Brochure and Course content or syllabus along with Course completion certificate for the Value-Added Course for the Academic Year 2017-2018 to 2021-2022

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SURESH T SILAWAT

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2021-2022

1.
Organic Farming

1.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore

ORGANIC FARMING
Value Added Course
(Deptt of Botany)

Value Added Course on Organic Farming" conducted by The Department of Botany from 12/4/22 to 29/4/22.

Don't miss this opportunity to learn about organic farming techniques and practices. Register today for the "Value Added Course on Organic Farming" conducted by the Department of Botany.

"WE ARE READY TO RE-GREEN FOR THE FUTURE OF OUR EARTH"

Key Benefits of the Course :

- Learn about organic farming techniques and practices.
- Gain practical knowledge on how to grow crops organically.
- Understand the importance of organic farming for the environment and health.
- Explore the economic benefits of organic farming.
- Receive a certification from a reputable institution upon successful completion of the course.

Objectives of the Course

The objective of this course is to provide participants with knowledge and skills in organic farming. The course will cover topics such as organic farming techniques, soil management, pest management, and crop rotation. Participants will also gain practical experience through hands-on training sessions.

Career Opportunities:

Upon completion of this course, participants will be equipped to pursue a variety of careers in organic farming, including:

- Organic farmer
- Farm manager
- Soil scientist
- Agricultural consultant

1.2 Permission: -

वनस्पतिशास्त्र विभाग, शा0 होलकर विज्ञान महाविद्यालय, इन्दौर,(म0प्र0)

कमांक 355B/ वनस्पतिशास्त्र / 2022 दिनांक: 06 / 04 / 2022

प्रति,

प्राचार्य महोदय,
शास0 होलकर विज्ञान महा0,
इन्दौर,(म0प्र0)

विषय :– **60 Hours Value added Course** करानें की अनुमति विषयक।

महोदय,

उपरोक्त विषयान्तगर्त अनुरोध है, कि महाविद्यालय के वनस्पतिशास्त्र विभाग द्वारा विद्यार्थियों हेतु **60 Hours** का **Value added Course "Organic Farming"** दिनांक 12 / 04 / 2022 से 29 / 04 / 2022 तक विभाग में आयोजित किया जाना प्रस्तावित हैं।

डॉ. सबीहा इकबाल
विभागाध्यक्ष
वनस्पतिशास्त्र विभाग

1.3 Notice: -

Govt. Holkar (Model Autonomous) Science College, Indore

Department of Botany

Value Added Course

60 Hours Training Program

On

"Organic Farming"

Value added courses are the types of courses which help a particular individual to develop their skills in their chosen field of the study. The Value-Added Courses aim to provide additional learner centric graded skill oriented technical training, with the primary objective of improving the employability skills of students. It is important for all institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. Organic farming and Vermi-composting may be defined as the sum of the activities performed for Eco- friendly farming and to minimize the uses of pesticide and chemical.

Eligibility: As per course requirement: 10+2/Graduation

Prerequisites: As per course requirement: Basic knowledge of farming and medicinal plants.

Course Fee: 500/-

Course Duration information: 60 hrs

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1.4 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore

Department of Botany

Value Added Course

On

Organic Farming

Syllabus

Course Outcome: Standardized Organic Farming and Vermi-composting, Generation of knowledge towards cultivation practices will reduce the dependence on pesticides and chemicals, thereby conserving the soil ferlility. Knowledge regarding medicinal property and uses of eco-friendly tech. that conserve soil fertility and human health in our daily life. Student of Botany can start own business and become entrepreneur.

Module 1 (12 hours): Introduction and Importance of Organic Farming: -

- Overview of Organic Farming
- Importance of Organic Farming
- Benefits of Organic Farming over Conventional Farming
- Comparison of Organic and Conventional Farming
- Principles of Organic Farming
- Standards and Certification in Organic Farming
- Market Potential and Demand for Organic Products

Module 2 (12 hours): Various Methods of Organic Farming in India: -

- Organic Farming Methods - Crop Rotation, Green Manure, Companion Planting, Mulching, Intercropping, Biological Pest Control, etc.
- Advantages and Disadvantages of Different Organic Farming Methods
- Application of Organic Farming Methods in India
- Organic Farming Case Studies

Module 3 (12 hours): Introduction and Importance of Vermi-composting: -

- Overview of Vermi-composting
- Importance of Vermi-composting
- Advantages of Vermi-composting over Conventional Composting
- Comparison of Vermi-composting and Conventional Composting
- Vermi-composting Process
- Types of Worms Used in Vermi-composting

Module 4 (12 hours): Economics of Vermi-composting and Organic Farming: -

- Cost-Benefit Analysis of Organic Farming
- Market Potential for Organic Products

- Pricing and Marketing Strategies for Organic Products
- Profitability Analysis of Vermi-composting
- Sources of Funding for Organic Farming and Vermi-composting

Module 5 (12 hours): Hands-on Training and Practical Implementation: -

- Setting up an Organic Farm
- Planning and Execution of Vermi-composting
- Soil Management Techniques
- Crop Management Techniques
- Harvesting and Post-Harvest Techniques
- Quality Control Measures
- Hands-on Training in Organic Farming Techniques and Vermi-composting

K. Shivani

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

1.5 Students List: -

Govt. Holkar (Model, Autonomous) Science College, Indore (M.P.)

Value added Course

(Duration- 12 - 29 Apr. 2022)

Student List

"Organic Farming"

S.No.	Name Of Student	Mark Obtained (M.M. -50)
1	Nandani Shirwat	35
2	Rahul Meghwal	36
3	Sonam Raghav	35
4	Yogesh Kumar Kori	37
5	Yognandini Chouhan	38
6	Manisha Khede	40
7	Shivani Parihar	36
8	Devrishi Salvi	37
9	Shalini Panwar	38
10	Guljar Shah	35
11	Aadil Khan	36
12	Krishna Kant Baiswar	35
13	Mahima Karole	38
14	Shoaib Pathan	40
15	Anshika Mourya	41
16	Gayatri Sahu	39
17	Prafull Soni	35
18	Anita Bhabar	37
19	Sonu Maida	38
20	Dinesh Solanki	40
21	Kiran Patidar	36
22	Neha Parmar	38
23	Saloni Chokle	39
24	Nandani Shirwat	35

प्राचार्य
शा. होलकर विज्ञान महा. इन्दौर

1.6 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Botany has successfully completed the value-added certificate course titled "**Organic Farming"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Convener
Department of Botany
शा. होलकर विज्ञान महा. इन्दौर

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

2.
Mushroom Cultivation

2.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore

Department of Botany

Topic

Mushroom Cultivation & Its Marketing

Value Added Course on "Mushroom Cultivation & Its Marketing"

Conducted by Department of Botany from 09/04/2022 to 29/04/2022

Brief Syllabus:

The course will cover the following topics:

- Introduction to mushroom cultivation and its benefits
- Mushroom varieties and their nutritional and medicinal properties
- Mushroom spawn production
- Substrate preparation for mushroom cultivation
- Methods of cultivation of edible and medicinal mushrooms
- Harvesting, processing, and packaging of mushrooms
- Marketing and promotion of mushroom products
- Value addition to mushroom products

Key Benefits:

- Participants will gain practical knowledge about mushroom cultivation techniques and marketing strategies.
- They will learn about the nutritional and medicinal benefits of mushrooms and their role in sustainable agriculture.
- They will get hands-on experience in mushroom cultivation.
- Participants will develop skills in packaging, labelling, and marketing of mushrooms.
- They will receive a certificate of participation from the Govt Holkar (Model Autonomous) Science College, Indore.

Career Opportunities:

- Mushroom Cultivation Entrepreneur
- Mushroom Marketing Manager
- Mushroom Farm Manager
- Mushroom Product Development Manager
- Researcher in Mushroom Cultivation

Objective:

The course is designed to provide participants with a comprehensive understanding of mushroom cultivation and marketing. The objective of this course is to equip participants with practical skills and knowledge to start their own mushroom cultivation business and develop marketing strategies for it.

2.2 Permission: -

वनस्पतिशास्त्र विभाग, शा0 होलकर विज्ञान महाविद्यालय, इन्दौर,(म0प्र0)

कमांक 355/ वनस्पतिशास्त्र / 2022 दिनांक: 06 / 04 / 2022

प्रति,

प्राचार्य महोदय,
शास0 होलकर विज्ञान महा0,
इन्दौर,(म0प्र0)

विषय :– **60 Hours Value added Course** करानें की अनुमति विषयक।

महोदय,

उपरोक्त विषयान्तगर्त अनुरोध है, कि महाविद्यालय के वनस्पतिशास्त्र विभाग द्वारा विद्यार्थियों हेतु **60 Hours** का **Value added Course "Mushroom Cultivation and its Marketing"** दिनांक 09 / 04 / 2022 से 29 / 04 / 2022 तक विभाग में आयोजित किया जाना प्रस्तावित हैं।

डॉ. रजीदा इकबाल
विभागाध्यक्ष
वनस्पतिशास्त्र विभाग

2.3 Notice: -

Govt. Holkar (Model Autonomous) Science College, Indore

Department of Botany

Value Added Course

60 Hours Training Program

On

"Mushroom Cultivation and its Marketing"

Value added courses are the types of courses which help a particular individual to develop their skills in their chosen field of the study. The Value-Added Courses aim to provide additional learner centric graded skill oriented technical training, with the primary objective of improving the employability skills of students. It is important for all institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. Mushroom Cultivation and its Business may be defined as the sum of the activities performed for the successful production of Edible Mushrooms and marketing of Mushrooms in various hospitality industry and medicinal uses, etc.

Eligibility: As per course requirement: 10+2/Graduation

Prerequisites: As per course requirement: Basic knowledge of farming and medicinal plants.

Course Fee: 500/-

Course Duration information: 60 hrs

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2.4 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore

Department of Botany

Value Added Course on Mushroom Cultivation and its Marketing

Syllabus

Course Outcome: Standardized Mushroom cultivation practices and its business, will reduce the dependence on collection of raw material from wild to meet the market demand, thereby conserving the biodiversity. Knowledge regarding medicinal property and uses of medicinal mushrooms in our daily life. Student of Botany can start own business and become entrepreneur.

Module 1 (12 hours): Introduction and Importance of Mushroom Cultivation:

- Introduction to Mushroom Cultivation
- History and Evolution of Mushroom Cultivation
- Nutritional and Medicinal Value of Mushrooms
- Importance of Mushroom Cultivation
- Global and Indian Market for Mushrooms
- Challenges and Opportunities in Mushroom Cultivation

Module 2 (12 hours): Varieties of Cultivated Mushroom in India:

- Introduction to Different Mushroom Varieties
- Oyster Mushrooms
- Button Mushrooms
- Shiitake Mushrooms
- Reishi Mushrooms
- Other Popular Mushroom Varieties in India
- Characteristics and Requirements of Different Mushroom Varieties

Module 3 (12 hours): Methods of Mushroom Cultivation:

- Basic Concepts of Mushroom Cultivation
- Spawn Production
- Substrate Preparation
- Sterilization Techniques
- Inoculation Techniques
- Casing and Spawning
- Environmental Management
- Harvesting and Post-Harvest Management

Module 4 (12 hours): Business and Economics of Mushroom Cultivation:

- Market Analysis and Demand Estimation
- Cost-Benefit Analysis of Mushroom Cultivation
- Pricing Strategies and Marketing Techniques
- Business Plan Development
- Government Schemes and Subsidies for Mushroom Cultivation

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- Risk Assessment and Management
- Integration of Mushroom Cultivation with Other Farming Systems

Module 5 (12 hours): Hands-on Training and Practical Demonstration:

- Site Selection and Preparation
- Spawn Production
- Substrate Preparation
- Sterilization Techniques
- Inoculation Techniques
- Environmental Management
- Casing and Spawning
- Harvesting and Post-Harvest Management
- Quality Control and Assurance
- Value-Added Product Development
- Demonstration of Mushroom Cultivation Techniques

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

2.5 Students List: -

Govt. Holkar (Model, Autonomous) Science College, Indore (M.P.)

Value added Course

(Duration- 09 – 29 Apr. 2022)

"Mushroom Cultivation and its Marketing"

S.No.	Name Of Student	Mark Obtained (M.M. -50)
1	Pallavi Patel	38
2	Ritika Pandya	37
3	Jitendra Verma	36
4	Shikha Upadhyay	34
5	Shivangi Gautam	39
6	Aditya Shukla	40
7	Roshni Chuouhan	37
8	Kunjlata Meena	38
9	Kalita Dudve	35
10	Tanisha Majhi	34
11	Urmila Mandloi	37
12	Swati More	35
13	Pooja Sengar	34
14	Bhupendra Sohani	40
15	Aditi Yadav	36
16	Yashi Shrivastava	38
17	Lakshmi Mehta	37
18	Nancy Pawar	38
19	Saloni Chokle	37
20	Murli Manohar Shukla	37
21	Rupesh Kumar Patel	35
22	Neha Parmar	36
23	Priya Mukati	40
24	Roshmi Chouhan	33

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वनस्पति शास्त्र विभाग
शा. होलकर विज्ञान महा. इन्दौर

2.6 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Botany has successfully completed the value-added certificate course titled **"Mushroom Cultivation and its Marketing"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Botany
वनस्पति शास्त्र विभाग
शा. होलकर विज्ञान महा. इन्दौर

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

3.

Application of Tools & Techniques in Biology

3.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE (M.P.)
(Affiliated to Devi Ahilya Vishwavidhalaya, Indore)

30 HRS. VALUE ADDED COURSE
ON

APPLICATION OF TOOLS AND TECHNIQUE IN BIOLOGY

ORGANIZED BY ZOOLOGY & FISHERIES DEPARTMENT

Head of the Department
Dr. Rekha Sharma

Patron
Dr. Suresh T. Silawat
Additional Director,
Higher education Indore division & Principal
Gov. Holkar Science College, Indore.

Date :- 04 May to 14 May 2022
Platform :- Google meet App
Time :- 11:00 to 2:00 PM

- ❑ Attendance will be taken daily.
- ❑ Quiz will be given daily which is compulsory.
- ❑ Feedback will be taken after the completion of course.

Head : - Dr. Rekha Sharma
Convenor:- Dr. Preeti Khullar
Co-Convenor:- Dr. Ravindra Pal Ahirwal
Organising Team:- Mrs. Shanti Patidar and Dr. Priya Gaur

3.2 Syllabus: -

Govt. Holkar Science College Indore (M.P.)

SYLLABUS

Department of Zoology & Fisheries

30 Hrs Value Added Course on

"Application of Tools and Techniques in Biology"

Date	Modules	Name of Instrument
04-05-2022	Module : 1	Microtome Autoclave
05-05-2022		Centrifuge and their types
06-05-2022		Laminar Air Flow
07-05-2022	Module: 2	Colorimeter and Spectrophotometer
09-05-2022		Electrophoresis
10-05-2022		Fluorescent Microscope and Phase contrast Microscope Haemocytometer
11-05-2022	Module: 3	Microscope Electron Microscope
12-05-2022		Microtome
13-05-2022	Module: 4	PCR pH meter
14-05-2022		Modern Fish Farming Technology Fishing Methods Valedictory – Dr. N. Dagaonkar

Approved

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

3.3 resource Persons: -

Govt. Holkar Science College Indore (M.P.)
Department of Zoology& Fisheries
30 Hrs Value Added Course on
"Application of Tools and Techniques in Biology"

C V of speakers of 30 hours Value Added Course on "Application of Tools and Techniques in Biology" from 4 May to 14 May 2022

Name	Dr. Anis Siddhiqui
Qualification	Ph.D. Zoology
Delivered Topic	Microtome
Current Position	Retd. Professor, Govt. Girls P.G. College Indore (M.P.)
Designation	Retd. Professor
Teaching Experience	43
Research guide status	Yes
Published Research Paper	32
Expertise	Fish and Fisheries

Name	**Dr. Priya Gaur**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Autoclave
Designation	Guest Faculty
Teaching Experience	3
Research guide status	No
Published Research Paper	13
Expertise	Ecology, Ornithology and Development Biology

Name	**Dr. Alka Dubey**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Centrifuge and their types
Designation	Guest Faculty
Teaching Experience	20
Research guide status	No
Published Research Paper	5
Expertise	Limnology and cell biology

Name	**Dr. Ruchi Shivle**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Laminar Air Flow
Designation	Guest Faculty
Teaching Experience	16
Research guide status	No
Published Research Paper	3
Expertise	Fisheries

Name	**Mrs. Shanti Patidar**
Qualification	M.Phil. Biochemistry
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Colorimeter and Spectrophotometer
Designation	Guest Faculty
Teaching Experience	9
Research guide status	No
Published Research Paper	3
Expertise	Biochemistry, Physiology and Cell biology

Name	**Dr. Anjali Kumar**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Laboratory safety
Designation	Professor
Teaching Experience	35
Research guide status	No
Published Research Paper	0
Expertise	Taxonomy

Name	**Dr. Pramila S**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Electrophoresis
Designation	Guest Faculty
Teaching Experience	20
Research guide status	No
Published Research Paper	3
Expertise	Fisheries

Name	**Dr. Ram Prajapati**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Fluorescent Microscope and Phase contrast Microscope
Designation	Associate Professor
Teaching Experience	28
Research guide status	Yes
Published Research Paper	35
Expertise	Physiology

Name	**Dr. Ravindra Pal Ahirwal**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Haemocytometer
Designation	Assistant Professor
Teaching Experience	13
Research guide status	Yes
Published Research Paper	5
Expertise	Environmental Biology

Name	**Dr. Amita Dagaonkar**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Microscope
Designation	Professor
Teaching Experience	37
Research guide status	No
Published Research Paper	10
Expertise	Limnology

Name	**Dr. Vipul Keerti Sharma**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Electron Microscope
Designation	Professor
Teaching Experience	25
Research guide status	Yes
Published Research Paper	60
Expertise	Environmental Biology

Name	**Dr. Preeti Khullar**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Microtome
Designation	Professor
Teaching Experience	36
Research guide status	No
Published Research Paper	0
Expertise	Fish and Fisheries

Name	**Dr. Renu Jain**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indo (M.P.)
Delivered Topic	Waterbath
Designation	Assistant Professor
Teaching Experience	36
Research guide status	Yes
Published Research Paper	5
Expertise	Fish and Fisheries

Name	**Dr. Kiran Billore**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	PCR
Designation	Pofessor and Head Biotechnology
Teaching Experience	39
Research guide status	Yes
Published Research Paper	10
Expertise	Fish and Fisheries

Name	**Dr. Rekha Sharma**
Qualification	Ph.D. Zoology
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	pH meter
Designation	Chairman and Prof. Head of Zoology
Teaching Experience	38
Research guide status	Yes
Published Research Paper	33
Expertise	Limnology, Fish and Fisheries and

Name	**Mr. Rohit Mishra**
Qualification	M.Phil. Aquaculture
Delivered Topic	Modern Fish Farming Technology
Current Position	Entrepreneur (Co-Founder : Oceana Aquaculture Bhopal (M.P.)
Designation	Owner of Oceana Aquaculture
Teaching Experience	0
Research guide status	No
Published Research Paper	Nil
Expertise	Aquaculture

Name	**Mr. Rohit Verma**
Qualification	M.FSc. Fisheries
Current Position	Department of Zoology, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Fishing Methods
Designation	Guest Faculty
Teaching Experience	8
Research guide status	No
Published Research Paper	5
Expertise	Fisheries

Name	**Dr. N. Dagaonkar**
Qualification	Ph.D. Physics
Current Position	Department of Physics, Govt. Holkar Science College Indore (M.P.)
Delivered Topic	Microscopes
Designation	Professor
Teaching Experience	40
Research guide status	Yes
Published Research Paper	19+3
Expertise	X Ray Spectroscopy and Statistical Methods

3.4 Students List: -

Attendance Sheet of 30 Hrs Value Added Course 2022

S.No.	Name	04-05-2022	05-05-2022	06-05-2022	07-05-2022	09-05-2022	10-05-2022	11-05-2022	12-05-2022	13-05-2022	14-05-2022
1	Aafeeyat Khan	P	P	P	P	P	P	P	P	P	P
2	Aarti	P	P	P	P	P	P	P	P	P	
3	Aaysha	P	P	P	P	P	P	P	P	P	P
4	Aflab Ahamad Pathan	P	P	P	P	P	P	P	P	P	
5	Ajay Tomar	P	P	P	P	P	P	P	P	P	P
6	Alefiya kiranawala	P	P	P	P	P	P	P	P	P	P
7	AMARIKA BHALCHANDRA			P	P	P	P	P	P	P	P
8	Anjali Bhaskar	P	P	P	P	P	P	P	P	P	P
9	Anjali Damade	P	P	P	P	P	P	P	P	P	P
10	Anju Lata Malviya		P	P	P	P	P	P	P	P	P
11	Ankita Bais				P	P	P	P	P	P	P
12	Ankita singh	P	P	P	P	P	P	P	P	P	P
13	Antra Bhilatiya	P	P	P	P	P	P	P	P	P	P
14	Arpita Mishra		P	P	P	P	P	P	P	P	P
15	Baram tagore		P	P	P		P	P		P	
16	Bhagwan singh	P	P	P	P	P	P	P	P	P	P
17	Bharti Malakar		P	P	P	P	P	P	P	P	P
18	Burra sriraj		P	P	P	P	P	P	P	P	P
19	Chandan kamalpuriya	P	P	P	P	P	P	P	P	P	P
20	Chetan Thakkar			P			P	P	P	P	P
21	Deepika maru	P	P	P	P	P	P	P	P	P	P
22	Deepika Rathod	P	P	P	P	P	P	P	P	P	P
23	Garima Chourasiya	P	P	P		P		P	P	P	P
24	Gaurvi chourasia	P	P	P		P		P	P		
25	Hariom yadav	P	P	P		P		P	P		
26	Harshad lodwal	P	P	P		P		P	P		
27	Harshita Singh	P	P	P		P	P	P	P	P	
28	Himanshu Makwana	P	P	P	P	P	P	P	P	P	P
29	Ishika kusumakar		P		P	P	P		P	P	
30	Janhvi jaiswal	P	P	P	P	P	P	P	P	P	P
31	Javed patel			P		P	P	P		P	P
32	Jyoti Yadav	P	P	P	P	P	P	P	P	P	P
33	KAACHIA PATELHET		P	P	P	P	P			P	
34	Kailash	P	P	P	P	P	P	P	P	P	P
35	Kajal Baretha	P	P	P	P	P	P	P	P	P	P
36	Kajal jaiswal		P	P	P	P	P			P	
37	Kalpana kewat		P		P	P	P		P	P	
38	Karthik.s					P	P	P	P	P	P
39	Khyati Dubey	P	P	P	P	P	P	P	P	P	P
40	Lakavath Akhilmai	P			P	P		P		P	P
41	Mahima Goyal	P			P	P		P	P		P
42	Mahima patel	P			P	P	P	P	P		
43	Manju	P			P	P		P	P	P	
44	Minakshee Thakre	P			P	P	P	P	P		
45	Ms. AJAYA T DAS	P	P	P	P		P	P			
46	Muskan Kunhare	P	P	P	P			P	P		
47	Muskan sadh	P	P	P	P		P	P			
48	Nagma BEE	P	P		P	P	P	P	P	P	P
49	Namrata wankhede	P	P		P		P	P	P		
50	Nandini karla	P	P		P		P	P	P		
51	Nandini sharma	P	P				P	P	P	P	
52	Neha David	P	P	P	P	P	P	P	P	P	P
53	Nikky Jaj	P	P	P	P	P	P	P	P	P	P
54	Nishi Jain	P	P	P	P	P	P	P	P	P	P
55	Payal Bhabar	P	P	P	P	P	P	P	P	P	P
56	Pooja	P		P			P	P		P	P
57	pradeep kulhare	P	P	P			P	P		P	P
58	Pragya Upadhyay	P		P			P	P		P	P
59	Prashansa Dwivedi	P		P		P	P	P		P	P

60	Priyanshi Vishwakarma	P	P	P	P			P		P	P
61	R Anand			P	P	P		P	P	P	P
62	Ragani Ramje		P	P	P			P	P	P	P
63	Ravina Sable	P		P	P		P	P	P	P	P
64	Reena Sirondiya		P	P	P	P		P		P	P
65	Ritika Koshti	P		P	P			P	P	P	P
66	Roshni kaushal			P	P		P	P	P	P	
67	Rubab Pipewala	P	P	P	P	P	P	P	P	P	P
68	Ruchita khandelwal	P	P	P	P	P	P	P	P	P	P
69	Sakshi Gupta	P		P	P		P	P	P		
70	Salluri sathvik	P		P		P	P	P	P		
71	Sandeep Shakya	P		P	P		P	P	P		
72	Savita Rani Malviya	P		P	P	P	P	P			
73	Shakti golkar	P		P	P	P	P			P	
74	Shalini Shrivastava	P	P	P	P	P	P	P	P	P	P
75	Shiva nagesh kadaverugu	P		P		P	P	P	P		
76	Shivanand Katare	P		P		P	P	P	P	P	
77	SHIVANI KANNOUJI	P		P		P		P	P		
78	Shivani soni	P		P		P	P		P	P	
79	Shivani Tiwari	P	P	P	P	P	P	P	P	P	P
80	Shubhi Tiwari	P	P	P	P	P	P			P	
81	Shweta Badole	P	P	P	P	P	P	P	P	P	P
82	Smita Lugun	P	P		P		P		P		P
83	Sonam shukla	P	P		P		P		P		P
84	Srishti dwivedi	P			P	P	P	P			
85	srishti satyam	P		P		P		P		P	P
86	Sudhir Kumar TIWARI	P	P		P		P		P		P
87	Sunkara Adarsh	P		P	P	P	P	P	P	P	
88	Swati Pandey	P	P		P		P		P		P
89	Tanisha Singh	P	P		P		P		P		P
90	Tanu Sirvaiyia	P		P		P		P		P	P
91	Toshika Chauhan	P	P		P		P		P		P
92	Umesh Chouhan	P		P		P		P		P	P
93	Uzma Qureshi	P	P	P	P	P					P
94	Vaibhav jaiswal	P			P	P	P	P		P	P
95	YOGITA SONGARA	P	P	P	P	P	P	P	P	P	P

*Course was held on Online Portal and the attendance was verified from the portal.

Head
Depatment of Zoology

3.5 Course Completion Certificate: -

(1)

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Zoology has successfully completed the value-added certificate course titled **"Application of Tools & Techniques in biology"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Zoology

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

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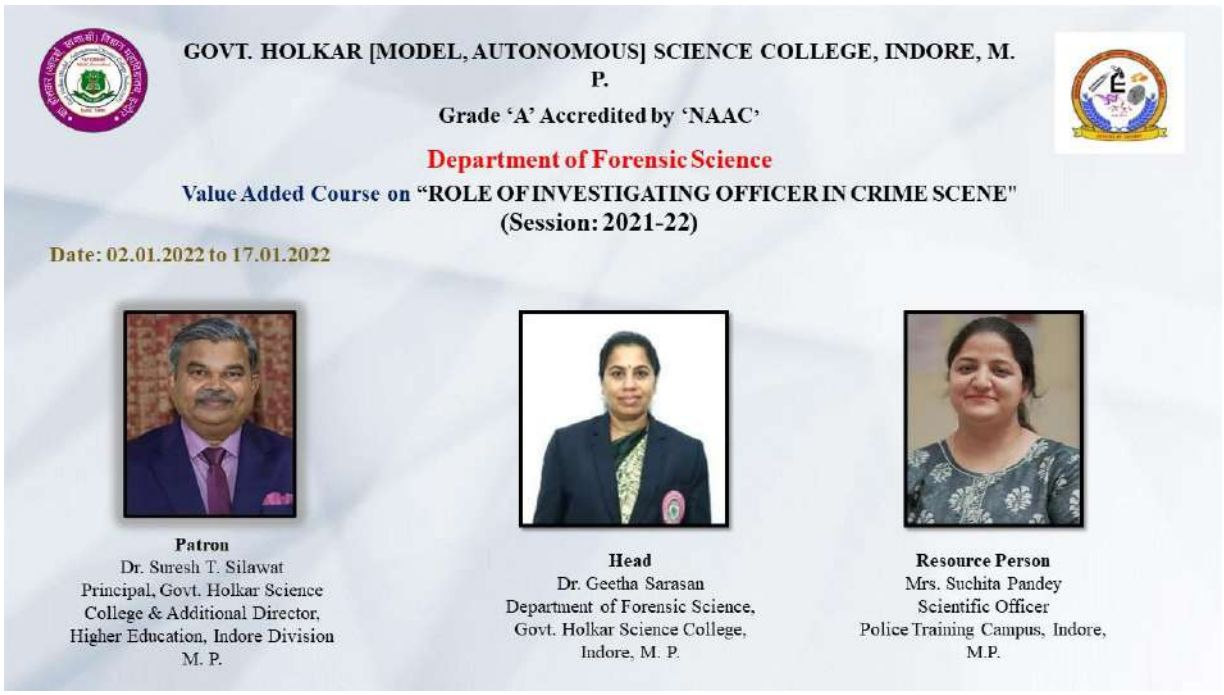
4.

Role of Investigating Officer in Crime Scene

4.1 Brochure: -


GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE, M. P.
Grade 'A' Accredited by 'NAAC'
Department of Forensic Science
Value Added Course on "ROLE OF INVESTIGATING OFFICER IN CRIME SCENE"
(Session: 2021-22)
Date: 02.01.2022 to 17.01.2022
Patron
Dr. Suresh T. Silawat
Principal, Govt. Holkar Science College & Additional Director, Higher Education, Indore Division M. P.
Head
Dr. Geetha Sarasan
Department of Forensic Science, Govt. Holkar Science College, Indore, M. P.
Resource Person
Mrs. Suchita Pandey
Scientific Officer
Police Training Campus, Indore, M.P.

Organizing Secretaries
Prof. Harshita Sonkar
Department of Forensic Science, Govt. Holkar Science College, Indore M. P.
Prof. Ruchi Sonowane
Department of Forensic Science, Govt. Holkar Science College, Indore M. P.
Members of Organizing Committee
Prof. Ritu Bharti
Department of Forensic Science, Govt. Holkar Science College, Indore, (M. P.)
Prof. Satish Rai
Department of Forensic Science, Govt. Holkar Science College, Indore, (M. P.)
Technical Assistant: Mr. Magan Bhawar
Link For Registration: https://forms.gle/RSiZ3FWxYJJpY6Ez9

4.2 Permission: -

शा. होलकर (आदर्श,स्वशासी) विज्ञान महाविघालय, इन्दौर (म.प्र.)

फॉरेंसिक विज्ञान विभाग

प्रति,

प्राचार्य महोदय,

शा. होलकर विज्ञान महाविघालय,

इन्दौर (म.प्र.)।

विषयः– Value added course करवाने की स्वीकुति विषयक।

महोदय,

विनम्र निवेदन है कि फॉरेंसिक विज्ञान विभाग द्वारा विषय सम्बन्धि 15 दिवसीय Value added course "ROLE OF INVESTIGATION OFFICER IN CRIME SCENE" दिनांक 2.01.2022 से 17.01.2022 तक प्रस्तावित है। कृप्या स्वीकृति प्रदान करने की कृपा करे।

नेक के लिए भी इसका उल्लेख किया जाना है।

धन्यवाद।

विभागाध्यक्ष

Forensic Science Department
Govt. Holkar Science College
Indore (M.P.)

4.3 Syllabus: -

Govt. Holkar (Model, Autonomous) Science College Indore, (M.P)
Department of Forensic Science
Session-2021-22
Value Added Course on Role of Investigating Officer in Crime Scene

Syllabus

1.	Course Code – VACFS-2
2.	Value Added Course Title - Role of Investigating Officer at Crime Scene
3.	Course Outcomes – after study of this course students will come to - 1. Know about basic organizational structure of forensic laboratory 2. Illustrate basic classification of physical evidence 3. Recognize importance of Crime Scene Management 4. Describe various steps of crime scene management. 5. Interpret importance of chain of custody at scene of crime.
Unit	**Topics**
I	**Forensic Science:** Definition, History of forensic science, Organizational setup of Forensic Science laboratories, GEQDs, Fingerprint bureaus, DFS, Mobile Forensic laboratories. qualifications, Duties of Forensic Scientist at Forensic Science laboratory & SOC **Keywords:** Forensic Science, CFSL, FSL Organization, Fingerprint Bureaus.
II	**Physical Evidence:** Definition, Classification of Physical evidence, Different Search methods for physical evidences, Collection, Preservation, Packaging, Labeling, Sealing and Forwarding of Physical evidences, Chain of custody. **Keywords:** Search and seizure, Physical evidences, Chain of custody.
III	**Searching, Collection, Packing, Labeling and Forwarding of Biological Evidences from Scene of Crime:** Blood, Semen, Saliva, Bite marks, Vomit, Tears, Nails, Hair & Fiber, Botanical materials etc. **Keywords:** Biological evidences, Blood, Semen, Saliva, Hair and Fiber
IV	**Searching, Collection, Packing, Labeling and Forwarding of Chemical and Toxicological Evidences from Scene of Crime:** Cement, Mortar & Concrete, Explosive, Arson evidence, Wood, Petroleum products, Drugs and poisons, Viscera for toxicological analysis etc. **Keywords:** Chemical evidences, Cement, Explosives, Drugs and Poison.
V	**Searching, Collection, Packing, Labeling and Forwarding of Evidences related to Physics and Other impression from Scene of Crime:** Soil, Glass, Tool marks, Skid marks and Tire marks on various surfaces, Digital evidences, Fingerprints, Footprints, Documents, Weapon, Firearms etc. **Keywords:** Physical evidences, Soil, Glass, Impressions, Tool marks.

Approved

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

4.4 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore

Department of Forensic Science

Value Added Course on Role of Investigating Officer in Crime Scene

From 02.01.2022 to 17.01.2022

Attendance List

S. No	Name	2	3	4	5	6	7	8	10	11	12	13	14	15	17	Total Presence (%)
1	Prerna Patel	P	P	P	A	P	A	P	P	P	P	A	P	P	P	78.57142857
2	Rudrakshi Rathod	P	A	P	P	P	P	P	P	P	P	P	P	P	P	92.85714286
3	Shubhangi Purohit	P	P	P	P	P	P	P	P	P	P	P	P	P	P	100
4	Priya Kumbhkar	P	P	A	A	P	P	P	P	P	P	P	P	P	P	85.71428571
5	Milind Mandloi	P	P	P	P	P	P	A	P	P	A	P	P	P	P	85.71428571
6	Aaysha	P	P	P	P	P	P	P	A	P	P	A	P	P	P	85.71428571
7	Ragani Ramje	P	P	P	P	P	A	P	P	P	P	P	A	P	P	85.71428571
8	Suraj Pagare	P	P	A	P	A	P	P	P	P	P	P	P	P	P	86.71428571
9	Suraj	P	P	P	A	P	P	A	P	P	P	P	P	P	P	78.57142857
10	Muskan Suryawanshi	P	P	A	P	P	P	P	P	A	P	P	P	P	P	85.71428571
11	Miss Muskan Suryawanshi	P	P	P	P	A	P	P	P	P	P	A	P	P	P	85.71428571
12	Payal Patidar	P	P	P	P	P	P	P	A	P	P	P	P	P	A	92.85714286
13	Chanchal Prajapat	P	A	P	P	P	P	P	P	P	P	P	P	P	A	85.71428571
14	Tanu Khatri	P	P	P	P	P	P	A	P	P	P	P	P	P	P	92.85714286
15	Khushi Agrawal	P	P	P	A	P	P	P	P	P	P	P	A	P	P	85.71428571
16	Chandan Vaskel	P	A	P	P	P	P	P	P	P	A	P	P	P	P	85.71428571
17	Sneha Vashinde	P	P	P	P	P	P	A	P	P	P	P	P	P	A	85.71428571
18	Priyanka Kunwar	P	P	P	A	P	P	P	P	P	P	P	A	P	P	85.71428571
19	Zeenat Shaikh	P	P	P	P	P	P	P	P	P	A	A	P	P	P	85.71428571
20	Arpita Sen	P	P	P	P	P	P	A	P	P	P	A	P	P	P	85.71428571

21	Ankit Mahajan	P	P	P	P	A	A	P	P	P	P	P	P	P	P	85.71428571
22	Sapna Kumari	P	P	P	P	A	P	P	P	P	P	P	P	P	A	85.71428571
23	Anamika Pandey	P	P	P	P	A	P	P	P	P	A	P	P	P	P	85.71428571
24	Khushi Nema	P	P	A	A	P	P	P	P	P	P	P	P	P	P	85.71428571
25	Narayan Chouhan	P	P	P	P	P	P	A	P	P	P	P	A	P	P	85.71428571
26	Radhika Taneja	P	P	P	P	P	P	P	P	P	P	A	P	P	P	92.85714286
27	Aman Payasi	P	P	P	P	A	P	P	P	P	P	P	P	P	P	92.85714286
28	Pallavi Rahangdale	P	P	P	A	P	P	P	P	P	P	P	P	P	P	92.85714286
29	Trapti Prajapat	P	P	P	P	P	P	P	P	P	A	P	P	P	P	92.85714286
30	Pragya Kumari	P	P	P	P	P	P	A	P	P	P	P	P	P	A	85.71428571
31	Denisha Khadiya	P	P	P	P	P	P	P	P	P	A	P	P	P	P	92.85714286
32	Ishika Sugandhi	P	P	A	P	P	P	P	P	P	P	P	P	P	P	92.85714286
33	Shivani Yadav	P	P	P	P	P	P	P	A	P	P	P	P	P	P	92.85714286
34	Kratika Bhargava	P	P	P	P	P	P	P	P	P	P	P	P	P	A	92.85714286
35	Simran Malviya	P	P	P	P	A	P	P	P	A	P	P	P	P	P	85.71428571
36	Aruna Kumerkar	P	P	P	A	P	P	P	P	P	P	A	A	P	P	78.57142857

HOD

Department of Forensic Science

Govt. Holkar Science College, Indore (M.P.)

Forensic Science Department

Govt. Holkar Science College

Indore (M.P.)

4.5 Course Completion Certificate: -

(12)

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Forensic Science has successfully completed the value-added certificate course titled "**ROLE OF INVESTIGATING OFFICER IN CRIME SCENE**" in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Forensic Science

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

Forensic Science Department
Govt. Holkar Science College
Indore (M.P.)

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5.
Application of Statistics in Biosciences

5.1 Brochure: -

Govt. Holkar (Model, Autonomous) Science College, Indore, M.P [INDIA]

Grade "A" Accredited by NAAC

DEPARTMENT OF BIOCHEMISTRY

Patron

Dr. Suresh T. Silawat
Additional Director, Higher Education, Indore Division & Principal Govt. Holkar Science College, Indore

Co-ordinator

Dr. Angurbala Bafna
Associate Professor and Head
Department of Biochemistry
Govt. Holkar Science College, Indore

Convenor:
Prof. Tasneem Rangwala
(9826525394)

Co-Convenor:
Prof. Sheetal Uikey
(7013447507)

Organising Secretary:
Prof. Deepak Choudhary
(9630700490)

Official Mail:
biochem780@gmail.com

Certificate course on
"Applications of Statistics in Biosciences"
(Only for students and research scholar)

Date: 04th – 14th October 2021

Platform: Google Meeting App

Last date for Appling: 30th September 2021 till 5.00 PM

Time : 2:00 PM – 5.00 PM

Registration fees : 200/-

Pay the Admission fee (Rs. 200/-) online (NEFT/UPI) in the account:

Account Name :: PRINCIPAL HOLKAR SCIENCE COLLEGE

Account Number :: 31777055014

Bank & Branch :: STATE BANK OF INDIA, HOLKAR SCIENCE COLLEGE, A. B. ROAD, INDORE-452017

IFSC :: SBIN0030467

Note : Kindly save the receipt of payment for the registration

e- certificate will be given to qualified participants.

Registration link: https://forms.gle/ocykxcRRKBXbZTCn7

This program empowers the participants to explore use of MS- Excel for calculating different statistical parameters and also build their capability to represent data in various ways. This will help in efficient research presentation. Knowledge of statistics will enable researchers to conduct research and also to present their results and conclusion in reader's friendly way.

- **Attendance will be taken daily and 80% attendance is mandatory.**
- **1:30 hrs theory + 1:30 hrs practice session in MS-Excel.**
- **Candidates should have their own laptop/PC for practice session.**
- **Quiz will be given daily and are compulsory.**
- **One final quiz on completion of course.**
- **Minimum 40% score is mandatory to get certificate.**

5.2 Permission: -

Govt. Holkar Science College Indore (M.P.)

Department of Biochemistry

Date - 07/09/2021

To,
Principal
Govt. Holkar Science College,
Indore (M.P.)
Subject: - Online Certificate course on "Applications of Statistics in Biosciences."

Respected Sir,

Regarding above subject, Biochemistry Department is proposing 10 Days Online Certificate course on "Applications of Statistics in Biosciences" from 6th – 18th October 2021. This certificate course will include all the four quadrants essential for creating MOOCs i.e. E-text, video lecture, suggested reading and quiz, so this course should be considered as MOOCs.

The Details of the course are mentioned below.

1.	Name of Online Certificate Course	-	"Applications of Statistics in Biosciences"
2.	Duration	-	10 Days (1 × 3 hrs i.e. 30 hrs)
3.	Course Content	-	As per syllabus approved by Board of Studies.
4.	Mode	-	On line mode Google meet online platform.
5.	Registration fee	-	200/- (No Loss no Profit)
6.	Remuneration of guest Resource person	-	As per Government norms.
7.	Subject Expert	-	Faculty of department and guest subject expert as resource person.
8.	Eligibility Criteria	-	Under graduate
9.	No. of Seats	-	50
10.	Eligibility to get e- certificate	-	On the basis of performance of participants through online MCQ test and Assignment.
11.	Grade	-	As per College exam pattern.
12.	Expenditure	-	Depend on the registration fee collected.

Kindly grant us permission to organize the above certificate course and oblige.

HOD
Department of Biochemistry

HEAD
Department of Biochemistry
Holkar Science College, Indore

प्राचार्य
शा. होलकर विज्ञान महाविद्यालय
इन्दौर

5.3 Syllabus: -

Department of Biochemistry

Online Certificate Course

"Application of Statistics in Biosciences"

Duration: 12 Days (30 hrs)

Each session- 02:30 hrs

This course will help in efficient research presentation. Knowledge of statistics will enable researchers to conduct research and also to present their results and conclusion in reader's friendly way. This program empowers the participants to explore use of MS- Excel for calculating different statistical parameters and also build their capability to represent data in various ways.

1: Introduction and importance of statistics in Biosciences.

2: Graphical representation of ungrouped data- Line, Bar, Pie, Pictogram

3: Graphical representation of grouped data- Frequency Curve, Cumulative frequency, Histogram

4: Measures of Central tendency (Special reference to mean)

5: Measures of Dispersion (Special reference to SD)

6: Standard error

7: Correlation (Simple Correlation)

8: Regression equation

9: Normal Distribution Curve and critical region

10: Test of significance

11: Hypothesis and type of error

Dr. A. Bafna
Prof. R.S. Maheshwari
Prof. R.S. Gupta
Dr. Purnima Dey Sarkar
Prof. A.R. Batham

Mr. Rohan Gupta
Prof. Tasneem Rangwala
Prof. Sheetal Uikey
Prof. Deepak Choudhary
Mrs. Rajshree Kabra

Department of Biochemistry

Online Certificate Course

"Application of Statistics in Biosciences"

12: t-test

13: ANOVA (Analysis of Variance)

Note:

- Candidate should have their own laptop/PC for practice session.
- 1:30 hrs theory + 1:00 hrs practice session in MS-Excel.
- Assignment and quiz will be given daily.
- One final quiz on completion of course.
- Minimum 40% score is mandatory to get certificate.
- Feedback from candidates will be taken daily.

Dr. A. Bafna	Mr. Rohan Gupta
Prof. R.S. Maheshwari	Prof. Tasneem Rangwala
Prof. R.S. Gupta	Prof. Sheetal Uikey
Dr. Purnima Dey Sarkar	Prof. Deepak Choudhary
Prof. A.R. Batham	Mrs. Rajshree Kabra

5.4 Students List: -

Department of Biochemistry
Online certificate course
Participant list

S.No.	Roll No.	Initials	Full Name	Fathers Name	Institution name	Grade
1	21OCASB1	Ms.	Aarti Kirade	Siyaram Kirade	Maharani Laxmi Bai PG girls, collage, Indore	A
2	21OCASB2	Ms.	Aarti Solanki	Omprakash Singh Solanki	Maharani Laxmi Bai PG girls, collage, Indore	A
3	21OCASB3	Mr.	Adarsh Shah Jaget	Ravi Shah Jaget	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
4	21OCASB4	Mr.	Amrit Kunawat	Radheshyam Kunawat	Govt. Holkar (Model, Autonomous) Science College, Indore	A
5	21OCASB5	Ms.	Anjali Chaturvedi	Mr. Rajesh Chaturvedi	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
6	21OCASB6	Ms.	Anjali Kewat	Kirtan Kewat	Govt. Holkar (Model, Autonomous) Science College, Indore	A
7	21OCASB7	Ms.	Anjali Temarnya	Shivprasad Temarnya	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
8	21OCASB8	Ms.	Ankita Tongya	Mr. Ashok Kumar Tongya	Govt. Holkar (Model, Autonomous) Science College, Indore	A
9	21OCASB9	Ms.	Ankita Vasuniya	Radhusingh Vasuniya	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
10	21OCASB10	Ms.	Antim Bhadoriya	Govind Singh Bhadouriya	Govt. Holkar (Model, Autonomous) Science College, Indore	A
11	21OCASB11	Ms.	Arti Tiwari	Mr. Ramesh Kumar Sharma	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
12	21OCASB12	Ms.	Babli	Brajendra Singh	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
13	21OCASB13	Mrs.	Bavita Kohli	Prof. H K Khosla	IPS Academy, Indore	A+
14	21OCASB14	Ms.	Bhavna Prajapati	Tejram Prajapati	Govt. Holkar (Model, Autonomous) Science College, Indore	A
15	21OCASB15	Mr.	Deepak Mishra	Shravan Kumar Mishra	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
16	21OCASB16	Ms.	Dikshika Shah	Yogesh Shah	Govt. Holkar (Model, Autonomous) Science College, Indore	A+

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Department of Biochemistry
Online certificate course
Participant list

17	21OCASB17	Mrs.	Durgesh Kevat	Rajmani Kevat	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
18	21OCASB18	Ms.	Ganga Ajmera	Mangilal Ajmera	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
19	21OCASB19	Ms.	Greeshma Sahu	RAMESHWAR SAHU	Maharani Laxmi Bai PG girls, collage, Indore	A+
20	21OCASB20	Mr.	Jayant Tripathi	Sudhanshu Tripathi	Govt. Holkar (Model, Autonomous) Science College, Indore	A
21	21OCASB21	Ms.	Jigyasa Choudhary	Brajmohan Choudhary	Govt. Holkar (Model, Autonomous) Science College, Indore	A
25	21OCASB25	Ms.	Kirti Songade	Shankar Rao Songade	Maharani Laxmi Bai PG girls, collage, Indore	A
22	21OCASB22	Ms.	Mahima Dubey	Banshidhar Dubey	Maharani Laxmi Bai PG girls, collage, Indore	A
23	21OCASB23	Prof.	Mangla Dave	B. K. Dave	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A+
24	21OCASB24	Ms.	Mansi Patidar	Sanjay Kumar Patidar	Govt. Holkar (Model, Autonomous) Science College, Indore	A
26	21OCASB26	Ms.	Mayuri Bisen	Late Dulichand Bisen	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
27	21OCASB27	Mrs.	Monika Billore	Tukaram Billore	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
28	21OCASB28	Ms.	Nandini Kashyap	Ramshajivan Kashyap	Govt. Holkar (Model, Autonomous) Science College, Indore	O
29	21OCASB29	Ms.	Niharika Singh	Narendra Kumar Singh	Govt. Holkar (Model, Autonomous) Science College, Indore	A
30	21OCASB30	Ms.	Nikky Jaj	Mr. Rajesh Jaj	Govt. Holkar (Model, Autonomous) Science College, Indore	A
31	21OCASB31	Ms.	Pooja Pandey	Dayanidhi Pandey	Maharani Laxmi Bai PG girls, collage, Indore	A+
32	21OCASB32	Ms.	Pooja Patidar	Liladhar Patidar	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A

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Department of Biochemistry
Online certificate course
Participant list

33	21OCASB33	Ms.	Pooja Sharma	Dilip sharma	Maharani Laxmi Bai PG girls, collage, Indore	A
34	21OCASB34	Ms.	Prachi Pathak	Neeraj Pathak	Govt. Holkar (Model, Autonomous) Science College, Indore	A
35	21OCASB35	Mr.	Prashant Uikey	Hiralal Uikey	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
36	21OCASB36	Ms.	Prasiddhi Tare	Sanjay Tare	Govt. Holkar (Model, Autonomous) Science College, Indore	A
37	21OCASB37	Mrs.	Preeti Shrivastava	Vinod Shrivastava	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
38	21OCASB38	Ms.	Priya Malviya	Mukesh Malviya	Govt. Holkar (Model, Autonomous) Science College, Indore	A
39	21OCASB39	Mrs.	Rajshree Kabra	Mahendra Kumar Jajoo	Govt. Holkar Science college, Indore (Research Scholar)	O
40	21OCASB40	Ms.	Priya Sisodiya	Gabru Sigh Sisodiya	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
41	21OCASB41	Ms.	Reena Soni	Madan Lal Soni	Govt. Holkar (Model, Autonomous) Science College, Indore	A
42	21OCASB42	Prof.	Renu Tiwari	Rakesh Dwivedi	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A+
43	21OCASB43	Prof.	Ritcha Warma Gandhi	Prof. S.C.Warma	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	O
44	21OCASB44	Mr.	Sagar Chouhan	Kadwa Chouhan	Govt. Holkar (Model, Autonomous) Science College, Indore	A
45	21OCASB45	Prof.	Ritu Bharti	Mishrilal Bharti	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
46	21OCASB46	Prof.	Rohit Verma	Babulal Verma	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
47	21OCASB47	Ms.	Sameera Mansuri	A G Mansuri	Liberal College of Education, Rau, Indore	O
48	21OCASB48	Mr.	Sanjeev Dwivedi	Umesh Kumar Dwivedi	Govt. Holkar (Model, Autonomous) Science College, Indore	A+

Department of Biochemistry
Online certificate course
Participant list

49	21OCASB49	Mr.	Sanjeev Kumar Kushwah	Sirnam Singh Kushwah	Govt. Holkar (Model, Autonomous) Science College, Indore	A
50	21OCASB50	Prof.	Satish Rai	Buddhi Lal Rai	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
51	21OCASB51	Ms.	Saumya Shrivastava	Sanjay Shrivastava	Govt. Holkar (Model, Autonomous) Science College, Indore	A
52	21OCASB52	Ms.	Shaista Khan	Shamsuddin Khan	Govt. Holkar (Model, Autonomous) Science College, Indore	A
53	21OCASB53	Ms.	Shikha Gupta	Mahesh Kumar Gupta	Govt. Holkar (Model, Autonomous) Science College, Indore	A
54	21OCASB54	Ms.	Shivani Gangrade	Harish Gangrade	Govt. Holkar (Model, Autonomous) Science College, Indore	A
55	21OCASB55	Ms.	Shivani Rawat	Alam Singh Rawat	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
56	21OCASB56	Ms.	Shivani Meena	Kailash meena	Govt. Holkar (Model, Autonomous) Science College, Indore	A
57	21OCASB57	Ms.	Shivani Soni	Manoj Kumar Soni	Govt. Holkar (Model, Autonomous) Science College, Indore	A
58	21OCASB58	Mr.	Shubham Kumar Patel	Rameshwarnath Patel	Govt. Holkar (Model, Autonomous) Science College, Indore	A
59	21OCASB59	Ms.	Shubhangi Choudhary	Jhamsingh Choudhary	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A+
60	21OCASB60	Mrs.	Shubhangi Chaubey	Vimal Pandit	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
61	21OCASB61	Ms.	Shweta Prajapat	Ganesh Prajapat	Maharani Laxmi Bai PG girls, collage, Indore	A
62	21OCASB62	Ms.	Simran Maratha	Mukesh Rao Shinde	Govt. Holkar (Model, Autonomous) Science College, Indore	O
63	21OCASB63	Ms.	Sona Dangi	Narendra Dangi	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
64	21OCASB64	Ms.	Sonam Vishwakarma	Lalaram Vishwakarma	Govt. Holkar (Model, Autonomous) Science College, Indore	A+

Department of Biochemistry
Online certificate course
Participant list

65	21OCASB65	Ms.	Sonu Muzalda	Vijay Singh Muzalda	Maharani Laxmi Bai PG girls, collage, Indore	A
66	21OCASB66	Ms.	Suhana Chouhan	Mr.Shivveer Chouhan	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
67	21OCASB67	Ms.	Surabhi Agrawal	Shashidhar Agrawal	Govt. Holkar (Model, Autonomous) Science College, Indore	A
68	21OCASB68	Ms.	Surbhi Roychoudhary	Sandeep Roychoudhary	Govt. Holkar (Model, Autonomous) Science College, Indore	A+
69	21OCASB69	Ms.	Swati Mali	Laxminarayan Mali	Govt. Holkar (Model, Autonomous) Science College, Indore	O
70	21OCASB70	Ms.	Tanishka Singh	Pankaj Singh	Govt. Holkar (Model, Autonomous) Science College, Indore	A
71	21OCASB71	Ms.	Trapti Gaghoriya	Tilak Chand Gaghoriya	Govt. Mata Jija Bai Girls PG College, Moti Tabela, Indore	A
72	21OCASB72	Ms.	Veena Malviya	Vishnu Malviya	Govt. Holkar science College indore	A
73	21OCASB73	Mr.	Vikas Chouhan	Sukhlal Chouhan	Govt. Holkar (Model, Autonomous) Science College, Indore	A
74	21OCASB74	Mrs.	Yamini Magarde	Rameshwar Magarde	Maharani Laxmi Bai PG girls, collage, Indore	A
75	21OCASB75	Ms.	Yenuka Dhurve	Mangru Singh Dhurve	Govt. Holkar (Model, Autonomous) Science College, Indore	A

Head
Department of Biochemistry
HEAD
Department of Biochemistry
Holkar Science College, Indore

5.5 Course Completion Certificate: -

(5)

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Biochemistry has successfully completed the value-added certificate course titled **"Application of statistics in Biosciences"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Biochemistry

HEAD
Department of Biochemistry
Holkar Science College, Indore

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

6.
Human Impact on Air Environment

6.1 Brochure: -

Course Highlights:

- Aerobiology
- Aeroallergens
- Air Quality and Impact
- Diseases transmitted through air

No Registration Fees

Eligibility: All UG & PG students

Course Learning Outcomes:

Students will comprehend the sources and effects of air pollution caused by human activities. They will analyze air quality measurements, evaluate health and environmental implications, and propose mitigation strategies. Graduates will be well-informed advocates for sustainable air quality management.

Convenor:
Dr. Sanjay Vyas
Professor & Head
Department of Microbiology

Patron:
Dr. Suresh T. Silawat
Principal

Value Added Course

10 Days Training Project

On

"Human Impact on Air Environment"

Organized By :

Department of Microbiology,

Govt. Holkar Science College, Indore

Dated: 01 December 2021 to 11 December 2021

Patron: Dr. Suresh T. Silawat,

Additional Director, Indore-Division &

Principal,

Govt. Holkar Science College, Indore

Convenor: Dr. Sanjay Vyas

Prof. & Head, Department of Microbiology

Venue

Department of Microbiology,

Govt. Holkar Science, College,

Registration: No Fee

Committee

Patron: Dr. Suresh T. Silawat, Additional Director,
Indore-Division & Principal,
Govt. Holkar Science College, Indore

Convenor: Dr. Sanjay Vyas, Prof. & Head,
Govt. Holkar Science College, Indore

Organizing Secretaries: Dr. Deepti Khare ,
Prof. Anuja Sharma

Committee Members: Dr. Radhika Waghmare
Prof. Nidhi Kibe
Mrs. Ranjeeta Prajapati
Mr. Dileep Jacob
Mrs. Neha Sharma

Speakers: Day 01 – Dr. Sanjay Vyas
Day 02 – Prof. Anuja Sharma
Day 03 – Dr. Deepti Khare

6.2 Permission: -

सूक्ष्मजैविकी विभाग, शा0 होलकर विज्ञान महाविद्यालय,
इन्दौर,(म0प्र0)

क्रमांक ...../ सूक्ष्मजैविकी / 2021 दिनांक: 29 / 11 / 2021

प्रति,

प्राचार्य महोदय,
शास0 होलकर विज्ञान महा0,
इन्दौर,(म0प्र0)

विषय :– 10 दिवसीय ट्रेनिंग प्रोजेक्ट करानें की अनुमति विषयक।

महोदय,

उपरोक्त विषयान्तगर्त अनुरोध है, कि महाविद्यालय के सूक्ष्मजैविकी विभाग द्वारा विद्यार्थियों हेतु दस दिवसीय **Training Project "Human Impact on Air Environment"** दिनांक 01 / 12 / 2021 से 11 / 12 / 2021 तक विभाग में आयोजित किया जाना प्रस्तावित हैं।

कृपया **NAAC Visit** को दृष्टिगत रखते हुयें उक्त ट्रेनिंग प्रोजेक्ट को करवाने की अनुमति प्रदान करने का कष्ट करें।

डॉ.संजय व्यास
विभागाध्यक्ष
सूक्ष्मजैविकी विभाग

30/11/21

6.3 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Microbiology
Session: 2021-22
Syllabus For Value Added Course
Title: Human Impact on Air Environment

Unit	Topics
1	Aerobiology: - Definition, branches of aero microbiology, history of aero- microbiology, composition of air, microorganism present in air. Air environments.
2	Aeroallergens, infection transfer, Droplet nuclei & aerosol.
3	Assessment of air quality-History, air quality, air pollutants, effects on biodiversity, air pollution control, methods of air quality of assessment.
4	Bacterial, fungal and viral diseases transmitted through air and their preventive measures.

Approved

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

6.4 Students List: -

GOVT. HOLKAR SCIENCE COLLEGE, INDORE

DEPARTMENT OF MICROBIOLOGY

VALUE ADDED COURSE FOR MICROBIOLOGY

STUDENTS ENROLLED IN THE 10 DAYS TRAINING PROJECT

S.NO.	NAME OF STUDENT	DATE	SIGN
1	Smriti Gohil	1/12/2021	Gohil
2	Akanksha Pateriya	01/12/2021	Akanksha
3	Shivani Achariya	01/12/2021	Shivani
4	Reshu Soni	01/12/2021	Reshu Soni
5	Ishika Sahu	01/12/2021	Sahu
6	Akansha Sahu	01/12/2021	Ak
7	shweta sharma	1/12/2021	shweta
8	Sweeti Sharma	01/12/2021	Sweeti
9	Kavita kushwah	01/12/2021	Kavita
10	Shivani mayade	01/12/2021	Shivani
11	Sakshi Parmar	01/12/2021	Sakshi
12	Astha Shukla	01/12/2021	Astha
13	Muskan Yadav	01/12/2021	Muskan
14	Neha Mangwani	01/12/2021	Neha
15	Nikita Walker	01/12/2021	Nikita
16	Vandana Sen	01/12/2021	V.Sen
17	Dipti Sawadiya	01/12/2021	Sawadiya
18	Sahiba Chizhar	01/12/2021	Sahiba
19	Shivani Patidar	01/12/2021	Shivani
20	Sakshi Dubey	01/12/2021	Dubey
21	Nidhi Kirme	01/12/2021	Nidhi
22	Alfiya Mansuri	01/12/2021	Alfiya
23	Aarti Goyal	01/12/2021	Goyal
24	Rahul Dodiya	01/12/2021	Rahul
25	Ragini Katle	01/12/2021	Ragini Katle
26	Pankaj Kumar	1/12/2021	Pankaj
27	Deepika Shah	1/12/2021	Deepika
28	Monika Gami	1/12/2021	Monika
29	Kirti Bhojwani	1/12/2021	Kirti
30	Shubham Kumawat	1/12/2021	Shubham

S.NO.	NAME OF STUDENT	DATE	SIGN
31	Neha Gautam	1/12/21	Gautam
32	Poornima Gupta	1/12/21	Poornima
33	Tanvi Yadav	1/12/21	Tanvi
34	Narendra Yadav	1/12/21	
35	Prashant singh	1/12/21	
36	Monika Soni	1/12/21	Monika
37	Sheetal Soni	1/12/21	Sheetal Soni
38	Arun Rawat	1/12/21	Rawat
39	Rohit Kumar pachlasiya	1/12/21	
40	JYOTI RAJPUT	1/12/21	Rajput
41	Ayushi Dixit	1/12/21	
42	Pallvee Kartikey	1/12/21	PK
43	Pallavi Nikumbhe	1/12/21	
44	Shivani Gupta	1/12/21	Gupta
45	Priyal Patidar	1/12/21	Priyal
46	Sonali Gurjar	1/12/21	Sonali
47	Anisha Khalotiya	1/12/21	
48	Devashi Kotwar	1/12/21	
49	Yukta Solanki	1/12/21	Yukta
50	Dikshah Kale	1/12/21	Dikshah

6.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Microbiology has successfully completed the value-added certificate course titled **"Human Impact on Air Environment"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

for Dr. Deepti Khare

Coordinator
Department of Microbiology
Professor & Head
Dept.of Microbiology
Govt. Holkar College, Indore (M.P.)

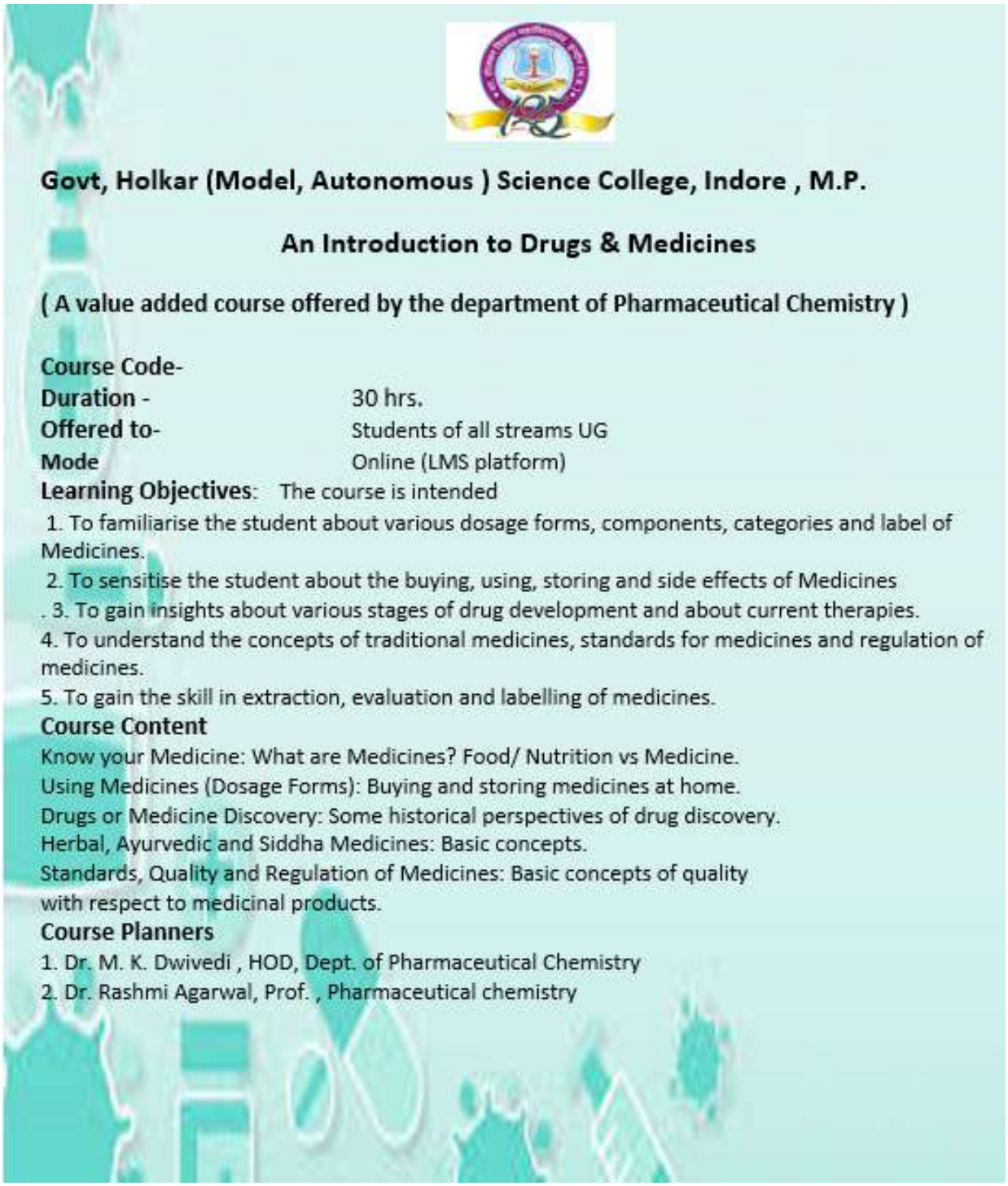
Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

7.

An Introduction to Drugs & Medicine

7.1 Brochure: -



Govt, Holkar (Model, Autonomous) Science College, Indore , M.P.

An Introduction to Drugs & Medicines

(A value added course offered by the department of Pharmaceutical Chemistry)

Course Code-
Duration - 30 hrs.
Offered to- Students of all streams UG
Mode Online (LMS platform)

Learning Objectives: The course is intended

1. To familiarise the student about various dosage forms, components, categories and label of Medicines.
2. To sensitise the student about the buying, using, storing and side effects of Medicines
. 3. To gain insights about various stages of drug development and about current therapies.
4. To understand the concepts of traditional medicines, standards for medicines and regulation of medicines.
5. To gain the skill in extraction, evaluation and labelling of medicines.

Course Content

Know your Medicine: What are Medicines? Food/ Nutrition vs Medicine.
Using Medicines (Dosage Forms): Buying and storing medicines at home.
Drugs or Medicine Discovery: Some historical perspectives of drug discovery.
Herbal, Ayurvedic and Siddha Medicines: Basic concepts.
Standards, Quality and Regulation of Medicines: Basic concepts of quality with respect to medicinal products.

Course Planners

1. Dr. M. K. Dwivedi , HOD, Dept. of Pharmaceutical Chemistry
2. Dr. Rashmi Agarwal, Prof. , Pharmaceutical chemistry

7.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department Of Pharmaceutical Chemistry
Value Added Course on An Introduction to Drugs and Medicines
Syllabus

Learning Objectives: The course is intended;

1. To familiarise the student about various dosage forms, components, categories and label of Medicines.
2. To sensitise the students about the buying, using, storing and side effects of Medicines.
3. To gain insights about various stages of drug development and about current therapies.
4. To understand the concepts of traditional medicines, standards for medicines and regulation of medicines.
5. To gain the skill in extraction, evaluation and labelling of medicines.

Course Outcomes: Upon completion of the course, the student will be able to;

1. Explain the various dosage forms, components, categories and labelling of Medicines.
2. Gain awareness about buying, using, storing and side effects of Medicines.
3. Understand about various stages of drug development and about current therapies.
4. Appreciate the concepts of traditional medicines, standards for medicines and regulation of medicines.
5. Extract, evaluate and label the medicines.

Theory (18 Hours)

Unit-I

Know your Medicine: What are Medicines? Food/ Nutrition vs Medicine. Brief description of some common Dosage forms of Medicines: Tablets, Capsules, Liquids, Suspensions, Injectables, Non-oral dosage forms etc. Components of a Medicine (Dosage form). Generic and Branded medicines. Therapeutic, Prophylactic and Nutritional supplement dosage forms. Dosage strength and how to read the label of Medicines. Idea of Batch, Manufacturing and Expiry Dates.

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Unit-II

Using Medicines (Dosage Forms): Buying and storing medicines at home. Concept of Dosage frequencies and its variation. Reasons for before or after food dose. Do's and Don'ts with special dosage forms (enteric or extended release etc). Handling sterile dosage forms and the relevant precautions. Antibiotics, and their responsible use. Concepts of adverse effects and its reporting. Do's and Don'ts on Medicines for chronic conditions such as Diabetes, Hypertension etc.

Unit-III

Drugs or Medicine Discovery: Some historical perspectives of drug discovery examples such as Aspirin, Penicillin, Quinine, etc. Natural drugs to Modern drugs. Outline of modern drug discovery process. Safety evaluation and Efficacy Evaluation etc. Some modern advances such as Gene Therapy, Stem cell therapy etc.

UNIT-IV

Herbal, Ayurvedic and Siddha Medicines: Basic concepts. Common Traditional Remedies and Illustrative examples of popular plant drugs used in the above systems of medicines, their therapeutic constituents and uses. Awareness about problems or quality issues associated with marketed herbal products and their reliability.

UNIT-V

Standards, Quality and Regulation of Medicines: Basic concepts of quality with respect to medicinal products and how it is ensured. Pharmacopoeias and Standards associated with medicine manufacture. Outline of structure and functions of Drug Control and other relevant Bodies such as NPPA, Scope and purpose of Drugs and Cosmetic Act etc.

Practicals: (12 Hours)

1. Preparation of labels for pharmaceutical dosage forms
2. Extraction of crude drugs
3. Evaluation of dosage forms
4. Evaluation of crude drugs.

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

References:

1. Allen, (2018), Ansel's Pharmaceutical Dosage Forms and Drug Delivery
2. System, Wolters Kluwer India Pvt. Ltd.
3. Mohantha G P, (2017), Textbook of Clinical Research, PharmaMed
4. Press/BSP Books
5. Wallis T E, (2005), Textbook of Pharmacognosy, CBS
6. Indian Pharmacoepia
7. Central Drugs Standard Control Organization (CDSCO): https://cdsco.gov.in/opencms/opencms/en/Home/

Approved

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

7.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department Of Pharmaceutical Chemistry
Value Added Course on An Introduction to Drugs and Medicines
Students List

S. No.	Name	Gender	Father's Name	Mother's Name	Category	Class
1	Minal Kanungo	Female	Jayesh Kanungo	Anita Kanungo	UR	B.Sc. III year
2	Aaliya Khan	Female	Md. Ayub Khan	Tabassum Khan	OBC	B.Sc. III year
3	Abhishek Chaudhary	Male	Mahesh Chaudhary	Kiran Choudhary	OBC	B.Sc. III year
4	Abhishek Singh	Male	Harendra Singh	Meena Singh	OBC	B.Sc. I year
5	Adarsh Mandloi	Male	Rakesh Mandloi	Seema Mandloi	OBC	B.Sc. I year
6	Aditi Reniwal	Female	Sanjay Reniwal	Shweta Reniwal	OBC	B.Sc. I year
7	Aishwarya Pillai	Female	Mohan Pillai	Ramse Pillai	UR	B.Sc. III year
8	Akshita Tiwari	Female	Mr.Jay Tiwari	Mrs.Shraddha Tiwari	UR	B.Sc. III year
9	Aman Eshikar	Male	Hiralal Eshikar	Surekha Eshikar	SC	B.Sc. II year
10	Anchal Gupta	Female	Mr Ram Gopal Gupta	Mrs. Shobha Gupta	UR	B.Sc. II year
11	Aniket Kushwaha	Male	Shri Indrabhan Kushwaha	Gayatree Kushwaha	OBC	B.Sc. I year
12	Anurag Dawar	Male	Dongarsingh Dawar	Rekha Dawar	ST	B.Sc. III year
13	Anushka Singh Thakur	Female	Hemant Singh Thakur	Archana Singh Thakur	UR	B.Sc. III year

14	Arpit Bhuriya	Male	Manvel Bhuriya	Vandana Bhuriya	ST	B.Sc. III year
15	Awani Sharma	Female	Madhusudan Sharma	Ranjna Sharma	UR	B.Sc. I year
16	Babita Meda	Female	Karan Meda	Mamta Meda	ST	B.Sc. III year
17	Chetan Chouhan	Male	Toburam Chouhan	Padmavati Chouhan	OBC	B.Sc. II year
18	Chetna Rawat	Female	Ratansingh Rawat	Sena Rawat	ST	B.Sc. III year
19	Chinmay Shaliya	Male	Ravindra Shaliya	Priya Shaliya	OBC	B.Sc. III year
20	Devaryan Kaushal	Male	Sunil Kaushal	Barkha Kaushal	OBC	B.Sc. III year
21	Dheeraj Satpute	Male	Santosh Satpute	Anjana Satpute	OBC	B.Sc. II year
22	Dheeraj Yadav	Male	Rakesh Kumar Yadav	Guddi Yadav	OBC	B.Sc. III year
23	Ekta Malviya	Female	Ashok Malviya	Manjula Malviya	SC	B.Sc. III year
24	Ganesh Sagar	Male	Duleshing	Radha	OBC	B.Sc. III year
25	Golu Muwel	Male	Ramesh Muwel	Buribai Muwel	ST	B.Sc. III year
26	Gopal Machar	Male	Kanhaiyalal Machar	Sita Machar	ST	B.Sc. I year
27	Govind Patidar	Male	Omprakash Patidar	Ramsukhi Bai Patidar	OBC	B.Sc. III year
28	Haribala Carpenter	Female	Pyarelal Carpenter	Asha Carpenter	OBC	B.Sc. I year
29	Hariom Choudhary	Male	Kailash Choudhary	Kavita Choudhary	OBC	B.Sc. III year
30	Hariom Choudhary	Male	Jitendra Choudhary	Laxmi Choudhary	OBC	B.Sc. III year
31	Harshita Malviya	Female	Azad Singh Malviya	Anita Malviya	SC	B.Sc. I year
32	Harshita Rathore	Female	Badrilal Rathore	Sangeeta Rathore	OBC	B.Sc. I year

33	Kajal Yadav	Female	Shiv Shankar Yadav	Rita Yadav	OBC	B.Sc. I year
34	Kapil Bairagi	Male	Shivdas Bairagi	Savita Bairagi	OBC	B.Sc. I year
35	Karan Ahirwar	Male	Mr. Hemraj	Mrs. Guddi Bai	SC	B.Sc. I year
36	Kashish Tiwari	Female	Umesh Tiwari	Pushpa Tiwari	UR	B.Sc. I year
37	Kavita Kanash	Female	Devising Kanash	Gangabai Kanash	ST	B.Sc. I year
38	Khushal Ujle	Male	Rajendra Ujle	Kavita Ujle	SC	B.Sc. I year
39	Khushboo Bhuarya	Female	Milan Singh Bhuarya	Saroj Bhuarya	ST	B.Sc. I year
40	Khushi Tripathi	Female	Prabhakar Tripathi	Rekha Tripathi	UR	B.Sc. I year
41	Khushi Verma	Female	Santosh Verma	Jyoti Verma	ST	B.Sc. III year
42	Kiran Shaktawat	Female	Chandraveer Singh Shaktawat	Beenu Shaktawat	UR	B.Sc. I year
43	Komal Gehlod	Female	Radheshyam Gehlod	Mamta Gehlod	OBC	B.Sc. III year
44	Kuldeep	Male	Tejalal	Alka	OBC	B.Sc. I year
45	Lavika Ranawat	Female	Mr.Bheru Singh Ranawat	Kalpana Ranawat	UR	B.Sc. III year
46	Manisha Rathore	Female	Manohar Rathore	Sunita Rathore	OBC	B.Sc. III year
47	Mansi Pardeshi	Female	Ravindra Pardeshi	Rajni Pardeshi	OBC	B.Sc. I year
48	Md Adil Ghori	Male	Md Rafiq	Samina	OBC	B.Sc. I year
49	Muskan Malviya	Female	Sunil Malviya	Savita Malviya	SC	B.Sc. I year
50	Muskan Mathaniya	Female	Bherulal Mathaniya	Basanti Mathaniya	SC	M.Sc. Previous

MCA

51	Navyansh Dwivedi	Male	Anil Kumar Dwivedi	Sanat Kumari Dwivedi	UR	B.Sc. II year
52	Neha Badodiya	Female	Rameshchandra Badodiya	Mamta Badodiya	SC	B.Sc. I year
53	Neha Chowhan	Female	Sudhir Chowhan	Chhaya Chowhan	UR	B.Sc. I year
54	Neha Rajbhar	Female	Ramasharya Rajbhar	Sushila Rajbhar	UR	B.Sc. II year
55	Neha Solanki	Female	Daulatram Solanki	Sunita Solanki	SC	B.Sc. I year
56	Nikhat Khan	Female	Shehzad Khan	Shaheen Khan	OBC	B.Sc. III year
57	Nikhil Gupta	Male	Manoj Gupta	Sandhya Gupta	UR	B.Sc. I year
58	Nikita Malviya	Female	Dashrath Malviya	Mamta Malviya	SC	B.Sc. II year
59	Nikita Mishra	Female	Naval Kishore Mishra	Renu Mishra	UR	B.Sc. III year
60	Pankaj Choure	Male	Suresh Choure	Malti Choure	OBC	B.Sc. II year
61	Pavan	Male	Kalusing	Dropati	ST	B.Sc. III year
62	Piyush Kumrawat	Male	Satyanarayan Kumrawat	Laxmi Kumrawat	OBC	B.Sc. I year
63	Piyush Maru	Male	Santosh Maru	Ramkanya Maru	OBC	M.Sc. Previous
64	Poornima Kushwaha	Female	Premlal Kushwaha	Sandhya Kushwaha	OBC	B.Sc. III year
65	Prashant Mahour	Male	Balkishan Mahour	Rajani Mahour	SC	B.Sc. I year
66	Pratiksha Singh	Female	Nagendra Singh	Sanyogita Singh	OBC	B.Sc. III year
67	Pratiksha Vaidya	Female	Govind Vaidya	Supriya Vaidya	UR	B.Sc. III year
68	Preeti Rathore	Female	Prehelad Rathore	Anita Rathore	SC	B.Sc. I year

MCA

69	Pritendra Singh Tiwari	Male	Mrigendra Singh Tiwari	Pratima Tiwari	UR	B.Sc. III year
70	Priti Baiga	Female	Mr. Sukhdayal Baiga	Mrs. Ramkali Baiga	ST	B.Sc. I year
71	Priya Yadav	Female	Mahendra Yadav	Sulochana Yadav	OBC	B.Sc. III year
72	Priyanshu Tiwari	Male	Yogesh Tiwari	Sangeeta Tiwari	UR	B.Sc. II year
73	Pushpraj Singh Patel	Male	Shiv Kumar Patel	Anita Patel	OBC	B.Sc. I year
74	Raj Kuwar Singh	Male	Arvind Singh	Rekha Singh	UR	B.Sc. II year
75	Rajkumar Goyal	Male	Banesingh Goyal	Ramkunvar Goyal	SC	B.Sc. I year
76	Rakhi Pathak	Female	Ramsevak Pathak	Urmila Pathak	UR	B.Sc. III year
77	Ram Sharma	Male	Rajesh Ji	Rekha Ji	UR	B.Sc. I year
78	Ravindraa Khalya	Female	Sanjay Khalya	Seema Khalya	OBC	B.Sc. III year
79	Rinku Pagare	Female	Dinesh Pagare	Anita Pagare	SC	B.Sc. II year
80	Rinku Pal	Female	Rajkumar Pal	Rani Pal	OBC	B.Sc. I year
81	Ritika Saini	Female	Rajkumar Saini	Hemlata Saini	OBC	B.Sc. III year
82	Romit Mandloi	Male	Omprakash Mandloi	Sarla Mandloi	OBC	B.Sc. III year
83	Sachin Vishwakarma	Male	Raysingh Vishwakarma	Reena Bhai Vishwakarma	OBC	B.Sc. I year
84	Sagar Patel	Male	Ramcharit Patel	Sangeeta Patel	OBC	B.Sc. II year
85	Saloni Solanki	Female	Aatmaram Solanki	Kanti Solanki	SC	B.Sc. I year

86	Sandhya Kirar	Female	Hawaldar Singh Kirar	Premwati Kirar	SC	B.Sc. II year
87	Sandhya Sangat	Female	Sanjay Sangat	Komal Sangat	SC	B.Sc. II year
88	Sanjay Kanesh	Male	Ramsingh Kanesh	Kelbai Kanesh	ST	B.Sc. II year
89	Saroj Solanki	Female	Rajkumar Solanki	Sudha Solanki	SC	B.Sc. I year
90	Satyam Harod	Male	Mohanlal Harod	Deena Harod	OBC	B.Sc. II year
91	Shagun Gautam	Female	Mr. Rakesh Gautam	Mrs. Vandana Gautam	UR	B.Sc. II year
92	Shashank Pateriya	Male	Shailendra Pateriya	Shadhana Pateriys	UR	B.Sc. II year
93	Shivani Singhwane	Female	Ramjeevan Singhwane	Varsha Singhwane	OBC	B.Sc. II year
94	Shreya Patidar	Female	Rajesh Patidar	Urmila Patidar	OBC	B.Sc. II year
95	Shruti Mudafale	Female	Shravan Mudafale	Surekha Mudafale	OBC	B.Sc. IIyear
96	Shubham Gangajal	Male	Mr. Narendra Gangajal	Mrs.Sukma Gangajal	OBC	B.Sc. II year
97	Shubham Kumar Jha	Male	Shubhash Chandra Jha	Shobha Devi	UR	B.Sc. II year
98	Shubham Tiwari	Male	Rakesh Tiwari	Savita Tiwari	UR	B.Sc. II year
99	Sneha Pawar	Female	Mr. Arvind Pawar	Mrs. Sarita Pawar	OBC	B.Sc. IIyear
100	Sonali Yadav	Female	Jay Prakash Yadav	Suman Yadav	OBC	B.Sc. II year
101	Sourabh Ganeshe	Male	Yashwant Raw Ganeshe	Swarnlata Ganeshe	SC	B.Sc. II year
102	Swapnil Singh	Male	Ranbahadur Singh	Meenu Singh	OBC	B.Sc. II year
103	Swati Korsane	Female	Mr.Kashiram Korsane	Mrs.Durga Devi Korsane	OBC	B.Sc. I ear

104	Swati Sharma	Female	Rajesh Sharma	Jyoti Sharma	UR	B.Sc. I year
105	Tanupriya Chouhan	Female	Dinesh Chouhan	Maya Chouhan	OBC	B.Sc. III year
106	Urusha Gouri	Female	Mohd. Yunus Gouri	Rafatjahan Gouri	OBC	B.Sc. I year
107	Urvashi Churiya	Female	Gangaram Churiya	Babita Churiya	SC	B.Sc. III year
108	Vallari Chaskar	Female	Charudatta Chaskar	Vishranti Chaskar	UR	B.Sc. I year
109	Vedant Dongre	Male	Prem Kumar Dongre	Nilangi Dongre	SC	B.Sc. III year
110	Vijay Chouhan	Male	Gopal Chouhan	Rekha Chouhan	SC	B.Sc. III year
111	Vikas Bandh Goswami	Male	Prem Bandh Goswami	Dhankuwar Bai	OBC	B.Sc. II year
112	Vinay Raj Rathore	Male	Ramanath Singh Rathore	Sonu Rathore	UR	B.Sc. I year
113	Vinita Baraskar	Female	Rajesh Baraskar	Kavita Baraskar	OBC	B.Sc. II year
114	Vishakha Belsare	Female	Ramesh Belsare	Manisha Belsare	OBC	B.Sc. III year
115	Vishal Patel	Male	Mahesh Patel	Bhavana Patel	OBC	B.Sc. I year
116	Yash Prajapati	Male	Ravishankar Prajapati	Rajni Prajapati	OBC	B.Sc. I year
117	Yukti Patle	Female	Shri Khuman Singh Patle	Smt Jasan Patle	OBC	B.Sc. II year

PROFESSOR & HEAD
Deptt. of Pharmaceutical Chemistry
Govt. Holkar Science College
INDORE (M.P.)

7.4 Course Completion Certificate: -

(11)

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Pharmaceutical Chemistry has successfully completed the value-added certificate course titled "**An Introduction to Drugs & Medicine**" in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Pharmaceutical Chemistry

PROFESSOR & HEAD
Deptt. of Pharmaceutical Chemistry
Govt. Holkar Science College
INDORE (M.P.)

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

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8.
Basic Programming with Python

8.1 Brochure: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

SESSION 2021-2022

Certificate Course on Basic Programming with Python

Organized by Department of Electronics

Starting Date: 26th February 2022

Focal Theme : Skill Development for Employability

Duration: 60 Hours

Course Highlights

1. Fundamentals of Python programming.
2. Essential syntax and data handling.
3. Problem-solving using loops and conditionals.
4. Basic functions and error handling.
5. Hands-on coding experience.

For any query: Contact Prof. Jai Prakash Yadav, Department of Electronics

Course Learning Outcomes

1. Develop foundational understanding of Python programming.
2. Learn essential syntax, data types, and control structures.
3. Gain skills in problem-solving and algorithmic thinking.
4. Create and manipulate functions, loops, and conditional statements.
5. Acquire proficiency in input/output operations and error handling.
6. Apply knowledge to simple coding projects.
7. Prepare for more advanced programming studies.

Course Coordinator:
Dr. Netram Kaurav
Professor & Head
Department of Electronics

Patron:
Dr. Suresh T. Silawat
Principal

8.2 Permission: -

इलेक्ट्रॉनिक्स विभाग, शासकीय (आदर्श, स्वशासी) होलकर विज्ञान महाविद्यालय,इन्दौर (म.प्र.)

क्रमांक.....

प्रति,

इन्दौर, दिनांक 24/02/2022

प्राचार्य,

शासकीय होलकर विज्ञान महाविद्यालय,

इन्दौर (म0प्र0)

विषय : इलेक्ट्रॉनिक्स विभाग द्वारा सर्टिफिकेशन कोर्स करने बाबत् प्रस्ताव।

महोदय,

इलेक्ट्रॉनिक्स विभाग द्वारा Python विषय पर 6 माह के सर्टिफिकेट कोर्स आयोजित करने का प्रस्ताव निम्नानुसार प्रस्तुत है –

1. कोर्स का नाम – Certificate Course on Basic Programming with Python
2. अवधि – 60:00 घंटे
3. कोर्स प्रारंभ करने की तिथि – 26 फरवरी 2022 से प्रारंभ
4. कोर्स के विषय पाठ्यक्रम – इलेक्ट्रॉनिक्स विषय के अध्ययन मण्डल (बोर्ड ऑफ स्टडी) द्वारा सर्टिफिकेट कोर्स हेतु अनुमोदित पाठ्यक्रम (सलंग्न)
5. रिर्सास पर्सन (विषय विशेषज्ञों की जानकारी) इन्दौर शहर में Python के क्षेत्र में कार्यरत कंम्पनी के इंजीनियरों को आमंत्रित किया जाऐगा।
6. विषय विशेषज्ञों को मानदेय नियामानुसार राशि रू 1000 प्रति व्याखान (90 मिनिट)8के दर से देय होगा।
7. कोर्स के लिए अर्हता – कक्षा 12वी एवं किसी भी विषय मे बी.एस.सी. उत्तीर्ण या अध्ययनरत विद्यार्थी इस कोर्स के लिए अर्ह है।
8. कोर्स फीस एवं परीक्षा शुल्क – रू 1000 + 200/– प्रति अभ्यर्थी
9. संभावित प्रतिभागियों की संख्या – 50
10. फीस द्वारा प्राप्त होने वाली संभावित आय – रू 60,000/–
11. महाविद्यालय से प्राप्त Seed money – नहीं
12. कुल संभावित आय रू – 60,000/–
13. कुल आय रू – 60,000/–

①

14. विषय विशेषज्ञों के मानदेय पर संभावित कुल व्यय रू – 40,000/–

15. परीक्षा शुल्क – 10,000/–

16. स्टेशनरी, कम्प्यूटर स्टेशनरी, फोटो कॉपी एवं अन्य स्टेशनरी आदि पर व्यय–5000/–

17. अन्य विविध व्यय एवं आकस्मिक व्यय – 5000/–

18. कुल संभावित व्यय रू. – 60,000/–

इस सर्टिफेकेट कोर्स के लिए नियमित कक्षाएँ प्रतिदिन प्रातः 12:00 से 3:00PM तक इलेक्ट्रॉनिक्स विभाग में आयोजित की जावेंगी। इस कोर्स के लिए परीक्षा विभाग द्वारा परीक्षा आयोजित की जावेगी जिसके अन्तर्गत सैद्वांतिक एवं प्रयोगिक परीक्षा आयोजन होगा। सफल अभ्यार्थियों को सर्टिफेकेट प्रदान किए जावेगे।

कृप्या इस कोर्स को आयोजित करने हेतु अनुमति विभाग को प्रदान करने का कष्ट करें।

डॉ. नेतराम कौरव
विभागाध्यक्ष
इलेक्ट्रॉनिक्स विभाग

संलग्नः–

1. अध्ययन मण्डल के सदस्यों द्वारा अनुमोदित पाठ्यक्रम की प्रतिलिपी।

Yes

8.3 Syllabus: -

Govt. Holkar (Model, Autonomous) Science College, Indore
Department of Electronics
Syllabus Session 2021-22

Title of Certificate Course:	Basic Programming with Python
Course Code	PYTH
Credit	4

	Part A : Introduction	
1	Certificate Course Description	This course provides an introduction to programming and the Python language. Students are introduced to core programming concepts like data structures, conditionals, loops, variables, and functions. This course includes an overview of the various tools available for writing and running Python, and gets students coding quickly. It also provides hands-on coding exercises using commonly used data structures, writing custom functions, and reading and writing to files. This course may be more robust than some other introductory python courses, as it delves deeper into certain essential programming topics.
2	Pre-requisite (if any)	10+2 with Science
3	Course Objective	The course is designed to provide Basic knowledge of Python. Python programming is intended for software engineers, system analysts, program managers and user support personnel who wish to learn the Python programming language.
4	Course Learning Outcomes	• Making Software easily right out of the box. • Experience with an interpreted Language. • To build software for real needs. • Prior Introduction to testing software

Module	Topics	No. of Hrs
1	**Introduction:** History of Python, Need of Python Programming, Python and PyCharm Installation, Running Python Scripts, Variables, Assignment, Keywords, Input-Output. Data Structures Lists– Operations, Slicing, Methods; Tuples, Sets, Dictionaries, Sequences.	6
2	**Types, Operators, and Expressions:** Types – Integers, Strings, Booleans; Operators- Arithmetic Operators, Comparison (Relational) Operators, Assignment Operators, Logical Operators, Bitwise Operators, Membership Operators, Identity Operators, Expressions and order of evaluations Control Flow- if, if-elif-else, for, while, break, continue, pass.	6
3	**Functions:** Defining Functions, Calling Functions, Passing Arguments, Keyword Arguments, Default Arguments, Variable-length arguments, Anonymous Functions, Fruitful Functions (Function Returning Values), Scope of the Variables in a Function- Global and	6

	Local Variables, Recursion, decorators. Modules: Creating modules, import statements, from. The import statement, namespacing, Python packages, Introduction to PIP, Installing Packages via PIP, Using Python Packages.	
4	**Built in Functions:** Files- read, write, open, close, readline, readlines, writelines, seek, tell etc. Date and Time, audio related function, lambda, F-string and string formatting, enumerate, If __name__ == __main__ usage & necessity, join, map, filter, reduce, Built in Modules like Time, OS,.	6
5	**Object**: Oriented Programming OOP in Python: Classes, 'self-variable', Methods, Constructor Method, Inheritance, Overriding Methods, Data hiding, and Overloading.	6
Hands-on/Field work	Practical/Project	30

Part C – Learning Resources

Text books, Reference Books, Other Resources

Part D- Assessment and Evaluation

Title	CCE	Min. Marks	Term Exam	Min. Marks	Total
Theory	10	4	40	14	50
Practical/Project	--	--	50	17	50

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

8.4 Students List: -

DEPARTMENT OF ELECTRONICS, GOVT. HOLKAR (MODEL, AOTOUNOMOUS) SCIENCE COLLEGE, INDORE

Certificate Course on Basic Programming with Python

Main Exame MAY-2022

Date: 28/05/2022

S.No.	Roll No	NAME	Signature
1	22PY01	AASHUTOSH UPADHYAY	
2	22PY02	AAYUSH CHOUHAN	
3	22PY03	ABHISHEK PATIDAR	
4	22PY04	AKRATI PATLE	
5	22PY05	ALOK KUMAR	
6	22PY06	AMAN ASATI	
7	22PY07	AMAN SHRIVAS	
8	22PY08	ARPIT SINGH	
9	22PY09	ARUN KUMAR YADAV	
10	22PY10	AYUSH KUMAR SARATHE	
11	22PY11	CHANDRIKA MITTAL	
12	22PY12	CHITRANSHI SHARMA	
13	22PY13	DEEPIKA AGRAWAL	
14	22PY14	DEVENDRA BARMAN	
15	22PY15	DHILLOPAMA JADHAV	
16	22PY16	GARIMA LASHKARE	
17	22PY17	HAREESH KUMAR SINGH SOTIYA	
18	22PY18	HARSHA CHOUDHARY	
19	22PY19	Hritik Singh	
20	22PY20	KRITIKA SARVA	
21	22PY21	LAKSHITA HAJARE	
22	22PY22	MADHUSUDAN NAGAR	
23	22PY23	MAHENDRA MEWADA	
24	22PY24	MANISHA AHIRWAR	
25	22PY25	MANSEE GEHLOT	
26	22PY26	MANSI SONI	
27	22PY27	MINI RAJAK	
		NARENDRA DHURVE	

S.No.	Roll No	NAME	Signature
29	22PY29	NEERAJ RATHORE	
30	22PY30	NIKITA JAIN	
31	22PY31	NILESH MANDOWAR	
32	22PY32	NIRVAN NAIK	A
33	22PY33	PALAK BHARAMBE	
34	22PY34	PRACHI GOLHANI	
35	22PY35	PRAMILA NAHAR	
36	22PY36	PRANSHU SINGH	
37	22PY37	PRINCE	
38	22PY38	PRIYA MEDA	A
39	22PY39	RAHUL RAWAT	
40	22PY40	RANJEETA DHAKAD	
41	22PY41	RUPAL BARASKAR	
42	22PY42	SAGAR PATIDAR	A
43	22PY43	SAKSHI SURYAWANSHI	
44	22PY44	SANDEEP PARMAR	
45	22PY45	SANJAY AARYA	
46	22PY46	SANJU SAHU	
47	22PY47	SARASWATI AHIRWAR	
48	22PY48	SATYENDRA KUMAR VERMA	
49	22PY49	SHIKHAR NIGAM	
50	22PY50	SHRESHTHA SHRIVASTAVA	A
51	22PY51	SHREYASI GUPTA	
52	22PY52	SHUBHAM BARASKAR	
53	22PY53	SHUBHAM KHOBRAGADE	
54	22PY54	SNEHA LODHI	
55	22PY55	TANISH BAROAD	
56	22PY56	TEENA SONI	
57	22PY57	VAISHNAVI VYAS	
58	22PY58	YOGITA CHOUDHARY	

invigilator

(Dr.Netram Kaurav)
HOD
Department of Electronics

8.5 Course Completion Certificate: -

(8)

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Electronics has successfully completed the value-added certificate course titled **"Basic Programming with Python"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Electronics

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

9.
Robotics

9.1 Brochure: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

SESSION 2021-2022

Certificate Course on Robotics

Organized by Department of Electronics

Duration: 60 Hours

Starting Date: 26th February 2022

Focal Theme : Skill Development for Employability

Course Highlights

1. In-depth robotics principles.
2. Hands-on robot programming.
3. Sensor integration skills.
4. Practical robot design.
5. Real-world application focus.
6. Interactive project collaboration.
7. Pathway to advanced robotics pursuits.

For any query: Contact Prof. Jai Prakash Yadav, Department of Electronics

Course Learning Outcomes

1. Develop comprehensive understanding of robotics principles and technologies.
2. Master programming and control of robots.
3. Gain skills in sensor integration and data interpretation.
4. Design and construct basic robots.
5. Apply knowledge to real-world scenarios.
6. Collaborate effectively in robotics projects.
7. Prepare for advanced studies or careers in robotics.

Course Coordinator:
Dr. Netram Kaurav
Professor & Head
Department of Electronics

Patron:
Dr. Suresh T. Silawat
Principal

9.2 Permission: -

इलेक्ट्रॉनिक्स विभाग, शासकीय (आदर्श, स्वशासी) होलकर विज्ञान माहविद्यालय,इन्दौर (म.प्र.)

क्रमांक..... इन्दौर, दिनांक .....

प्रति,

प्राचार्य,

शासकीय होलकर विज्ञान महाविद्यालय,

इन्दौर (म0प्र0)

विषय : इलेक्ट्रॉनिक्स विभाग द्वारा सर्टिफिकेशन कोर्स करने बाबत् प्रस्ताव।

महोदय,

इलेक्ट्रॉनिक्स विभाग द्वारा Robotics विषय पर 6 माह के सर्टिफिकेट कोर्स आयोजित करने का प्रस्ताव निम्नानुसार प्रस्तुत है –

1. कोर्स का नाम – Certification Course on Robotics
2. अवधि – 60:00 घंटे
3. कोर्स प्रारंभ करने की तिथि – 26 फरवरी 2022 से प्रांरभ
4. कोर्स के विषय पाठ्यक्रम – इलेक्ट्रॉनिक्स विषय के अध्ययन मण्डल (बोर्ड ऑफ स्टडी) द्वारा सर्टिफिकेट कोर्स हेतु अनुमोदित पाठ्यक्रम (सलंग्न)
5. रिर्सास पर्सन (विषय विशेषज्ञों की जानकारी) इन्दौर शहर में Robotics के क्षेत्र में कार्यरत कंम्पनी के इंजीनियरों को आमंत्रित किया जाऐगा।
6. विषय विशेषज्ञों को मानदेय नियमानुसार राशि रू 1000 प्रति व्याखान (90 मिनिट) के दर से देय होगा।
7. कोर्स के लिए अर्हता – कक्षा 12वी एवं किसी भी विषय मे बी.एस.सी. उत्तीर्ण या अध्ययनरत विद्यार्थी इस कोर्स के लिए अर्ह है।
8. कोर्स फीस एवं परीक्षा शुल्क – रू 1000 + 200/– प्रति अभ्यर्थी
9. संभावित प्रतिभागियों की संख्या – 20
10. फीस द्वारा प्राप्त होने वाली संभावित आय – रू 24,000/–
11. महाविद्यालय से प्राप्त Seed money – नहीं
12. कुल संभावित आय रू – 24,000/–
13. कुल आय रू – 24,000/–

(1)

14. विषय विशेषज्ञों के मानदेय पर संभावित कुल व्यय रू – 16,000/–

15. परीक्षा शुल्क – 4000/–

16. स्टेशनरी, कम्प्यूटर स्टेशनरी, फोटो कॉपी एवं अन्य स्टेशनरी आदि पर व्यय–1000/–

17. अन्य विविध व्यय एवं आकस्मिक व्यय – 3000/–

18. कुल संभावित व्यय रू. – 24,000/–

इस सर्टिफेकेट कोर्स के लिए नियमित कक्षाएँ प्रतिदिन प्रातः 9:00 से 12:00 तक इलेक्ट्रॉनिक्स विभाग में आयोजित की जावेंगी। इस कोर्स के लिए परीक्षा विभाग द्वारा परीक्षा आयोजित की जावेगी जिसके अन्तर्गत सैद्वांतिक एवं प्रयोगिक परीक्षा आयोजन होगा। सफल अभ्यार्थियों को सर्टिफेकेट प्रदान किए जावेगे।

कृप्या इस कोर्स को आयोजित करने हेतु अनुमति विभाग को प्रदान करने का कष्ट करें।

डॉ. नेतराम कौरव
विभागाध्यक्ष
इलेक्ट्रॉनिक्स विभाग

संलग्न:–

1. आयुक्त उच्चशिक्षा द्वारा अनुमोदित सर्टिफिकेट कोर्स अनुमति पत्र
2. अध्ययन मण्डल के सदस्यों द्वारा अनुमोदित पाठ्यक्रम की प्रतिलिपी।

9.3 Syllabus: -

Govt. Holkar (Model, Autonomous) Science College, Indore
Department of Electronics
Syllabus Session 2021-22

Title of Certificate Course:	Robotics
Course Code	RX02
Credit	4

	Part A : Introduction	
1	Certificate Course Description	Develop and implement an embedded system (hardware and software) necessary to control a typical robot Acquire and process data from typical sensors used in robotics Control typical actuators used in robotics.
2	Pre-requisite (if any)	10+2 with Science
3	Course Objective	This course is especially designed to bridge that gap by providing an opportunity to the students, so that they can write embedded C/C++ programs to interface different types of input/output devices with the Microcontroller to do different projects. Now robotics is an emerging field of technology. In many sectors in our industry, robots are replacing humans very rapidly. That is why in this course students will also get some insight of robotics.
4	Course Learning Outcomes	1. Understand the importance of embedded systems and robotics in our daily life. 2. Identify different embedded devices. 3. Identify different components of embedded systems and robotics. 4. Interfaced different input/output devices with a microcontroller. 5. Design mechanical structure of a robot.

Module	Topics	No. of Hrs
1	**Introduction:** Embedded system, components, advantages, application, Arduino and Its History, popularity, capabilities of arduino, real world applications Introduction to Arduino IDE, Familiarizing with Arduino Development Board, Understanding Arduino Sketch, Compile and Upload sketches in Arduino	6
2	**Arduino Programming Concepts:** Arduino data types, Variables and Constants, Operators, Control Statements If, If-else, nested if-else, Loop- while, for, break, continue, Functions, basic programming of arduino.	6
3	**Arduino Online Simulator:** Introduction of Arduino Online Simulator, Benefits of Online Simulator, operate Online Simulator, Integration and working of Online simulator with Arduino	6

	Development Board.	
4	**Input Interfacing:** Sensors: InfraRed, UltraSonic, Thermistor (LM35), LDR, Clap, Switch.	6
5	**Output Interfacing:** LED, LCD, Relay, Moters- DC, Stepper, Bluetooth.	6
Hands-on/Field work	Practical/Project	30

Part C – Learning Resources

Text books, Reference Books, Other Resources

Reference books:

1. Arduino Robotics by John David Warren
2. Arduino Workshop: A Hands-On Introduction with 65 Projects, 1st Edition.
3. Arduino Programming: The Ultimate Guide For Making The Best Of Your Arduino Programming Projects, Kindle Edition

Part D- Assessment and Evaluation

Title	CCE	Min. Marks	Term Exam	Min. Marks	Total
Theory	10	4	40	14	50
Practical/Project	--	--	50	17	50

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

9.4 Students List: -

DEPARTMENT OF ELECTRONICS, GOVT. HOLKAR (MODEL, AOTOUNOMOUS) SCIENCE COLLEGE, INDORE

Certificate Course on Robotics

Main Exame MAY-2022 30/5/22

S.No.	Roll No.	NAME	Signature
1	22RX01	ANIKET SAHU	Aniket
2	22RX02	ATANU PAL	
3	22RX03	DEEPANSHU BHISIKAR	Deepanshu
4	22RX04	HAREESH KUMAR SINGH SOTIYA	
5	22RX05	JAINY SONI	
6	22RX06	KULDEEP PANCHAL	
7	22RX07	NARENDRA DHURVE	
8	22RX08	NILESH PATIL	Nilesh.
9	22RX09	~~NISHAN MAK~~ NIRAV KHOBRAGADE	-> Absent
10	22RX10	NITIN HATHIYA	Absent
11	22RX11	PRAVEEN SINGH PARMAR	
12	22RX12	PRINCE	
13	22RX13	RAJ PATEL	
14	22RX14	RAJIT TOMAR	
15	22RX15	TANISHQ JOSHI	

(Dr.Netram Kaurav)
HOD
Department of Electronics

9.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Electronics has successfully completed the value-added certificate course titled **"Robotics"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Electronics

IQAC Coordinator
Verified by IQAC
Government Holkar (Model Autonomous)
Science College, Indore

10.
Fabrication and Maintenance of Laboratory Equipment

10.1 Brochure: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

SESSION 2021-2022

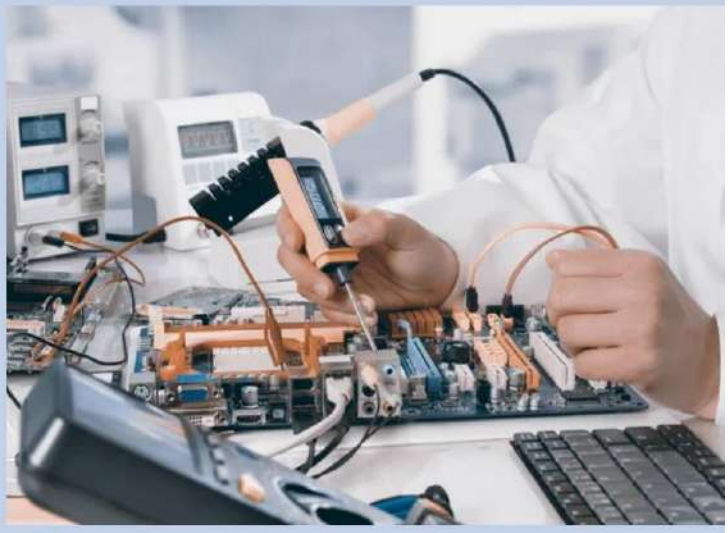
Organized by Department of Electronics

Certificate Course on Fabrication and Maintenance of Laboratory Equipment

Starting Date: 26th February 2022

Focal Theme : Skill Development for Employability

Duration: 60 Hours



Course Highlights

1. Practical fabrication techniques.
2. Equipment construction with diverse materials.
3. Maintenance and repair skills.
4. Emphasis on safety protocols.
5. Hands-on troubleshooting experience.
6. Contribution to research and experimentation.
7. Essential for roles in scientific and technical environments.

For any query: Contact Prof. Jai Prakash Yadav, Department of Electronics

Course Learning Outcomes

1. Comprehensive understanding of laboratory equipment fabrication and maintenance.
2. Proficiency in utilizing tools, materials, and techniques for equipment construction.
3. Skills in troubleshooting and repairing laboratory apparatus.
4. Application of safety protocols in fabrication and maintenance.
5. Preparation to contribute effectively to research and scientific endeavors requiring specialized equipment.

Course Coordinator:
Dr. Netram Kaurav
Professor & Head
Department of Electronics

Patron:
Dr. Suresh T. Silawat
Principal

10.2 Permission: -

इलेक्ट्रॉनिक्स विभाग, शासकीय (आदर्श, स्वशासी) होलकर विज्ञान माहविद्यालय,इन्दौर (म.प्र.)

क्रमांक.....

इन्दौर, दिनांक .....

प्रति,

प्राचार्य,

शासकीय होलकर विज्ञान महाविद्यालय,

इन्दौर (म0प्र0)

विषय : इलेक्ट्रॉनिक्स विभाग द्वारा सर्टिफिकेशन कोर्स करने बाबत् प्रस्ताव।

महोदय,

इलेक्ट्रॉनिक्स विभाग द्वारा Fabrication and Maintenance of Laboratory Equipment विषय पर 6 माह के सर्टिफिकेट कोर्स आयोजित करने का प्रस्ताव निम्नानुसार प्रस्तुत है –

1. कोर्स का नाम – Certificate Course on Fabrication and Maintenance of Laboratory Equipment
2. अवधि – 60:00 घंटे
3. कोर्स प्रारंभ करने की तिथि – 26 फरवरी 2022 से प्रांरभ
4. कोर्स के विषय पाठ्यक्रम – इलेक्ट्रॉनिक्स विषय के अध्ययन मण्डल (बोर्ड ऑफ स्टडी) द्वारा सर्टिफिकेट कोर्स हेतु अनुमोदित पाठ्यक्रम (सलंग्न)
5. रिर्सास पर्सन (विषय विशेषज्ञों की जानकारी) इन्दौर शहर में Fabrication and Maintenance of Laboratory Equipment के क्षेत्र में कार्यरत कंम्पनी के इंजीनियरों को आमंत्रित किया जाऐगा।
6. विषय विशेषज्ञों को मानदेय नियामानुसार राशि रू 1000 प्रति व्याखान (90 मिनिट) के दर से देय होगा। स्थानीय विशेषज्ञों को 200 रू वाहन भत्ता प्रदान किया जावेगा। इन्दौर से बाहर के विशेषज्ञों को एसी थर्ड श्रेणी का किराया एवं मध्यप्रदेश शासन के नियमानुसार डीए देय होगा।
7. कोर्स के लिए अर्हता – कक्षा 12वी एवं किसी भी विषय मे बी.एस.सी. उत्तीर्ण या अध्ययनरत विद्यार्थी इस कोर्स के लिए अर्ह है।
8. कोर्स फीस एवं परीक्षा शुल्क – रू 1000 + 200/– प्रति अभ्यर्थी

(1)

9. संभावित प्रतिभागियों की संख्या – 20

10. फीस द्वारा प्राप्त होने वाली संभावित आय – रू 24,000/–

11. महाविद्यालय से प्राप्त Seed money – नहीं

12. कुल संभावित आय रू – 24,000/–

13. कुल आय रू – 24,000/–

14. विषय विशेषज्ञों के मानदेय, पर संभावित कुल व्यय रू – 16,000/–

15. परीक्षा शुल्क – 4000/–

16. स्टेशनरी, कम्प्यूटर स्टेशनरी, फोटो कॉपी एवं अन्य स्टेशनरी आदि पर व्यय–1000/–

17. अन्य विविध व्यय एवं आकस्मिक व्यय – 3000/–

18. कुल संभावित व्यय रू. – 24,000/–

इस सर्टिफेकेट कोर्स के लिए नियमित कक्षाएँ प्रतिदिन प्रातः 11:30 से 2:30PM तक इलेक्ट्रॉनिक्स विभाग में आयोजित की जावेंगी। इस कोर्स के लिए परीक्षा विभाग द्वारा परीक्षा आयोजित की जावेगी जिसके अन्तर्गत सैद्धांतिक एवं प्रयोगिक परीक्षा आयोजन होगा। सफल अभ्यार्थियों को सर्टिफेकेट प्रदान किए जावेगे।

कृप्या इस कोर्स को आयोजित करने हेतु अनुमति विभाग को प्रदान करने का कष्ट करें।

डॉ. नेतराम कौरव
विभागाध्यक्ष
इलेक्ट्रॉनिक्स विभाग

संलग्नः–

1. आयुक्त उच्चशिक्षा द्वारा अनुमोदित सर्टिफिकेट कोर्स अनुमति पत्र
2. अध्ययन मण्डल के सदस्यों द्वारा अनुमोदित पाठ्यक्रम की प्रतिलिपी।

Yes

(2)

10.3 Syllabus: -

Govt. Holkar (Model, Autonomous) Science College, Indore
Department of Electronics
Syllabus Session 2021-22

Title of Certificate Course:	Fabrication and Maintenance of Laboratory Equipment
Course Code	FMLE
Credit	4

	Part A : Introduction	
1	Certificate Course Description	The Objectives of providing services and training in electronic product design, testing & repairs.Electronic instrument repair and maintenance.
2	Pre-requisite (if any)	10+2 with Science
3	Course Objective	Student will learn how to maintain and fabricate the electronic Devices for Idustrial and Academics purpose and enhance the practical knowledge of various electronic Instruments.
4	Course Learning Outcomes	• To study the steady state behavior and transient behaviour of various circuits. • To gain practical knowledge about soldering and its various techniques. • To study reasons for failures in various components , techniques for failure detection and troubleshooting. • To introduce students to the use of various electronic/electrical instruments their construction, applications, principles of operation. • To gain knowledge about the various types of semiconductor diodes.

Module	Topics	No. of Hrs
1	**Methods of Soldering:** Introduction of soldering process, Classification of soldering techniques, Different soldering techniques: Soft Soldering, Hard Soldering: Silver and Braze soldering, Required tools for Soldering: soldering iron, soldering flux, soldering paste, soldering Steps, Soldering tips.	06
2	**PCB Designing:** Layout of PCB, PCB Packages, Track, Pads, Vias, Polygons on PCB, Component placement and design, Etching, Drilling, Soldering, Component mounting . **Designing of Various Circuits**: PCB designing Practice: PCB designing of Basic and Analog Electronic circuits, PCB design of power supplies, Testing and Troubleshooting of various Electronic circuits.	06
3	**Maintenance Management and Troubleshooting:** Objectives of Maintenance Management, service and maintenance laboratory, Maintenance policy. Concept of Warranty and Guarantee, equipment service option, Troubleshooting process, Fault finding tools and	06

SESSION 2021 - 22

	instruments, Troubleshooting techniques and measures, Software installation Procedures and policies.	
4	**Measuring Instruments:** Measuring methods in series and parallel connections, DC Voltmeter and AC Voltmeter, Digital Voltmeter. **Multimeters:** Analog Multimeter: resistance, voltage and current measurement. Digital multimeter: voltage, current and resistance measurement. Caliberation of analog and digital multimeters.	06
5	**Fabrication and Maintenance of Semiconductor Kits:** Zener Diode, PN Junction Diode, Field Effect Transistor (FET), Silicon Controlled Rectifier (SCR), Solar Cell, Light Emitting Diode (LED), Bipolar Junction Transistor (BJT) , Digital IC Trainer, Charging Discharging of Capacitor,	06
Hands-on/Field work	Practical/Project	30

Part C – Learning Resources

Text books, Reference Books, Other Resources

1. Malvino Albert & Bates David J, "Electronic Principles", TMH Publication, 7th Edition, July 2017.
2. Boylested Robert L. & Nashelsky Louis, "Electronics Devices and Circuits", Pearson Pub. January 2015, 11th edition.
3. Mehta V.K. & Mehta Rohit, "Principles of Electronics", S. Chand, February 2014, 12th Edition.
4. Thareja B.L, "Basic Electronics Solid State", S. Chand, December 2006.
5. Sedha R.S. "A text book of Electronics Devices and Circuits", S. Chand, Revised Edition, December 2010.
6. **https.//www.nielit.gov.in/Aurangabad.content.certificate-course-printed-circuit-board-design-analysis-and-manufacturing-technique**

Part D- Assessment and Evaluation

Title	CCE	Min. Marks	Term Exam	Min. Marks	Total
Theory	10	4	40	14	50
Practical/Project	--	--	50	17	50

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

SESSION 2021 - 22

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

10.4 Students List: -

DEPARTMENT OF ELECTRONICS, GOVT. HOLKAR (MODEL, AOTOUNOMOUS) SCIENCE COLLEGE, INDORE

Certificate Course on Fabrication and Maintenance of Laboratory Equipment

Main Exame MAY-2022 30/5/22

S.No.	Roll No.	NAME	Signature
5	22LE01	ALOK KUMAR PATEL	
3	22LE02	DAMINI PANCHAL	
1	22LE03	KASHISH	kashish
6	22LE04	MANOHAR SINGH PANWAR	
2	22LE05	NEELISHA RATHORE	
7	22LE06	NIRVAN NAIK	
4	22LE07	VIKAS PRAJAPAT	
8	22LE08	YASH SUNERIYA	

(Dr.Netram Kaurav)
HOD
Department of Electronics

10.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Electronics has successfully completed the value-added certificate course titled **"Fabrication and Maintenance of Laboratory Equipment"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Electronics

IQAC Coordinator
Verified by IQAC
Government Holkar (Model Autonomous)
Science College, Indore

11.
Nursery Management

11.1 Brochure: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

SESSION 2021-2022

32 Hours Value-added Course in Nursery Management

Organized by Department of Seed technology and Horticulture

Duration: 16.08.2022 to 31.08.2022

Focal Theme :
Skill Development for Employability

Course Highlights

1. Comprehensive plant propagation insights.
2. Practical soil and irrigation mastery.
3. Pest control techniques.
4. Efficient nursery design skills.
5. Diverse plant cultivation experience.
6. Business aspects integration.
7. Ideal for horticulture and landscaping career pathways.

For any query: Contact Prof. Dharmendra Jat, Department of Seed Technology

Course Learning Outcomes

1. Profound knowledge of plant propagation and growth techniques.
2. Skills in soil management, irrigation, and pest control.
3. Expertise in nursery design and layout planning.
4. Ability to cultivate a variety of plants.
5. Understanding of business aspects in nursery operations.
6. Readiness for roles in horticulture and landscaping industries.

Course Coordinator:
Dr. Sanjay Vyas
Professor & Head

Patron:
Dr. Suresh T. Silawat
Principal

Government Holkar (Model, Autonomous) Science College, Indore (M.P.)

(NAAC Accredited "A" Grade College)

Course Code – Horti-Nursery 1

Certificate course -Value addition courses on Nursery management

Organised by department of seed technology and horticulture

Date:-16/08/2022 -31/08/2022

Time:- 1.00-3.00 pm

Organised committee:-

Dr. Sanjay vyas

Dr kamla shivani

Mr. Dharmendra Jat

Mr.Govind Jat

Mr. Ashok Jat

Mr. kanhaiyalal Sanodiya

Technical support:- **Shri Rajesh Nagar**

11.2 Syllabus: -

Syllabus

Value addition courses :- Nursery management

I. Nursery definition, type, importance

II. Plant propagation- Need and potentialities for plant multiplication, plnat sexual and asexual methods of propagation, advantages and disadvantages.

III. Need and potentialities for plant multiplication, sexual and asexual methods of propagation, advantages and disadvantages.

IV. Methods and techniques of cutting, layering, grafting and budding physiological & bio chemical basis of rooting, factors influencing rooting of cuttings and layering, graft incompatibility and propagation through specialized organs, corm, runners, suckers.

V. Seed dormancy (scarification & stratification) internal and external factors, nursery techniques, apomixes – mono-embrony, polyembrony, chimera & bud sport.

VI. Propagation Structures: Mist chamber, humidifiers, greenhouses, glasshouses, cold frames, hot beds, poly-houses, nursery (tools and implements.

VII. Preparation of nursery beds and sowing of seeds.

VIII. Raising of rootstock. Seed treatments for breaking dormancy and inducing vigorous seedling growth. Hardening plants in the nursery.

IX. Use of growth regulators in seed and vegetative propagation

X. Media for propagation of plants in nursery beds, pot and mist chamber.

XI. Use of different types of nursery tools and implements for general nursery.

XII. Insect/pest/disease control in nursery.

XIII. Use of different types of nursery tools and implements for general nursery

XIV. Maintenance of nursery records. Nursery registration act.

XV. Cost of establishment of a mist chamber, greenhouse, glasshouse, polyhouse and their management.

11.3 Students List: -

Horticulture Department
Govt. (Model. Autonomous) Science College, Indore (M.P.)
Certificate course -Value addition courses on Nursery management
Course Code – Horti-Nursery 1

S NO	STUDENTS NAME	SIGNATURE
1	Shekhar S/o Antarsingh	शेखर
2	Lalit Panwar	ललित
3	Sandeep Patidar	संदीप
4	Varun Janoriya	Varun
5	Chandrapal Singh gohil	Gohil
6	YASH PATIDAR	Yash
8	Vishal Patidar	Vatidar
9	Tushar Patidar	Tushar
10	Aayush Mukati	Ayushmukati
11	Narendra Gehlot	Narendra
12	Suresh Nagar	Suresh
13	Kamlesh Jadhav	Kamlesh
14	Chetan patel	Chetan
15	Tushar Rathore	Tushar
16	Harsh Sahu	Harsh
17	Raja Soni	Raja
18	Satyendra Kumar Verma	
19	Ramchandra sahu	Ram
20	Lokesh Khaate	Lokesh
21	Rituraj Patidar	RituRaj
22	Kaushal Amratiya	Kaushal
23	dolly Sargile	Dolly
24	Tushar Parmar	Tushar
25	Ritu Patil	Ritu
26	Komal Patidar	कोमल
28	Minakshi Vikey	Minakshi
29	Sachin chouhan	Sachin
30	Sumit Rathore	Sumit
32	Akshay Kumar Dangi	
33	Rajendra Parmar	Rajendra
34	durga Prasad Dangi	
35	Rambabu Dangi	Rambabu
36	Abhishek Patel	Abhishek

11.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Horticulture has successfully completed the value-added certificate course titled "**Nursery Management**" in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

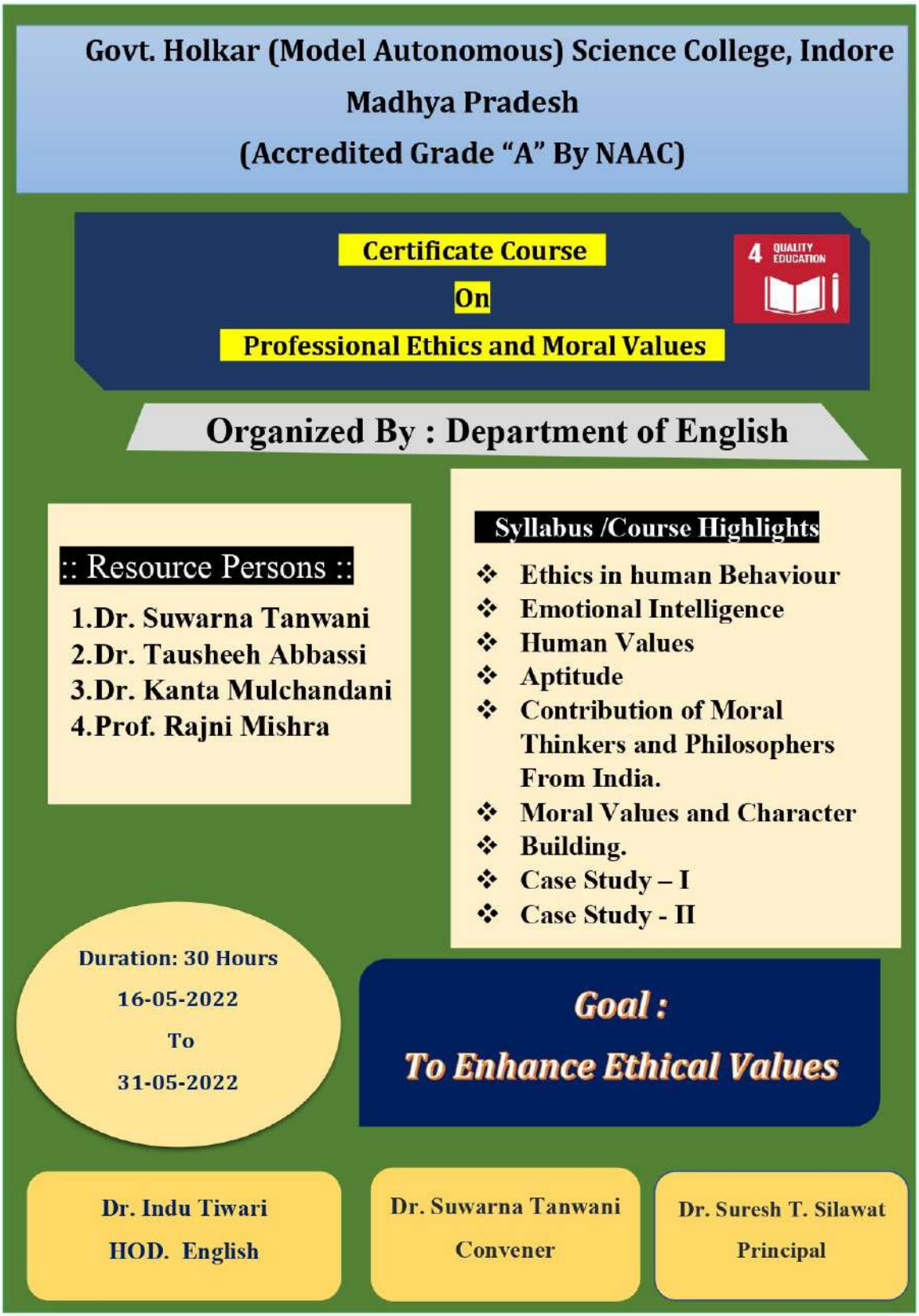
Coordinator
Department of Horticulture

Verified by IQAC

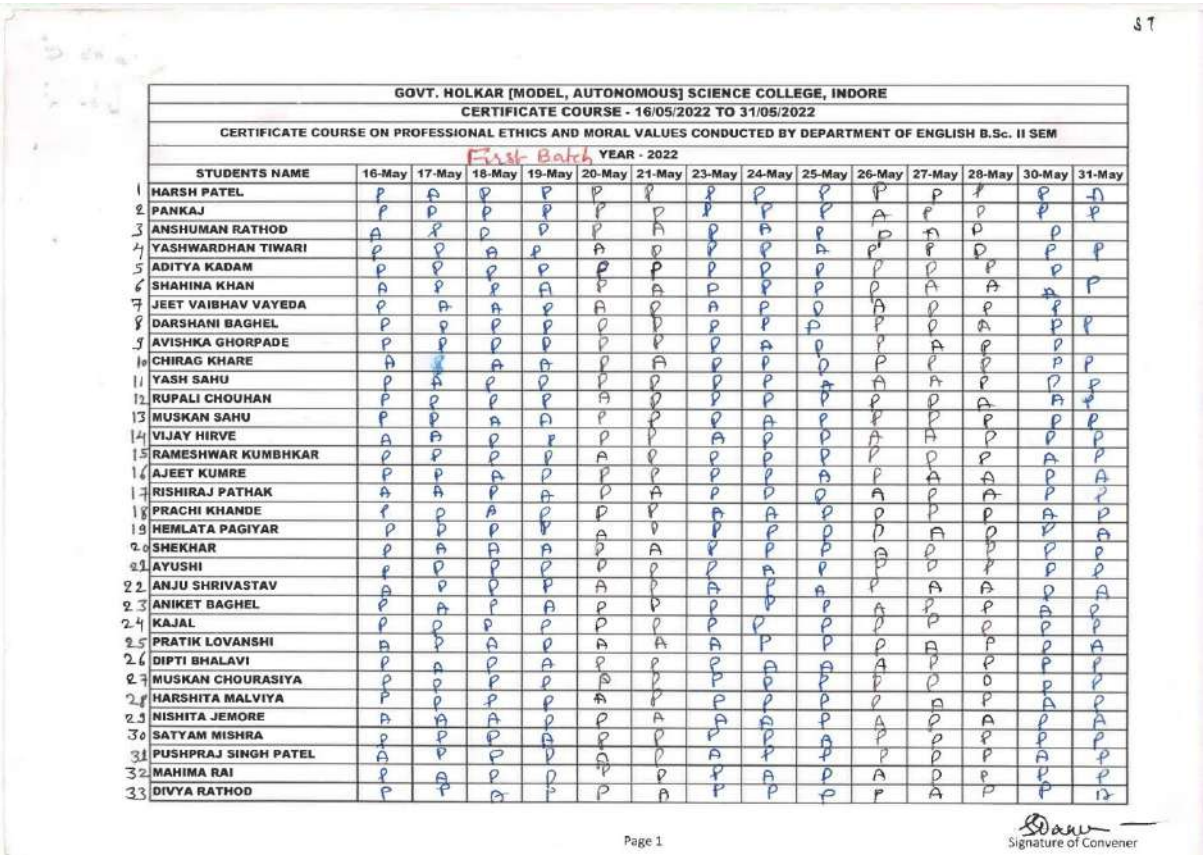
IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

12.
Professional Ethics

12.1 Brochure & Syllabus: -



12.2 Students List: -



GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 16/05/2022 TO 31/05/2022

CERTIFICATE COURSE ON PROFESSIONAL ETHICS AND MORAL VALUES CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. II SEM

First Batch YEAR - 2022

	STUDENTS NAME	16-May	17-May	18-May	19-May	20-May	21-May	23-May	24-May	25-May	26-May	27-May	28-May	30-May	31-May
1	HARSH PATEL	P	A	P	P	P	P	P	P	P	P	P	P	P	P
2	PANKAJ	P	P	P	P	P	P	P	P	P	A	P	P	P	P
3	ANSHUMAN RATHOD	A	P	P	P	P	A	P	A	P	P	P	P	P	
4	YASHWARDHAN TIWARI	P	P	A	P	A	P	P	P	A	P	P	P	P	P
5	ADITYA KADAM	P	P	P	P	P	P	P	P	P	P	P	P	P	
6	SHAHINA KHAN	A	P	P	A	P	A	P	P	P	P	A	A	A	P
7	JEET VAIBHAV VAYEDA	P	A	A	P	A	P	A	P	P	A	P	P	P	
8	DARSHANI BAGHEL	P	P	P	P	P	P	P	P	P	P	P	A	P	P
9	AVISHKA GHORPADE	P	P	P	P	P	P	P	A	P	P	A	P	P	
10	CHIRAG KHARE	A	A	A	A	P	A	P	P	P	P	P	P	P	P
11	YASH SAHU	P	A	P	P	P	P	P	P	A	A	A	P	P	P
12	RUPALI CHOUHAN	P	P	P	P	A	P	P	P	P	P	P	A	A	P
13	MUSKAN SAHU	P	P	A	A	P	P	P	A	P	P	P	P	P	P
14	VIJAY HIRVE	A	A	P	P	P	P	A	P	P	A	A	P	P	P
15	RAMESHWAR KUMBHKAR	P	P	P	P	A	P	P	P	P	P	P	P	A	P
16	AJEET KUMRE	P	P	A	P	P	P	P	P	A	P	A	A	P	A
17	RISHIRAJ PATHAK	A	A	P	A	P	A	P	P	P	A	P	A	P	P
18	PRACHI KHANDE	P	P	A	P	P	P	A	A	P	P	P	P	A	P
19	HEMLATA PAGIYAR	P	P	P	P	A	P	P	P	P	P	A	P	P	A
20	SHEKHAR	P	A	A	A	P	A	P	P	P	A	P	P	P	P
21	AYUSHI	P	P	P	P	P	P	P	A	P	P	P	P	P	P
22	ANJU SHRIVASTAV	A	P	P	P	A	P	A	P	A	P	A	A	P	A
23	ANIKET BAGHEL	P	A	P	A	P	P	P	P	P	A	P	P	A	P
24	KAJAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	PRATIK LOVANSHI	A	P	A	P	A	A	A	P	P	P	A	P	P	A
26	DIPTI BHALAVI	P	A	P	A	P	P	P	A	A	A	P	P	P	P
27	MUSKAN CHOURASIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	HARSHITA MALVIYA	P	P	P	P	A	P	P	P	P	P	A	P	A	P
29	NISHITA JEMORE	A	A	A	P	P	A	A	A	P	A	P	A	P	A
30	SATYAM MISHRA	P	P	P	A	P	P	P	P	A	P	P	P	P	P
31	PUSHPRAJ SINGH PATEL	A	P	P	P	A	P	A	P	P	P	P	P	A	P
32	MAHIMA RAI	P	A	P	P	P	P	P	A	P	A	P	P	P	P
33	DIVYA RATHOD	P	P	A	P	P	A	P	P	P	P	A	P	P	P

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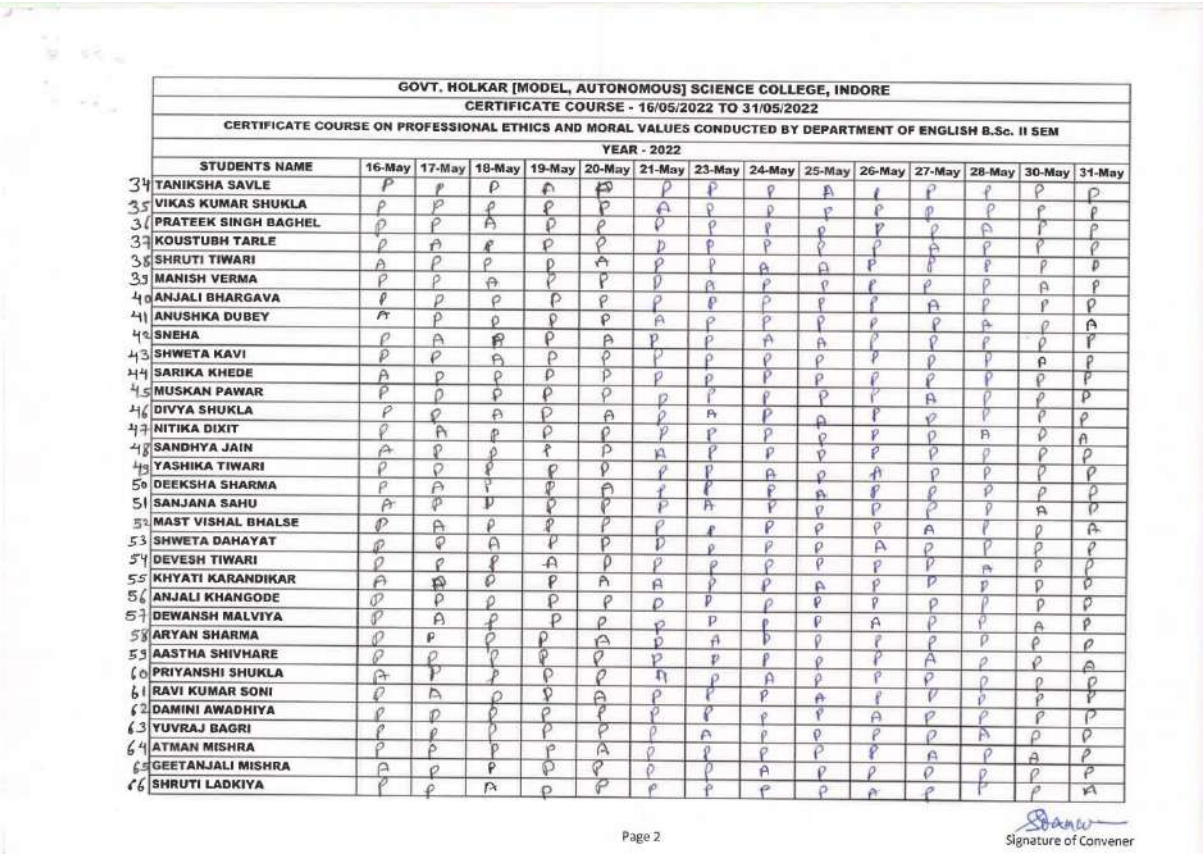
Signature of Convener



GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 16/05/2022 TO 31/05/2022

CERTIFICATE COURSE ON PROFESSIONAL ETHICS AND MORAL VALUES CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. II SEM

YEAR - 2022

	STUDENTS NAME	16-May	17-May	18-May	19-May	20-May	21-May	23-May	24-May	25-May	26-May	27-May	28-May	30-May	31-May
34	TANIKSHA SAVLE	P	P	P	A	P	P	P	P	A	P	P	P	P	P
35	VIKAS KUMAR SHUKLA	P	P	P	P	P	A	P	P	P	P	P	P	P	P
36	PRATEEK SINGH BAGHEL	P	P	A	P	P	P	P	P	P	P	P	A	P	P
37	KOUSTUBH TARLE	P	A	P	P	P	P	P	P	P	P	P	A	P	P
38	SHRUTI TIWARI	A	P	P	P	A	P	P	A	A	P	P	P	P	P
39	MANISH VERMA	P	P	A	P	P	P	A	P	P	P	P	P	P	P
40	ANJALI BHARGAVA	P	P	P	P	P	P	P	P	P	P	P	A	P	P
41	ANUSHKA DUBEY	A	P	P	P	P	A	P	P	P	P	P	A	P	A
42	SNEHA	P	A	P	P	A	P	P	A	A	P	P	P	P	P
43	SHWETA KAVI	P	P	A	P	P	P	P	P	P	P	P	P	A	P
44	SARIKA KHEDE	A	P	P	P	P	P	P	P	P	P	P	P	P	P
45	MUSKAN PAWAR	P	P	P	P	P	P	P	P	P	P	A	P	P	P
46	DIVYA SHUKLA	P	P	A	P	A	P	A	P	A	P	P	P	P	P
47	NITIKA DIXIT	P	A	P	P	P	P	P	P	P	P	P	A	P	A
48	SANDHYA JAIN	A	P	P	P	P	A	P	P	P	P	P	P	P	P
49	YASHIKA TIWARI	P	P	P	P	P	P	P	A	P	A	P	P	P	P
50	DEEKSHA SHARMA	P	A	P	P	A	P	P	P	A	P	P	P	P	P
51	SANJANA SAHU	A	P	P	P	P	P	A	P	P	P	P	P	A	P
52	MAST VISHAL BHALSE	P	A	P	P	P	P	P	P	P	P	A	P	P	A
53	SHWETA DAHAYAT	P	P	A	P	P	P	P	P	P	A	P	P	P	P
54	DEVESH TIWARI	P	P	P	A	P	P	P	P	P	P	P	A	P	P
55	KHYATI KARANDIKAR	A	A	P	P	A	A	P	P	A	P	P	P	P	P
56	ANJALI KHANGODE	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	DEWANSH MALVIYA	P	A	P	P	P	P	P	P	P	A	P	P	A	P
58	ARYAN SHARMA	P	P	P	P	A	P	A	P	P	P	P	P	P	P
59	AASTHA SHIVHARE	P	P	P	P	P	P	P	P	P	P	A	P	P	A
60	PRIYANSHI SHUKLA	A	P	P	P	P	A	P	A	P	P	P	P	P	P
61	RAVI KUMAR SONI	P	A	P	P	A	P	P	P	A	P	P	P	P	P
62	DAMINI AWADHIYA	P	P	P	P	P	P	P	P	P	A	P	P	P	P
63	YUVRAJ BAGRI	P	P	P	P	P	P	A	P	P	P	P	A	P	P
64	ATMAN MISHRA	P	P	P	P	A	P	P	P	P	P	P	A	P	P
65	GEETANJALI MISHRA	A	P	P	P	P	P	P	A	P	P	P	P	A	P
66	SHRUTI LADKIYA	P	P	A	P	P	P	P	P	P	A	P	P	P	A

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GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 16/05/2022 TO 31/05/2022

CERTIFICATE COURSE ON PROFESSIONAL ETHICS AND MORAL VALUES CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. II SEM

YEAR - 2022

	STUDENTS NAME	16-May	17-May	18-May	19-May	20-May	21-May	23-May	24-May	25-May	26-May	27-May	28-May	30-May	31-May
67	VINEET KUMAR PATHAK	P	P	P	P	P	P	P	P	P	P	P	P	P	P
68	VIDYA	P	P	P	A	P	P	P	P	P	P	P	P	P	P
69	ANIKET YADAV	P	P	P	P	P	P	A	P	P	P	A	P	A	A
70	PATEL KHUSHBU PRABHUDAYAL	P	P	A	P	A	P	P	P	P	P	P	P	P	P
71	ANITA RAWAT	A	P	P	P	P	P	P	P	A	P	P	A	P	P
72	NANDNEE MUKATI	P	P	P	P	P	A	P P	P	P	P	P	P	P	A
73	KHUSHBU KHANGE	P	A	P	P	P	P	A	P	P	P	P	P	P	P
74	SANJAY	P	P	P	P	P	A	P	P	P	A	P	P	A	P
75	SWASTI JAIN	P	P	P	P	A	P	P	P	P	P	A	P	P	A
76	GEETIKA JHARE	P	A	P	P	P	P	P	P	P	P	P	P	P	P
77	ABHIJEET SAURAV	A	P	A	P	P	P	P	P	P	P	P	A	P	P
78	NITIN	P	P	P	A	P	A	P	P	P	A	P	P	P	A
79	RAMBABU DANGI	P	P	P	P	P	P	P	P	A	P	P	P	A	P
80	NISHA DANGI	P	P	P	A	P	P	P	P	P	P	P	P	P	P
81	ABHISHEK PATEL	A	P	P	P	P	P	P	P	P	P	P	P	P	A
82	ANAND KUMAR PATEL	P	A	A	P	A	A	P	P	P	P	P	P	P	P
83	YASHWANT MALVIYA	P	P	P	P	P	P	A	P	P	A	P	P	A	P
84	PAVAN SURAGE	P	P	A	P	P	P	P	P	A	P	A	P	P	P
85	VARUN NAMDEV	P	P	P	P	P	P	A	P	P	P	P	P	P	P
86	PRIYANKA DAWAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
87	OMPRAKASH	A	P	P	P	P	P	P	P	P	P	P	P	A	A
88	ABHISHEK LOVANSHI	P	P	P	P	P	P	P	P	A	P	A	P	P	P
89	AYUSHI JAMRA	P	A	P	P	A	P	A	P	P	P	P	P	P	P
90	KIRAN SHAKTAWAT	P	P	P	P	P	P	P	P	P	P	A	P	P	P
91	RACHIT LODHI	P	P	P	P	P	P	P	P	P	A	P	P	A	P
92	RAHUL	P	P	A	P	P	A	P	P	A	P	P	P	P	P
93	RASHMI MARAVI	P	P	P	P	P	P	P	A	P	P	P	A	P	A
94	GULSHAN UIKEY	A	P	P	A	P	P	A	P	P	P	P	P	P	P
95	KARAN AHIRWAR	P	P	P	P	P	P	P	P	A	P	P	A	A	P
96	AANANDPRASAD	P	A	P	P	P	A	P	P	P	P	P	P	P	P
97	NEERAJ MAHOR	P	P	A	P	P	P	P	P	P	A	A	P	P	A
98	ROHIT BAGHEL	P	P	P	P	A	A	P	P	P	P	P	P	P	P
99	NEHA	P	A	P	P	A	P	P	P	P	P	P	P	A	P

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Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 16/05/2022 TO 31/05/2022

CERTIFICATE COURSE ON PROFESSIONAL ETHICS AND MORAL VALUES CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. II SEM

YEAR - 2022

	STUDENTS NAME	16-May	17-May	18-May	19-May	20-May	21-May	23-May	24-May	25-May	26-May	27-May	28-May	30-May	31-May
100	MAHIMA JOSHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
101	SIMRAN KABIRPANTHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
102	NEELAM SHARMA	P	P	P	P	P	P	A	P	P	P	P	P	P	P
103	NIRANJAN THAKUR	P	A	P	P	P	P	P	A	P	P	P	A	P	P
104	VISHAL PATEL	P	P	P	P	P	P	P	P	P	P	P	P	P	P
105	HARSH DANGI	A	P	P	P	P	P	P	P	P	P	P	P	P	P
106	DIMPLE SAHU	P	P	P	P	A	P	P	P	P	P	P	A	P	P
107	RAJTILAK SINGH SOLANKI	P	P	P	P	P	P	P	P	P	P	P	A	P	P
108	ARJUN VASUNIYA	P	P	P	P	P	P	A	P	P	P	P	P	P	P
109	PRABHU BAGHEL	P	P	P	P	P	P	P	P	P	P	P	A	P	P
110	UMA DAWAR	P	P	P	P	P	P	P	P	P	P	P	P	P	A
111	ROHIT KIRADE	P	P	P	A	P	P	P	P	P	P	P	P	P	P
112	SANGEETA	P	P	P	P	P	P	P	P	A	P	P	P	P	P
113	VANDANA BAWASKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
114	BADAL KATARE	A	P	P	P	P	P	P	P	P	P	A	P	P	P
115	LOKESH KHARTE	P	P	A	P	P	P	A	P	P	P	P	P	P	P
116	POOJA MANDLOI	P	P	P	P	P	P	P	A	P	P	P	P	P	P
117	KIRAN NARVE	P	A	P	P	P	P	P	P	P	A	A	A	P	P
118	SALONI KUSHWAHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
119	PRIYA PRAJAPATI	A	P	P	P	A	A	P	P	A	P	P	P	P	P
120	DHRUTI ACHARYA	P	A	P	P	P	P	P	P	P	P	P	P	A	P
121	LAXMI RAWAT	P	P	P	P	P	P	P	A	P	P	P	P	P	P
122	SAHIL KOURAV	P	P	P	P	P	P	A	P	P	P	P	A	P	P
123	MAJEED KHAN PATHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
124	SUDHANSHU TRIPATHI	P	P	P	P	A	P	P	P	P	A	P	P	P	A
125	HONEY PATIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P
126	BHAVESH MATHANKAR	P	P	A	P	P	P	P	P	P	P	P	P	P	P
127	PIYUSH PANDRAM	P	A	P	P	P	P	P	A	P	P	P	A	P	P
128	PRACHI PANDRAM	P	P	P	A	P	P	P	P	P	P	P	P	P	P
129	VIVEK SANODIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
130	MAHIMA PATIDAR	P	P	P	P	P	P	P	P	A	P	P	P	A	P
131	PRAMOD SAHU	P	P	P	P	P	P	P	P	P	P	P	P	P	P
132	DIKSHA KHATRI	P	P	P	P	P	P	P	P	P	P	P	A	P	P

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Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 16/05/2022 TO 31/05/2022

CERTIFICATE COURSE ON PROFESSIONAL ETHICS AND MORAL VALUES CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. II SEM

YEAR - 2022

	STUDENTS NAME	16-May	17-May	18-May	19-May	20-May	21-May	23-May	24-May	25-May	26-May	27-May	28-May	30-May	31-May
133	KALASH VERMA	P	P	P	P	A	P	P	P	P	P	P	P	P	A
134	PRIYA MALVIYA	P	P	P	P	P	P	P	P	P	P	P	A	P	P
135	BHUMIKA CHOUDHARY	A	P	P	P	P	A	P	P	P	P	P	P	P	P
136	ADITYA PAL	P	P	P	A	P	P	P	A	P	A	P	P	A	P
137	KAVYA JAIN	P	P	A	P	P	P	A	P	P	P	P	P	P	P
138	AVISHEE DUBEY	P	P	P	P	P	A	P	P	P	P	A	P	P	P
139	ASHUTOSH MISHRA	A	P	P	P	A	P	P	P	P	P	P	P	A	P
140	ANUSHREE POTAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
141	ANANYA VYAS	P	P	P	P	P	P	P	A	P	P	P	A	P	A
142	SONALIKA RAWAT	A	P	P	P	P	P	P	P	P	P	P	P	P	P
143	VISHWAS THAKUR	P	P	P	A	P	P	P	P	P	A	P	P	P	P
144	ARVIND DAMOR	P	P	P	P	P	A	P	P	P	P	A	P	A	P
145	YUVRAJ	P	P	P	P	P	P	P	P	P	P	P	P	P	P
146	ARYAN CHATURVEDI	A	P	A	P	P	P	P	P	P	P	P	A	A	P
147	DEVENDRA KUMAR DHURWEY	P	P	P	P	P	P	A	P	A	P	P	P	P	P
148	HARDIK NAYAK	P	P	P	P	A	P	P	P	P	P	A	P	P	P
149	SRASHTI JAITWAR	P	P	P	P	P	A	P	P	P	A	P	P	P	P
150	NATASHA GANAWA	P	P	P	P	P	P	P	P	A	P	A	P	A	P
151	SANSKRITI JAIN	A	P	P	P	P	P	A	P	P	P	P	P	P	P
152	TARUN	P	P	P	A	P	P	P	P	P	P	P	P	P	P
153	RACHNA GOTWAL	P	P	P	P	P	P	P	A	P	A	P	A	P	A
154	MAMTA DUDWE	P	P	A	P	A	P	P	P	P	P	P	P	A	P
155	JAGDISH NARGAVE	P	P	P	P	P	A	P	P	A	P	P	P	P	P
156	SURYA RAJPUT	P	P	P	P	P	P	A	P	P	P	A	P	P	P
157	ANIL BALODIYA	A	P	A	P	P	P	P	P	P	A	P	P	P	P
158	SOORAJ KUMAR PATIDAR	P	P	P	P	A	P	P	P	A	P	A	P	A	P
159	KOMAL PATIDAR	P	P	P	P	P	A	P	P	P	P	P	P	P	A
160	VIKAS PRAJAPAT	P	P	P	A	P	P	P	P	P	A	P	A	P	P
161	SALONI THAKUR	A	P	A	P	P	P	P	P	P	P	P	P	A	P
162	YOGRAJ KHADE	P	P	P	P	A	P	A	P	A	P	A	P	P	P
163	SNEH JAIN	P	P	P	P	P	A	P	P	P	P	P	P	P	P
164	AFZAL PATEL	A	P	P	P	P	P	P	P	P	A	P	A	P	P
165	ARWA	P	P	P	P	P	P	A	P	P	P	P	P	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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166	AZHAR KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
167	ARSHI KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
168	AMATULLAH BHOJAWALA	P	P	P	P	P	P	P	P	P	P	A	P	A	P
169	VIKAS	P	P	P	P	P	P	P	P	P	A	P	P	P	P
170	KAVITA SEPTA	P	A	P	A	P	P	P	P	A	P	P	A	P	P
171	KSHITIJ DAMOR	A	P	P	P	A	A	P	P	P	P	P	P	P	A
172	VASUNDHARA	P	P	A	P	P	P	P	P	P	P	A	P	P	P
173	AJIT DOYDA	P	P	P	P	P	P	P	P	P	A	P	P	A	P
174	KUNAL PAWAR	A	P	P	P	P	P	P	P	A	P	P	P	P	P
175	YOGESH SOLANKI	P	P	P	A	P	P	P	P	P	P	P	P	P	P
176	KAVITA KANASH	P	A	P	P	P	A	P	P	P	P	A	P	P	P
177	GAJENDRA	P	P	P	P	A	P	P	P	P	P	P	P	P	P
178	SACHIN RAJPUT	A	P	A	P	P	P	P	P	P	P	P	A	P	P
179	YASHPAL	P	P	P	P	P	P	P	P	A	P	P	P	P	A
180	MANU SAWASIYA	A	P	P	A	P	P	P	P	P	A	P	P	P	P
181	ANIKET KUSHWAHA	P	P	P	P	A	A	P	P	P	P	A	P	P	P
182	KAPIL PATIDAR	A	P	P	P	P	P	P	P	P	P	P	P	A	P
183	HITESHI PATIDAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
184	SUNEEL KUMAR YADAV	P	A	P	P	P	P	P	P	P	P	P	P	P	A
185	VISHAL GOSWAMI	P	P	P	A	P	A	P	P	A	A	P	A	P	P
186	PRANJAL MALVIYA	A	P	P	P	A	P	P	P	P	P	A	P	P	A
187	DIMPLE CHOUHAN	P	P	P	P	P	P	P	P	P	A	P	P	P	P
188	PAVAN CHOURASIYA	P	P	P	P	P	P	P	P	A	P	P	A	P	P
189	HIMANI DARWAI	P	P	A	A	P	P	P	P	P	P	P	P	P	P
190	HIMANSHI PARDHE	P	P	P	P	P	P	P	P	P	P	P	A	A	P
191	SHIVANSH SINGH THAKUR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
192	NAYAN VERMA	A	P	P	P	P	P	P	P	A	P	P	P	P	A
193	YASHIKA YADAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P
194	GANESH OSARI	P	P	A	P	A	P	P	P	P	P	P	P	P	A
195	ROHIT	P	P	P	A	P	A	P	P	P	P	P	P	P	P
196	SANDEEP WASKEL	A	P	P	P	P	P	P	P	A	P	A	P	A	P
197	HITESH KUMAR SAHU	P	P	P	P	P	P	A	P	P	P	P	A	P	P
198	ROHIT AWASE	A	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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199	PRATIKSHA BHATI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
200	KARAN AHIRWAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
201	GOUTAM BARMAN	P	P	P	P	P	P	A	P	P	P	P	P	P	P
202	SHWETA GAUTAM	A	P	P	A	P	A	P	P	A	A	A	A	P	P
203	DEEPAK SAHU	P	P	P	P	A	P	P	P	P	A	P	P	P	A
204	VINEET KUMAR MISHRA	P	A	P	P	P	P	P	A	P	P	P	P	P	P
205	PRIYANKA	P	P	P	P	P	P	P	P	P	P	P	P	A	P
206	JAIKI GOUR	P	P	P	A	P	A	P	P	A	P	P	P	P	P
207	DEVENDRA VATKE	A	P	P	P	P	P	A	P	P	P	P	P	P	P
208	DEEPAK MEHTA	P	P	A	P	A	P	P	P	P	A	A	A	P	P
209	AIJUB ANSARI	P	P	P	P	P	P	P	A	P	P	P	P	A	P
210	DURGA SHANKAR	P	P	P	P	P	P	A	P	P	P	P	P	P	A
211	NITYA ARYA	P	A	P	P	P	P	P	P	P	P	P	P	P	P
212	ROHIT DAWANDE	P	P	P	A	A	P	P	P	P	A	P	P	P	P
213	PRIYANSH JYOTISHI	A	P	P	P	P	P	P	P	A	P	P	A	P	P
214	MAHAK MEENA	P	A	P	P	P	A	P	P	P	P	P	P	P	A
215	TANISHA PAL	P	P	A	P	P	P	A	P	P	P	A	P	A	P
216	SALONI PANCHAL	P	P	P	A	P	P	P	P	P	P	P	P	P	P
217	LIZA PATEL	P	P	P	P	A	P	P	P	P	P	P	P	P	P
218	TARUNA PATEL	A	P	P	P	P	P	P	A	A	P	P	P	P	A
219	ANUSHKA PATIL	P	P	P	P	P	P	P	P	A	A	P	P	P	P
220	YASHWANT RATHORE	P	P	P	P	P	A	A	P	P	A	P	A	P	A
221	YASH PAL SINGH SOLANKI	P	A	P	P	P	P	P	P	P	P	A	P	P	P
222	RAJENDRA BHANWAR	P	P	A	P	A	A	P	P	P	P	P	P	A	P
223	SHYAMBABU DHANGAR	P	P	P	A	P	P	P	A	P	P	P	P	P	P
224	HRITIK JAIN	A	P	P	P	P	P	P	P	P	P	P	A	P	P
225	KUSMA RAWAT	P	P	P	P	P	A	A	P	P	P	A	P	P	P
226	PAVAN PATEL	P	A	P	P	P	P	P	P	P	P	P	P	P	A
227	MEGHA BITHORE	P	P	P	P	P	P	P	P	P	A	P	P	A	P
228	SHRADDHA SINGH DIKHIT	A	P	P	P	P	P	P	P	P	P	P	A	P	P
229	DEVRAJ RAGHUWANSHI	P	A	P	P	P	P	A	P	P	P	P	P	P	P
230	NIVEDITA BANDEWAR	P	P	A	P	P	P	P	P	P	P	P	A	P	P
231	SADAF NAAZ	A	P	P	P	A	A	P	P	P	P	P	P	P	P

Signature of Convener

Second Batch

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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232	GOUTAM KADWAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P
233	RISHABH KUSHWAH	P	P	P	P	P	P	P	P	P	P	P	P	P	P
234	ANUPAMA PATEL	P	P	P	P	P	P	A	P	P	P	A	P	A	P
235	AKSHAT VYAS	P	P	P	P	P	P	P	P	P	P	P	P	P	A
236	NAJMEEN MANSURI	P	P	P	P	P	P	P	P	P	P	P	A	P	P
237	PAVAN CHOUHAN	P	P	P	P	P	P	P	A	P	P	P	P	P	P
238	MAYANK JEENWAL	P	P	P	P	P	P	P	P	A	A	P	P	A	P
239	PAYAL	P	P	P	A	P	A	A	P	P	A	A	P	P	P
240	LALITA JAIN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
241	VILASH KASDEY	P	P	P	P	P	P	P	P	P	A	P	P	P	P
242	KALAM SINGH	P	P	P	A	P	P	P	P	P	P	P	P	A	P
243	REENA BAGHEL	P	P	P	P	A	P	P	P	P	P	P	P	P	A
244	SUMIRAN DAMOR	P	P	P	P	P	A	P	A	A	P	P	A	P	P
245	SAGAR RAHANGDALE	P	P	P	P	P	P	P	P	P	P	A	P	A	P
246	SURAJ BADOLE	P	P	P	A	P	P	P	P	P	P	P	P	P	P
247	ANUSHKA VARDIYA	P	P	P	P	P	P	A	P	P	P	P	P	P	P
248	NANDITA CARPENTER	P	P	P	P	P	P	P	P	P	P	P	A	P	P
249	SACHIN CHOUDHARY	P	P	P	P	P	P	P	P	P	A	P	P	P	P
250	SACHIN CHOUHAN	P	P	P	A	P	A	A	P	P	P	A	P	P	A
251	PANKAJ KANADE	P	P	P	P	A	P	P	A	A	P	P	P	P	P
252	NARESH KASTVAR	P	P	P	P	P	P	P	P	P	P	P	A	P	P
253	AYUSHI KINGE	P	P	P	P	P	P	P	P	P	P	P	P	P	P
254	SHANU RAWAT	P	P	P	P	A	A	P	P	P	P	A	P	A	P
255	MAYANK SHEWALE	P	P	P	A	P	P	P	P	P	P	P	P	P	A
256	SHIVANGI SHRIVASTAVA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
257	ABHAY PRATAP SINGH GAHARW	P	P	P	P	P	P	P	A	P	P	P	A	P	P
258	CHANDA CHOUHAN	P	P	P	P	P	A	P	P	P	P	P	P	A	P
259	PRIYA	A	P	P	A	P	P	P	P	P	P	P	P	P	A
260	NAVITA KATARA	P	P	P	P	P	P	P	P	P	P	P	A	P	P
261	BHAVNA	P	P	P	P	P	A	A	P	P	P	P	P	P	A
262	LAKSHA JAIN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
263	TULSI RAM	P	P	P	P	P	P	P	P	P	P	P	A	P	P
264	JITENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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265	RUPALI MOURYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
266	ABHISHEK KANADE	P	P	P	P	P	P	P	P	P	P	P	P	P	P
267	PREETI NIMBHORE	P	P	A	P	P	P	P	P	P	P	P	A	P	P
268	MANISH JATAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P
269	PREETI SINGH	P	P	P	A	P	A	A	P	A	A	P	P	A	P
270	SHILPA BHAYDIYA	P	P	P	P	P	P	P	P	P	A	P	P	P	P
271	SHWETA GUPTA	P	P	A	P	P	P	P	P	P	P	A	P	P	P
272	ARIHANT JAIN	P	P	P	P	P	P	P	A	P	P	P	A	P	P
273	ANKIT ARYA	P	P	P	P	P	A	P	P	P	P	P	P	P	P
274	SHRUTI BAMANIA	P	P	P	A	P	P	P	A	A	P	A	P	P	A
275	VIJAYANCHAL DAHAYAT	P	P	A	P	A	P	P	P	P	P	P	P	P	P
276	DIVYANSHU GUPTA	P	P	P	P	P	P	P	P	P	P	P	P	A	P
277	RITURAJ PATIDAR	P	P	P	P	P	A	A	P	P	P	P	A	P	P
278	DURGESH PRATAP SINGH	P	P	A	P	P	P	P	P	P	A	P	P	P	P
279	NISHA GUPTA	P	P	P	P	P	P	P	P	P	P	A	P	P	P
280	HARSHIKA RATHOR	P	P	P	A	P	P	P	P	P	P	P	P	A	P
281	MONIKA GANAWAT	P	P	P	P	A	P	P	P	P	P	P	A	P	P
282	NIKIT	P	P	A	P	P	A	P	P	A	P	P	P	P	A
283	NIRMAL THATE	P	P	P	P	P	P	A	P	P	P	P	P	P	P
284	MANDVI MANDLOI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
285	ABHAY PRATAP MISHRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
286	MOHIT VERMA	P	P	P	A	P	P	A	P	P	P	P	P	P	P
287	DIVYA DUBEY	P	P	A	P	P	P	P	P	P	P	A	P	P	P
288	KULJIT	P	P	P	A	P	P	P	A	P	A	P	P	P	P
289	NAIZA KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
290	JYOTI PARIHAR	P	P	A	P	P	A	P	P	P	P	P	P	P	P
291	VISHAL BHURIYA	P	P	P	P	P	P	P	A	P	P	P	P	A	P
292	KHUSHI RATHORE	P	P	P	P	P	P	A	P	P	P	P	A	P	P
293	GOUTAM VERMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
294	SALONI SOLANKI	P	P	A	P	P	P	P	P	P	P	P	P	P	P
295	AAYUSHI SINGH	P	A	P	P	P	P	P	P	P	P	P	P	P	P
296	VINAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P
297	SOUMYA SINGH	P	P	A	P	P	A	A	P	P	P	P	A	P	P

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298	ALIYA FATIMA QURESHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
299	ASHITA JAMES	P	A	P	P	P	P	P	P	P	P	P	P	P	A
300	ABHISHEK BERMAN	P	P	P	P	P	P	P	A	P	P	P	A	P	P
301	SHITAL	P	P	A	P	A	P	A	P	P	P	P	P	P	P
302	AMIT CHOUDHARY	P	P	P	A	P	A	P	P	A	P	A	P	P	P
303	AYUSH CHOUDHARY	P	A	P	P	P	P	P	P	P	P	P	A	P	P
304	RUCHIKA DHOTE	A	P	P	P	P	P	P	A	P	P	P	P	P	P
305	GAGAN DHOTE	P	P	P	P	P	P	P	P	P	A	P	P	P	P
306	PALLAVI GUPTA	P	P	A	P	P	P	P	P	P	P	P	P	A	P
307	SACHIN JAMLE	P	A	P	A	P	P	P	P	P	P	P	P	P	P
308	VIVEK KANPURE	A	P	P	P	A	P	P	A	P	P	P	A	P	P
309	MOHIT KUSHWAH	P	P	P	P	P	P	A	P	A	P	P	P	P	A
310	ASHWINI SISODIYA	P	P	A	P	P	P	P	P	P	A	A	P	A	P
311	RAJ SOLANKI	A	P	P	A	P	P	P	P	P	P	A	P	P	P
312	RAVI SONAVE	P	P	P	P	P	P	P	P	P	P	P	P	A	P
313	NITESH SONGIRE	P	P	P	P	P	P	P	P	P	P	P	P	P	P
314	DHARMENDRA VISHVAKARMA	P	A	P	P	P	P	A	P	P	A	P	P	P	A
315	KAJU	A	P	P	P	A	P	P	P	P	P	P	A	P	P
316	ANKUSH KUMAR THAKURIYA	P	P	P	P	P	P	P	A	P	P	P	P	P	P
317	BHARAT KALESH	P	P	A	P	P	P	P	P	P	P	P	P	P	P
318	RANU KHANGE	P	P	P	P	P	P	A	P	A	P	P	P	P	P
319	VANSH LAKHARA	A	P	A	P	P	P	P	P	P	P	P	P	P	A
320	ANKIT BHALSE	P	A	P	A	P	P	P	P	P	P	P	A	P	P
321	AMAN GUPTA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
322	VAIBHAV KHODE	A	P	P	P	P	P	A	P	P	P	P	P	P	P
323	KHUSHI PANDEY	P	A	P	P	P	P	P	P	P	P	P	P	P	P
324	SHIKHA PATIDAR	P	P	P	P	P	P	P	P	P	P	P	A	P	P
325	SURENDRA PATIDAR	A	P	A	P	P	P	P	A	P	P	P	P	A	P
326	GUNJAN RAMCHANDANI	P	P	P	P	P	P	P	P	P	P	P	A	P	P
327	KRISHNA SANKHALA	P	P	P	P	P	P	A	P	P	P	P	P	P	P
328	SWATI SEN	P	P	P	P	P	P	P	P	A	P	P	P	P	P
329	RIYA SINGH	A	P	A	P	P	P	P	P	P	P	P	P	P	P
330	ROVIN TIRELAY	P	P	P	P	P	P	A	P	P	P	P	P	A	P

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Signature of Convener

Third Batch

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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331	VIKAS YADAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P
332	VAISHALI KORI	P	P	P	P	P	P	P	P	P	P	P	D	P	P
333	ROHAN SINGH CHOUHAN	P	P	A	P	P	P	D	P	P	A	P	P	P	P
334	HARDIKA GAUD	A	P	P	A	P	A	D	P	P	P	A	A	P	P
335	LOKESH KUMAR	P	P	P	P	A	P	P	P	P	P	P	P	P	A
336	OM PATIDAR	P	A	P	P	P	P	P	P	P	P	P	P	P	P
337	LAXMAN	P	P	P	P	P	P	P	P	P	P	P	A	P	P
338	MANISHA VERMA	P	P	P	P	P	P	P	A	A	P	P	D	P	P
339	PRIYA BORDIYA	P	P	P	P	P	A	P	P	P	A	P	D	A	P
340	YASHWANT MADANIYA	P	A	P	P	A	P	P	P	P	P	A	P	P	P
341	BABLI YADAV	P	P	P	A	P	P	A	P	P	P	P	P	P	P
342	RAKSHANDA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
343	BHANU	P	P	P	P	P	P	P	P	P	P	P	P	P	A
344	SHIVAM KOCHALE	P	P	P	P	P	P	P	P	A	A	P	P	P	P
345	ANKIT	A	P	P	P	P	P	P	P	P	P	P	A	P	P
346	PRITI RATHOUR	P	P	A	P	P	P	A	P	P	P	A	P	P	P
347	SAKSHI PARIYANI	P	P	P	P	P	A	P	P	P	P	A	P	A	P
348	YASH PATEL	P	P	P	A	P	P	P	P	P	P	P	P	P	P
349	MADHUSUDAN PATIDAR	A	P	P	P	P	P	A	P	P	P	P	P	P	P
350	CHETNA PRAJAPATI	P	P	A	P	P	P	P	P	P	A	P	P	P	P
351	SACHIN CHOUHAN	P	P	P	P	P	A	P	P	A	P	P	P	P	P
352	SANJAY	A	P	P	P	P	P	P	P	P	P	P	P	A	P
353	AMATULLAH RATLAM WALA	P	P	P	P	P	P	P	A	P	P	P	P	P	P
354	ROHIT CHOUDHARY	P	P	P	P	P	P	P	P	P	P	P	A	P	P
355	HARSHA SOMANKAR	P	A	P	P	P	P	P	P	P	P	P	P	P	A
356	SAKSHI PANDEY	P	P	P	A	P	P	P	P	A	P	P	P	P	P
357	NARAYAN TIWARI	P	P	P	P	A	P	A	P	P	P	P	A	P	P
358	NISHA PATEL	A	P	P	P	P	P	P	P	P	P	P	P	P	P
359	MUSKAN NAVRETI	P	P	P	P	P	P	P	P	P	P	A	P	A	P
360	RAHUL SOLANKI	P	P	A	P	P	P	P	P	P	P	P	P	P	P
361	RANGU MUJALDE	P	P	P	P	P	P	P	P	P	P	P	P	P	A
362	DIKSHA SUNHARE	P	P	P	P	P	P	P	A	P	P	P	P	P	P
363	ARCHIT VYAS	A	P	P	P	P	P	P	P	P	P	P	A	P	P

Signature of Convener

Fifth Batch

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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529	SARLA PRAJAPATI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
530	GAUTAM KHADE	P	P	P	P	P	P	P	P	P	P	P	P	P	A
531	ROHIT	P	P	P	P	P	P	P	P	P	A	P	P	P	A
532	ARUN DAWAR	P	P	A	P	A	P	A	A	P	P	P	P	P	P
533	ARVIND BARDE	A	P	P	P	P	P	P	P	A	P	A	P	P	P
534	AASTHA JHALA	P	P	P	A	P	P	P	P	P	A	P	P	P	P
535	NIKESH CHOUHAN	P	A	P	P	A	P	A	P	P	P	P	P	A	A
536	DIPESH DHOTE	P	P	P	P	P	P	P	P	P	P	P	P	P	A
537	MAHI SHRIVASTAVA	A	P	P	P	P	A	P	P	A	P	P	P	P	A
538	PRAGYA	P	P	A	A	P	P	P	A	A	A	P	P	P	P
539	SHIVANI DANGI	P	P	P	P	A	P	A	P	P	P	P	A	P	P
540	NAKUL BIHARE	P	A	P	P	P	P	P	P	P	P	P	A	P	P
541	SAHIL NAGWANSHI	P	P	P	A	P	P	P	P	P	P	P	P	A	P
542	LAKHAN SAHARIYA	P	P	P	P	P	P	P	P	P	A	P	P	P	P
543	SIDRA REHMAN	A	P	P	P	P	A	A	A	P	P	P	P	P	P
544	PRATEEKSHA PANDEY	P	P	A	A	P	P	P	A	P	A	P	P	P	P
545	ABHINAV PATIL	P	P	P	P	P	P	P	P	P	P	A	P	P	A
546	SAIYAM JAIN	P	A	P	P	A	P	P	P	A	P	P	P	A	P
547	HARSHITA NAHAR	P	P	P	A	P	P	A	P	P	P	P	P	P	P
548	FALGUNI DWIVEDI	P	P	P	P	A	A	P	P	P	P	P	P	A	P
549	KAJAL SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P
550	PIYUSH NARVE	P	P	A	P	P	P	P	P	P	A	P	A	P	P
551	NANDINI SHARMA	P	P	P	A	A	P	P	P	P	P	A	P	P	A
552	KRISHNA SONI	P	A	P	P	P	A	P	P	P	P	P	P	P	P
553	PRIYANKA BISHT	P	P	P	P	P	P	P	P	P	A	P	P	A	P
554	PANKAJ AWASIYA	P	P	P	P	P	P	P	P	A	A	P	P	P	P
555	ARPITA SINGH	A	P	P	A	P	P	P	P	P	P	P	P	P	P
556	ISHVAREE WALKE	P	P	P	P	P	P	A	P	P	P	A	P	P	P
557	PRAVESH LOVANSHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
558	PIYUSH BHAMORIYA	P	P	P	P	A	P	P	P	P	A	P	P	P	P
559	SOURABH BHILALA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
560	SARITA CHOUHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
561	DIVYAPAL SINGH CHOUHAN	P	P	P	P	P	A	P	A	P	P	P	P	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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562	AKSHITA DAMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
563	PRIYANSHI PANDEY	P	P	P	P	P	P	P	P	P	P	P	P	P	P
564	NIKITA SOLANKI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
565	SHUBHAM SOLANKI	P	A	P	P	A	P	A	P	P	P	P	P	P	P
566	SAKSHI SINGH	A	P	P	P	P	P	P	P	A	P	A	P	A	P
567	LAXMI WASKEL	P	P	A	P	P	A	P	P	P	A	P	A	P	A
568	ALIFA	P	P	P	A	P	P	P	P	P	P	P	P	P	P
569	ARCHITA SEN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
570	MADAN BARDE	P	P	P	A	P	P	P	P	A	P	P	P	P	P
571	SOURABH BHORIYALE	A	P	A	P	A	P	P	P	A	P	P	A	P	P
572	DISHA MALVIYA	P	P	P	P	P	A	A	A	P	P	P	A	A	P
573	VAISHNAVI PIPARKAR	P	A	P	A	P	P	P	P	P	P	P	P	P	A
574	RAHUL GAWALI	P	P	P	P	P	P	P	P	P	A	P	P	P	P
575	VRISHABHI MANGHATE	A	P	P	P	P	P	P	P	P	P	P	P	P	P
576	JITENDRA CHOUHAN	P	P	P	A	A	P	P	A	P	P	A	P	P	P
577	RISHI YADUWANSHI	P	A	A	P	A	P	P	P	A	P	P	A	P	P
578	KUNDAN DHANGAR	P	P	P	P	P	A	P	P	A	P	P	P	P	P
579	RUHEEN KHAN	P	P	P	P	P	P	P	P	P	A	P	P	P	P
580	VARSHA	A	P	P	P	P	P	P	P	P	P	P	P	A	A
581	BALWAN	P	P	P	A	P	P	P	P	P	P	A	P	P	P
582	RAJU NAGAR	P	P	P	P	P	P	A	P	P	P	A	P	P	A
583	KU ANJALI DHAYYA	P	P	P	P	P	P	P	P	P	A	P	P	P	P
584	RAHUL PATEL	A	P	P	P	P	P	P	P	A	P	P	P	P	P
585	SUNITA KUSHWAHA	P	A	P	P	P	P	P	A	P	P	P	A	P	P
586	RAMCHANDRA SAHU	P	P	P	A	P	P	P	P	P	P	P	P	A	P
587	GOUTAM	P	P	A	P	P	P	A	P	A	P	P	P	P	P
588	SHRUTI RAI	P	P	P	P	P	P	P	P	A	A	P	P	P	P
589	TANU SEN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
590	MAHIMA AALUNIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
591	JITENDRA PADVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
592	SAKSHI JAMRA	A	P	P	P	P	A	P	P	P	P	P	P	P	P
593	KANKSHI MALVIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
594	OM PARTETI	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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364	LAXMI AHIRWAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P
365	RADHIKA BHIDE	P	P	P	P	P	P	P	P	P	P	P	P	P	A
366	JYOTI KHAPED	P	P	P	P	P	P	P	P	P	P	A	A	P	P
367	DEEPAK KUMAR NAVRANG	A	P	P	A	P	P	P	P	P	P	P	P	P	P
368	PRACHI SHUKLA	P	P	A	P	P	A	P	P	A	A	P	P	P	A
369	ROHIT SOLANKI	A	P	P	P	A	P	A	P	P	P	P	A	P	P
370	AISHWARYA TOMAR	P	P	P	P	P	P	P	A	P	P	P	P	P	P
371	AKHILESH YADAV	A	A	P	A	P	P	P	P	P	P	A	P	P	P
372	SHIVAM YADAV	P	P	P	A	P	P	A	P	P	P	P	P	P	P
373	GOURAV DHAKAD	P	P	A	P	P	A	P	A	P	A	P	A	P	P
374	SHRIRAM GOYAL	P	P	P	P	A	P	P	P	A	P	A	P	P	P
375	LAXMI JAGLONIYA	P	P	P	P	P	P	A	P	P	P	P	P	P	A
376	DILIP PUSHPAD	A	P	P	P	P	P	P	P	P	P	P	P	P	P
377	TARUN PAVAIYA	P	P	P	P	P	P	P	A	P	P	P	P	P	P
378	NANDANI CHOUDHARY	P	P	P	P	P	P	P	P	P	A	P	A	P	P
379	SHIVANSH MISHRA	P	P	P	A	P	P	P	P	A	P	A	P	A	P
380	SATYAM SAVLE	P	P	P	P	A	P	A	A	P	P	P	P	P	P
381	KULDEEP SURYAVANSHI	P	P	A	P	P	A	P	P	P	P	P	P	A	P
382	APARNA SONI	A	P	P	P	P	P	P	P	P	P	P	A	P	P
383	PAYAL UNDLE	P	P	P	A	P	P	P	P	A	A	P	P	P	P
384	MANISHA BAGHEL	P	A	P	P	P	P	A	A	A	P	A	P	P	P
385	MUKESH MEWADE	P	P	P	P	P	P	P	P	P	P	P	P	A	P
386	SONU VIJAYPURIYA	P	P	P	P	A	P	P	P	P	P	P	P	P	A
387	DISHA DOHARE	A	P	P	P	P	A	P	A	P	P	P	P	P	P
388	ROHIT KANNOJ	P	P	P	A	P	P	A	P	P	P	P	P	P	A
389	RAVINDRA KUMAWAT	P	A	P	P	P	A	P	P	A	P	A	A	P	P
390	SIMRAN NIRALA	A	P	P	P	P	P	A	A	A	A	P	P	P	P
391	YASH RATHOD	P	P	A	P	P	P	P	P	P	P	P	P	P	P
392	TANISHA THAKUR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
393	YUVRAJ	P	P	P	P	P	P	A	A	P	P	P	P	P	P
394	SANGEETA SINGADIYA	A	P	P	P	P	A	P	P	P	P	A	P	A	P
395	ASHWIN CHANDRAWAT	P	P	P	P	P	P	P	P	P	P	P	A	P	P
396	YASHASVI	P	P	P	P	P	P	P	A	P	P	P	P	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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387	ARVIND MEGHWAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P
388	KHUSHBOO KIRADE	P	P	A	P	P	P	P	P	A	P	P	P	A	P
399	ANKITA KOTHI	A	P	P	P	P	P	P	A	P	P	P	P	P	P
400	VIJAY SINGH RAWAT	P	P	P	P	P	P	A	P	P	A	P	A	P	P
401	ABHILASHA JAMRA	P	P	A	P	P	P	P	P	A	P	A	P	P	P
402	KANISHQ PRAJAPAT	P	P	P	P	P	P	P	P	P	P	P	P	P	A
403	SHUBHAM GIRI	A	P	P	A	P	P	P	P	P	P	P	P	P	A
404	AJAY CHOUHAN	P	P	P	P	A	P	A	P	P	P	P	A	P	P
405	SAUMYA DWIVEDI	P	A	P	P	P	P	P	P	P	A	P	P	A	P
406	AAYUSHI	P	P	P	P	P	P	P	A	A	A	P	P	P	A
407	SHREYA KOURAV	P	P	P	P	P	A	A	P	P	P	A	A	P	P
408	PRIYANSHI NAGAR	A	P	P	A	A	P	P	P	P	P	P	P	A	P
409	VAISHNAVI PATEL	P	P	A	P	P	P	A	P	P	P	P	P	P	P
410	RIYA TANDIYA	P	A	P	P	P	P	A	P	P	P	P	A	P	P
411	SATYAM TEKAM	P	P	P	P	P	P	P	P	P	P	P	P	A	P
412	ABHISHEK VYAS	P	P	A	P	P	A	P	P	P	P	P	P	P	P
413	LOVENEET BASOD	A	P	P	P	P	P	A	P	P	A	P	A	P	P
414	ANSHIKA CARPENTER	P	P	P	P	P	P	P	P	P	A	P	P	P	P
415	SAUMYA PATEL	P	P	A	A	P	A	P	A	P	P	A	P	A	P
416	ROSHNI SAWNER	P	P	P	P	P	P	P	P	P	P	P	P	P	P
417	BHUPENDRA SINGH SHYAM	A	P	P	P	P	P	P	P	A	P	P	P	P	P
418	SANIDHYA VERMA	P	A	P	P	P	A	P	A	P	P	P	P	P	A
419	AKSHAY	P	P	P	P	P	P	P	P	P	P	P	A	P	P
420	DALVEER SINGH	P	P	A	A	P	P	A	P	P	P	P	P	P	P
421	RITU	A	P	P	A	A	P	P	P	A	P	P	A	P	P
422	URVASHI	P	A	P	P	P	A	P	A	A	P	P	P	P	A
423	TUSHAR PANCHHI	P	P	A	P	P	A	A	P	P	P	P	P	P	P
424	PURNIMA CHAWDA	A	P	P	P	P	A	P	A	P	P	P	A	P	P
425	KAMNA	P	A	P	P	P	P	A	P	P	P	A	P	P	A
426	ADITYA RUPOULHA	P	P	P	P	P	P	P	P	P	P	P	A	P	P
427	SHIVANI PATIDAR	A	P	P	P	P	P	A	P	A	P	P	P	P	A
428	NITESH RAWAL	P	A	P	P	P	P	P	P	A	P	P	P	P	A
429	SHIKHA CHOUDHARY	P	P	P	P	P	P	P	P	A	P	P	P	P	P

Signature of Convener

Fourth Batch

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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430	KAJAL YADAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P
431	SIMRAN DARBAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
432	SUMIT RATHORE	P	P	P	P	P	P	P	P	P	P	P	P	P	P
433	SAKSHI DOTWAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P
434	NIKITA JESWANI	A	P	P	P	A	P	A	P	P	P	A	P	P	P
435	KAJAL KUMAWAT	A	A	P	P	A	P	P	A	P	P	P	P	P	A
436	AARTI KUMAWAT	P	P	P	P	P	P	P	P	P	A	P	P	A	P
437	NANDINI KUMAWAT	P	A	A	P	P	A	P	P	P	P	P	P	P	P
438	BHUPENDRA SINGH RATHORE	P	P	A	P	P	P	P	P	P	P	A	P	P	P
439	SHREYA NAGPURE	P	A	P	P	P	P	P	P	A	P	P	A	P	P
440	TANU PATEL	P	P	P	P	A	P	A	P	P	A	P	P	P	P
441	YASH PATIDAR	P	P	P	A	P	P	P	A	P	P	P	P	A	P
442	CHARUL PATIDAR	P	P	A	P	P	A	P	P	P	P	P	A	P	P
443	VIKAS PATLE	A	P	A	P	P	P	P	P	A	P	P	P	A	A
444	SHWETA RAIDAS	P	P	P	P	P	P	P	P	P	P	P	P	A	A
445	JHALAK RATHOD	P	A	P	P	A	P	P	A	P	P	P	P	A	P
446	KIRTAN RATHORE	P	P	P	A	P	P	P	P	P	A	P	A	P	P
447	SHIVANI SAHU	P	P	P	P	P	A	A	P	P	P	A	P	P	P
448	SHREYA SAHU	P	P	P	P	P	P	P	P	P	P	P	P	P	P
449	NITIN SENDHAV	P	A	P	P	P	P	P	P	P	P	P	P	P	P
450	VISHAL SHARMA	A	P	A	P	P	P	P	P	P	P	P	P	A	P
451	AKANKSHA SHUKLA	P	P	P	P	P	A	P	A	A	P	P	A	P	A
452	MUCHKUND SHUKLA	P	P	P	P	P	P	P	P	P	A	P	P	P	P
453	UDRABHRANT TIWARI	P	P	P	A	P	P	P	P	P	P	P	P	P	P
454	PRINCE UTWAL	A	A	P	P	A	P	P	P	P	P	P	P	A	A
455	ROSHNI	P	A	P	P	P	P	A	P	P	P	P	P	A	A
456	RAMBABU DANGI	P	P	P	P	P	A	P	P	P	P	P	P	P	P
457	MADAN TAD	P	P	A	P	P	P	P	P	P	P	A	P	P	P
458	VEDANT CHOUHAN	A	P	P	P	P	P	P	P	P	A	P	A	P	P
459	PRADUMN DANGI	P	P	P	P	P	P	P	P	A	P	P	P	P	P
460	PRASHANT DONGARDIYE	P	P	P	P	P	P	P	P	P	P	P	P	P	A
461	AASTHA YADAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P
462	MANAS NEMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 16/05/2022 TO 31/05/2022

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463	SALONI PATIDAR														
464	PRATHAM KASERA														
465	RITESH AKADE														
466	MAHAK RATHORE														
467	NIDHI CHOUHAN														
468	DRAVID CHOUREY														
469	SUSHIL JAT														
470	KHUSHBU KAITHWAS														
471	KHUSHBU PANERI														
472	NANDKISHORE PARAS														
473	JITENDRA PATEL														
474	KOMAL PRAJAPAT														
475	HARSHITA RANA														
476	GUNJAN SHARMA														
477	PRIYA AKOLE														
478	MONIKA ARSEY														
479	SHUBHAM PANDYA														
480	KIRTEE CHADAR														
481	RISHI SHAH														
482	SHRUTI PANDEY														
483	KAPIL														
484	PRESHITA RAWAT														
485	MITALI NAGAR														
486	ANAMIKA SINGH														
487	GOVIND NAGAR														
488	KUMUDINI GOYAL														
489	YOGESH GURJAR														
490	MAYUR MALVIYA														
491	PIYUSH PANDAGRE														
492	KRATIKA SEMRE														
493	RANU SHARMA														
494	NANDINI SOLANKI														
495	SAPNA TIWARI														

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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496	ARYANSH VERMA														
497	GAURAV NAGLE														
498	LOKESH JATAV														
499	UMANG KUSHWAH														
500	UJJAWAL BAREKER														
501	BHUMIKA BHARGAV														
502	ABHISHEK KUMAR SINGH														
503	SUSHMITA JANGID														
504	UNNATI KOSHTI														
505	JAYESH LALWANI														
506	KUSHAL MISTRY														
507	KHUSHI RATHORE														
508	KRITIKA SIRWAIYA														
509	DEVANSHITA SONI														
510	SURAKSHA BORKER														
511	MANISHIKA YADAV														
512	UPENDRA GOUND														
513	RITESH KUMAR DWIVEDI														
514	DHRUV JAIN														
515	POOJA CHAVHAN														
516	ABHISHEKBAND														
517	MAHESH BAGHEL														
518	VARSHA GAWSKAR														
519	DOLLY SORGILE														
520	DEVBRAT KOURAV														
521	ARPANA ARVIND SINGH RAJAW														
522	BHAVANA PATEL														
523	SAMRADDHI PANCHOLI														
524	SWARNLATA JHARIYA														
525	PRITI PRAJAPAT														
526	SUHANI SONI														
527	ZAINAB BATA WALA														
528	RUKAIYA KANCHWALA														

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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595	SANSKRITI SAHU														
596	RISHABH TRIPATHI														
597	AMAN GOUND														
598	RUCHITA SINGH														
599	AISHNA VISHWA														
600	ANUJ DWIVEDI														
601	ANKIT MALVIYA														
602	SONIYA														
603	KARAN SAVNER														
604	ASHUTOSH SINGH														
605	AJEET WASKALE														
606	ANANYA MOHAPATRA														
607	KAUMUDEE JHA														
608	RASHIKA TIWARI														
609	ARCHI TRIVEDI														
610	VAISHALI KHEDE														
611	KRISHNAPAL														
612	MAHESH SOLANKI														
613	ABHISHEK SAHU														
614	SHUBHAM KUSHWAH														
615	SNEHA NAMDEV														
616	SUBHASHINI BHALRAI														
617	PRIYA GHATARE														
618	RAHUL RATHORE														
619	POOJA														
620	RIDDHI TRIVEDI														
621	PARI JAIN														
622	KANISHK SHARNAGAT														
623	LAKSHYA SOLANKI														
624	VIBHANSHU GAGRE														
625	ADITI PANDEY														
626	PRACHI SARDAR														
627	VIMAL CHOUDHARY														

Signature of Convener

Sixth Batch

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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628	AKANKSHA PATHAK														
629	PRAGYA PINJARE														
630	YAMINI SEN														
631	SHIVAM SINGH														
632	NAMITA RATHORE														
633	AJAY DANGI														
634	SONALI NAGAR														
635	KAMLESH														
636	GIRIJA CHOUHAN														
637	PRIYANKA MALVIYA														
638	KAMLESH CHANDRAWAT														
639	GOURAV KUMAWAT														
640	DIPESH LEEL														
641	DHIRAJ PATEL														
642	NAVNEET SINGH														
643	PRACHI SISODIYA														
644	DEV PRATAP VERMA														
645	ISHA DONGRE														
646	NAZNEEN RANGREJA														
647	ARCHI GUPTA														
648	ANURAG DWIVEDI														
649	HARIOM VISHWAKARMA														
650	SANJANA THAKUR														
651	PRASHANT MAHOUR														
652	SHIVAM PRAJAPATI														
653	PINKI BACHHANIYA														
654	HANSA TOMAR														
655	AKSHITA VYAS														
656	AYUSHI CHANDOLIYA														
657	ANSHUL GOUR														
658	NAMAN GUPTA														
659	VISHVENDRA SINGH SOLANKI														
660	ABHISHEK PATIDAR														

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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661	SAKSHI SISODIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
662	KARAN ALAWE	P	A	P	P	P	P	P	P	P	P	A	P	P	P
663	SAKSHI SHARMA	P	P	P	P	A	P	P	A	P	P	A	P	P	P
664	GAUTAM VASANDE	P	P	P	P	P	P	P	P	A	P	P	A	A	P
665	AADIL KAJLE	P	P	P	A	A	P	P	A	P	P	P	P	P	A
666	JEETU AHIRWAR	P	P	A	P	A	P	A	P	P	A	P	P	P	P
667	INDRA KUMAR RAJAK	P	A	P	P	P	A	P	P	A	P	P	A	P	P
668	KULDEEP KAG	P	P	P	P	P	P	P	A	P	P	P	P	A	P
669	UMA DHAKAD	A	P	P	P	P	P	P	P	P	A	P	P	P	A
670	NANDINI PADIYAR	P	P	P	A	P	P	P	A	P	P	A	A	P	P
671	AJAY KIRAD	P	P	P	P	A	A	A	P	P	P	P	P	A	P
672	MUSKAN AHIRWAR	A	P	P	A	A	P	P	P	P	A	P	P	P	A
673	VARSHA	P	P	A	P	P	P	P	P	P	P	P	P	P	P
674	RAJKUMAR GOYAL	P	A	P	P	P	P	P	P	P	P	A	P	A	P
675	OSHI KANOJE	P	P	P	P	A	A	P	P	P	P	P	A	P	P
676	TARANJEET SINGH NAGWANSHI	A	P	P	P	P	P	P	P	P	P	P	P	A	A
677	YASHIKA CHOUKIKAR	P	P	A	A	P	P	P	P	P	A	A	P	P	P
678	AJAY KUMAR SAKET	P	P	P	P	P	P	P	P	P	P	P	P	P	P
679	NANURAM NIGAM	P	P	P	P	P	P	P	P	A	P	P	P	P	P
680	ROSHNI CHHEEPA	P	P	P	P	P	A	A	P	P	P	P	P	P	A
681	RAJ BARONIYA	A	P	A	P	A	P	P	P	P	P	P	P	P	A
682	MUSKAN PAL	P	P	P	A	P	P	P	P	P	P	P	P	P	P
683	YASHIKA SONI	P	A	P	A	P	A	P	A	P	P	P	P	P	P
684	PRACHI VERMA	P	P	A	P	P	P	P	P	P	P	A	P	A	P
685	ADITYA VERMA	P	P	P	P	A	P	A	P	A	P	A	A	P	P
686	GYANESHVAR DAWANDE	P	P	A	P	P	P	P	P	P	A	P	P	P	P
687	ANUSHKA SINGH	P	P	A	P	P	P	P	P	P	P	P	A	P	P
688	SAHIL TIWARI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
689	PAYAL VERMA	A	P	A	P	P	A	P	P	P	P	P	A	P	P
690	AYUSHI VISHWAKARMA	P	P	P	P	P	P	P	P	P	A	P	P	P	P
691	VEDANT BHINDE	P	P	P	P	A	P	P	P	P	P	A	P	P	P
692	RAJNANDINI SINGH	P	A	P	P	P	P	P	P	P	P	P	A	P	P
693	RITUJA CHOPDE	P	P	P	P	P	P	P	P	P	A	A	P	P	P

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Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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694	FATEMA SHAJAPUR WALA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
695	GAURAV CHOUDHARY	P	P	P	P	P	P	P	P	P	P	A	P	A	P
696	ADITYA HARDIYA	P	P	P	P	P	P	P	P	P	P	P	A	P	P
697	SHRADDHA PATNAIK	A	A	A	P	A	A	A	A	A	P	P	P	P	A
698	PALAK SENGAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
699	SHRIJAN CHITRANSH	P	P	P	A	P	A	P	P	P	A	P	A	P	P
700	SHREYA TIWARI	P	P	P	P	A	A	P	P	P	P	P	A	P	P
701	RASHIKA PATEL	P	P	A	P	P	A	P	A	P	P	A	P	A	P
702	GAJENDRA PARMAR	A	P	P	P	P	P	A	P	A	P	A	P	P	P
703	SUMAYLA NOSEEN	P	A	P	A	A	P	P	P	P	P	A	P	P	P
704	MUSKAN ANAND	P	P	P	P	P	A	P	P	P	P	P	P	A	P
705	SACHIN VISHWAKARMA	A	A	P	P	A	P	P	P	P	P	P	A	P	P
706	AKSHAY KUMAR DANGI	P	P	A	P	P	P	P	A	P	A	P	A	P	P
707	AASTHA SAHU	P	P	P	P	A	P	P	P	P	P	P	P	P	P
708	URVASHI RAJKUMAR HIRKANE	P	P	P	P	P	A	A	A	A	P	P	P	A	P
709	PRIYA PATLE	P	P	P	P	A	P	P	P	A	P	P	P	P	P
710	ARSHI RAIN	P	P	P	A	P	P	P	P	P	P	P	P	P	P
711	SOUMYA DHANORIYA	P	P	A	P	P	P	P	P	P	P	A	P	A	A
712	DHEERAJ	P	P	P	P	P	A	P	P	P	P	P	P	P	P
713	HARSHITA	P	P	P	P	P	A	P	P	P	P	P	P	P	P
714	KAUSHAL AMRATIYA	P	P	A	P	A	P	P	P	P	P	P	P	P	P
715	VINIT ARYA	A	P	P	P	P	P	P	P	P	P	A	P	P	P
716	RAJKUMARI	P	P	P	P	P	P	P	A	P	A	P	P	A	P
717	VEERENDRA CHOUHAN	P	P	A	P	P	P	P	P	P	P	P	P	P	P
718	SHARAD RATHORE	P	P	P	P	P	P	P	P	P	P	P	P	P	P
719	TARUN BHATNAGAR	P	P	A	P	P	P	A	P	P	P	P	P	P	P
720	MAYANK CHAURASIYA	A	P	P	P	P	P	P	A	P	P	P	P	P	P
721	REETIKA CHOUHAN	P	P	P	P	P	P	A	P	P	P	P	P	P	P
722	SHIVANI CHOUHAN	P	P	P	P	P	A	P	P	P	P	A	P	P	P
723	VISHAL GANAVA	P	P	P	P	A	P	P	P	P	P	P	P	P	P
724	DISHA GURJAR	A	P	P	P	P	P	A	P	P	P	P	P	P	P
725	HEMANT JHA	P	P	P	A	P	P	A	P	P	P	P	P	P	P
726	VANSHRAJ KHARE	P	P	P	P	P	P	P	P	P	P	A	P	P	P

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Signature of Convener

Seventh Batch

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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727	PRACHI LADKE														
728	SHRUTI NANDA														
729	HARSH PATEL														
730	ETISHA PATHAK														
731	ANIKET PRAJAPATI														
732	DIVYA RATHORE														
733	SAWAN RATHORE														
734	TANIYA SARATHE														
735	RUCHIT SHARMA														
736	RAJ KUWAR SINGH														
737	PALAK SINGH SENGAR														
738	VAISHNAVI SONI														
739	PRIYA TIWARI														
740	ANUSHKA DWIVEDI														
741	SUMIT														
742	NITIN BAGHEL														
743	PINKESH GANGRADE														
744	SARITA TADWAL														
745	AKSHAY VERMA														
746	ROSHNI MANSURI														
747	KUMKUM LOWANSHI														
748	MANJU														
749	NITIN KUMAR THAKUR														
750	VIKASH DOHARE														
751	MANAS JAIN														
752	PREETI KUSHWAHA														
753	SRASHTI PAWAR														
754	SHISHIR SAMANT RAI														
755	VIBHA BOURASI														
756	KASHVI JAIN														
757	PRIYANSHI JAISWAL														
758	SUNITA DANGI														
759	MOHAMMAD SHAHID														

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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760	KHUSHNUMA KHAN														
761	PAWAN														
762	RAMESH SOLANKI														
763	YASH SAYALWAR														
764	HIMANSHI THAKUR														
765	ANITA KACHHAWA														
766	GEETANJALI JHA														
767	KAMAL PRAJAPATI														
768	MISBAH KHAN														
769	ZOYA MIRZA														
770	ANJALI PATEL														
771	ANKIT MUKATI														
772	DIPANSHU YADAV														
773	NIKITA DAWAR														
774	ANTIM MANDLOI														
775	BALIRAM CHOUHAN														
776	DURGESH DANGI														
777	GOPAL DHANGAR														
778	NEELAM KUSHWAHA														
779	PIYUSH KAMAVISDAR														
780	RACHNA DEVDA														
781	BALKRISHAN														
782	SHIVANI SOLANKI														
783	ANAM KHAN														
784	NAVYANSH DWIVEDI														
785	GARIMA DWIVEDI														
786	SANSKAR JAIN														
787	YOGITA PARMAR														
788	ANUSHKA CARPENTER														
789	ANKITA LAROKAR														
790	JYOTIRADITYA MISHRA														
791	ANUJ MISHRA														
792	SHUBHI MISHRA														

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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793	PRABHAKAR PATHAK														
794	ANUSHKA TIWARI														
795	SHYAM														
796	NANDANI KHANDE														
797	KHUSHI SIKARWAR														
798	ROSHANI KASERA														
799	SAPNA														
800	PRIYANKA BADKHANE														
801	HIMANSHI CHOUHAN														
802	ABHISHEK CHOUHAN														
803	BHAVNA HIRKE														
804	DISHA MALVIYA														
805	POOJA NAGAR														
806	ARUN PARIHAR														
807	PURVA PATIDAR														
808	HARSHITA RATHORE														
809	ANURAG RATHORE														
810	ANJALI RATHORE														
811	DIKSHA SAHU														
812	ANKUL KUMAR SATNAMI														
813	NISHANT SHUKLA														
814	LAXMAN SINGH														
815	ADITI VISHWAKARMA														
816	ANJALI														
817	ROHIT JHARBADE														
818	KHUSHI KANATHE														
819	SACHIN PANWAR														
820	UMABHARTI PATIDAR														
821	SHATAKSHI TRIPATHI														
822	JATIN VERMA														
823	ROHAN VERMA														
824	HARSHIT VERMA														
825	TAMANNA SAWLANI														

Signature of Convener

Eighth Batch

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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826	RUPESH														
827	AAKASH PANWAR														
828	RITIK PATEL														
829	NEHA KOCHALE														
830	NANDITA MISHRA														
831	MOHIT MOURYA														
832	BHARTI PATIDAR														
833	UMA PATIDAR														
834	MANVIKA SHASTRI														
835	SWATI THAKUR														
836	POOJA YADAV														
837	GANGA DAWAR														
838	RITIK DAWAR														
839	RADHIKA RATHORE														
840	AKSHAY KUMAR SAH														
841	RISHU DWIVEDI														
842	NITIN JAIN														
843	SHIYA MATRE														
844	SNEHA PAWAR														
845	INDIRA SHERA														
846	GARIMA SINHAL														
847	CHETAN SIRSAM														
848	PAWAN AHIRWAR														
849	ANSHUL YADAV														
850	ISHA MANSORE														
851	RISHABH MALVIYA														
852	SIDDHI SONWANE														
853	SALONI PATIDAR														
854	PRAKASH GOHE														
855	DARSHITA BAMALIYA														
856	ANJALI SINGH MARAVI														
857	SURESH PAL														
858	ANANYA RAJPUT														

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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859	SHREETIKA SINGH CHAUHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
860	SONALI UPADHYAY	P	A	P	P	P	A	P	P	P	A	P	A	A	P
861	SANDEEP PARASTE	P	P	P	P	P	A	P	P	P	P	A	P	P	P
862	DURGA PRASAD DANGI	P	P	A	P	A	P	A	P	P	P	A	P	P	A
863	JAGDISH MINAWA	P	P	P	P	P	P	P	P	A	P	P	P	P	P
864	RISHABH BHINDE	P	P	P	A	P	P	P	P	P	P	P	P	A	P
865	KHUSHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
866	BHAWANA UTGRIYA	A	P	P	A	P	P	A	P	P	A	P	P	P	P
867	RADHA	P	A	A	P	P	P	P	A	P	P	P	P	P	P
868	JIYA PARMAR	P	A	P	P	P	P	P	A	P	P	A	P	A	P
869	VARUN	P	P	P	P	A	P	A	P	A	P	P	P	P	P
870	VIKASH MANDOR	P	P	P	P	P	P	P	P	P	A	P	P	P	A
871	KESHAV BHATI	P	P	P	A	P	P	P	P	P	P	P	P	P	A
872	ABHISHEK DETHLIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
873	VAIBHAV PANDEY	P	P	P	A	P	P	P	P	P	P	P	P	P	P
874	UDIT JAIN	P	P	P	P	P	P	A	P	P	A	P	A	P	P
875	TITIKSHA KAUSHAL	P	P	P	P	A	P	P	A	P	A	A	P	A	P
876	SALONI KUSHWAH	P	P	A	P	P	P	P	P	A	P	P	P	P	A
877	SHWETA MALAKAR	P	P	P	P	P	P	A	P	P	P	P	A	P	P
878	SHWETA MALVIYA	A	P	P	P	P	P	P	P	P	P	P	P	P	P
879	ADARSH MANDLOI	P	P	P	A	P	P	P	P	P	A	P	P	P	P
880	PAYAL MOHANE	P	P	P	P	P	P	P	P	P	A	P	P	P	P
881	SHALINI PANDEY	P	P	P	P	A	P	P	P	P	P	P	P	A	P
882	RITIKA PANWAR	P	P	P	P	P	P	P	A	P	P	P	P	P	P
883	SWATI PATEL	A	P	P	P	P	P	A	P	P	P	P	A	P	P
884	RUPALI RAJPUT	P	P	P	P	P	P	P	P	A	P	P	P	P	P
885	PIYUSH SINGH RATHORE	P	P	P	P	A	P	P	P	P	A	P	P	A	P
886	AASTHA SHARMA	P	P	A	P	P	P	P	P	P	P	P	P	P	P
887	KHUSHI SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P
888	VANDANA SITOLA	P	P	P	P	P	A	P	P	P	P	P	A	P	P
889	SATYAJ THAKUR	P	P	P	P	P	P	P	P	P	P	A	P	P	P
890	SOURABH ALAWA	P	P	P	P	P	P	P	P	P	P	P	P	A	P
891	PIYUSH SOLANKI	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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892	KHUSHI THAKUR	P	P	P	P	P	P	P	A	P	P	P	P	P	P
893	LAXMAN KANER	P	P	A	P	P	A	A	P	P	P	A	P	P	P
894	NASHEETA KHAN	P	P	P	P	A	P	P	P	A	P	P	P	P	P
895	RAZEEN FATIMA	P	A	P	P	P	P	P	A	P	P	A	P	P	P
896	KAVITA RAWAT	P	P	A	P	P	P	A	P	P	P	A	P	P	A
897	PRACHI DWIVEDI	P	P	P	P	P	P	P	A	P	P	P	P	A	P
898	MAKHDOOM AIJAZ ANSARI	A	P	P	P	P	P	A	A	P	P	P	P	P	P
899	ARUN SEN	P	P	P	P	P	P	P	P	P	P	A	P	P	P
900	ANUSHKA ROMISH	A	P	A	P	P	A	P	P	A	P	A	P	P	A
901	DEVYANI SINGH	P	A	P	P	P	P	P	A	P	P	P	A	P	P
902	KHUSHI VISHWAKARMA	A	A	P	P	P	P	P	P	P	P	P	A	P	P
903	KAVITA	P	A	P	P	P	P	A	P	P	P	P	A	P	P
904	SARANGI BABERIYA	P	P	A	P	A	P	P	A	A	P	P	P	P	P
905	BHARAT MALVIYA	P	P	P	P	P	P	P	P	P	P	P	P	A	A
906	RADHA RANA	A	P	P	A	P	A	P	P	P	P	P	P	P	P
907	VALMIK	A	P	P	P	P	P	A	P	A	P	P	P	P	A
908	PAYAL MOURYA	P	P	A	P	P	P	A	P	P	P	P	P	P	P
909	RAVI	P	P	P	A	P	P	P	P	A	P	P	P	A	P
910	EKTA JAMRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
911	VIJENDRA SOLANKI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
912	ADITI GAUTAM	A	P	P	A	A	P	A	P	A	P	P	P	P	P
913	SHIVANI PATHOTE	A	P	A	P	P	A	P	A	P	P	P	P	P	P
914	SWATI TIWARI	P	P	P	A	A	P	P	A	P	P	P	P	P	P
915	DOLLY ADLAK	P	A	A	P	P	P	P	A	A	P	P	P	P	P
916	KRITIK MESHRAM	P	P	P	P	A	P	P	P	A	P	P	P	P	P
917	SHUBHAM PATHOTE	P	P	P	P	P	P	P	P	P	P	P	P	A	P
918	YASHWANT MOURYA	P	P	P	P	P	P	A	P	P	P	P	P	P	A
919	SHWETA MISHRA	P	P	P	P	A	P	P	P	P	P	P	P	A	P
920	NITAL MANDLOI	P	A	P	P	A	P	P	P	P	A	P	A	P	P
921	NEHA SONI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
922	SHRESHTHI BHAWSAR	P	A	P	P	P	P	P	P	P	P	A	P	P	P
923	VATSLA BHARGAVA	P	P	P	P	P	P	P	P	P	P	A	P	P	P
924	SAKSHI CHOUDHARY	P	A	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Convener

Ninth Batch

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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925	SUHANI PATIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P
926	CHANDRIKA DAWAR	P	A	P	A	P	P	P	P	P	P	P	P	P	P
927	ISHA MANDLOI	P	P	A	P	A	P	P	P	P	P	P	A	P	P
928	DEEPIKA	A	P	P	A	P	P	P	A	P	P	P	P	P	P
929	RAMKRISHNA PATEL	P	P	P	P	P	P	A	P	P	A	A	P	A	P
930	AJAY SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	A
931	AARTEE GURJAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
932	NEELAM KUMARI JAYSWAL	A	P	A	A	P	A	P	P	A	P	P	A	P	P
933	KHUSHI DESHMUKH	P	P	P	P	A	P	P	P	P	P	P	P	A	P
934	ARMAN RAGHUWANSHI	A	P	P	P	P	P	A	P	P	P	P	P	P	P
935	DIVYA SHAH	P	P	P	P	P	P	P	A	P	P	A	P	P	P
936	PIYUSH YADAV	A	P	A	P	P	P	P	P	P	A	P	A	P	A
937	NISHCHAL SHARMA	P	A	P	P	P	A	P	P	P	P	A	P	A	P
938	DHEERAJ RAJAK	P	A	P	P	P	P	A	P	P	P	P	P	P	P
939	AMAN KUMAR SEN	A	P	P	P	P	P	P	P	A	P	P	P	P	P
940	LAXMI	P	P	P	A	P	P	P	A	P	A	P	P	A	P
941	JYOTI DWIVEDI	P	P	A	P	P	P	P	A	P	P	A	A	P	A
942	GARIMA MADAVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
943	ASHANA PATEL	P	P	P	P	A	P	A	P	P	P	P	P	P	P
944	AAYUSH MUJALDE	A	P	P	P	P	A	P	P	P	P	P	A	P	P
945	PIYUSH NAIK	P	P	P	P	P	P	P	A	P	P	P	P	P	P
946	VANSH PRATAP SINGH GURJAR	P	P	P	P	P	P	P	P	A	P	P	P	P	P
947	BABITA VISHAWKARMA	P	P	A	P	P	P	P	P	P	A	P	P	P	P
948	DEEPAK NIMADI	P	P	P	P	P	P	P	P	P	P	P	P	A	P
949	SHREYA CHAKRABORTY	P	A	P	P	P	P	P	P	P	P	P	P	P	P
950	AAKASH PAWAK	P	A	P	P	P	P	P	P	P	P	P	P	P	P
951	AKANKSHA SHAH	P	P	P	P	P	P	A	P	P	P	P	P	P	P
952	KASHISH JOSHI	P	P	P	P	P	P	P	P	A	P	P	P	P	P
953	PRIYA PANDA	A	P	P	P	P	P	P	P	P	P	P	P	A	P
954	RAVI MANDOR	P	P	A	P	P	P	P	P	P	P	P	P	P	P
955	SAHAJA MENON	A	P	P	P	P	P	P	P	P	P	P	P	P	P
956	AARTI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
957	AMIT BARDE	P	P	P	P	P	P	P	P	P	P	P	P	A	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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958	SAROJ SOLANKI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
959	ALOK PATEL	P	P	P	P	P	A	P	P	A	P	A	P	P	P
960	DEEPAM DHARNE	P	P	P	P	A	P	P	P	P	P	A	P	P	P
961	PRIYAL PALOD	A	P	A	P	P	P	P	P	P	P	P	P	A	P
962	ABHISHEK SAGAR SHRIVASTAV	P	A	P	P	A	P	P	A	P	P	P	P	P	A
963	POOJA MALVIYA	P	P	P	P	P	A	A	P	P	P	P	P	P	P
964	PUJA WASARI	P	P	P	P	P	A	P	P	P	P	A	P	P	P
965	AAKASH PANWAR	P	P	P	P	P	P	P	P	P	P	P	P	A	P
966	SATYENDRA KUMAR VERMA	P	P	P	A	P	A	P	P	A	P	P	P	P	A
967	AKASH MISHRA	A	A	P	P	P	P	P	A	P	P	P	P	P	P
968	FAIZAN SHAIKH	P	P	P	P	P	P	P	P	P	P	P	P	P	P
969	ARPITA	P	P	A	P	A	P	A	P	P	P	P	A	P	P
970	SNEHA SAJEEVAN	P	P	P	A	P	P	P	P	P	P	P	A	P	A
971	ROHIT	P	P	P	P	P	A	P	P	P	P	P	A	P	P
972	MANRAJ	A	P	P	P	P	P	P	P	A	P	P	P	P	P
973	CHETANYA SINGH NARWARIYA	P	A	P	P	P	P	P	A	P	A	P	P	A	P
974	AADARSH GUPTA	P	P	P	P	A	A	P	P	P	P	P	P	P	A
975	SAMRADDHI KAMDAR	P	P	P	P	P	P	A	P	A	P	P	P	P	P
976	ABHISHEK MANDLOI	P	P	P	P	P	P	P	P	P	A	P	P	P	P
977	SNEHA PANDEY	P	A	P	P	P	A	P	P	P	P	P	P	P	P
978	AYUSH PATEL	P	P	P	P	P	P	P	P	P	P	P	P	P	P
979	DURGESH PATIDAR	A	P	P	A	P	P	P	P	P	P	A	P	A	P
980	NAYANA YADAV	P	P	P	P	P	A	P	P	P	P	P	P	P	A
981	MOHIT PATIDAR	P	P	P	P	P	P	A	P	P	P	P	P	P	P
982	SONIYA PANSE	P	A	P	P	P	P	P	A	P	P	P	A	P	P
983	NEHA	A	P	A	P	P	P	P	P	P	P	A	A	A	P
984	AJAY SENDHAV	P	P	P	P	P	A	P	P	P	P	P	P	P	P
985	ALANKRITA PANDEY	P	P	P	P	P	P	P	P	P	P	P	P	P	P
986	AGRANEE CHAUREY	P	P	P	P	P	P	P	P	P	P	P	P	A	P
987	JAYDEEP MALVIYA	P	P	P	P	A	A	P	P	P	P	P	P	P	P
988	ASHISH	P	P	P	P	P	P	P	P	P	P	P	P	P	P
989	MOHIT	P	P	P	P	P	P	P	P	P	P	P	P	P	P
990	HEMCHANDRA CHARPE	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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991	ANCHAL PRAJAPAT														
992	JAGRATI														
993	VARSHA PATHEKAR														
994	MUSKAN														
995	PREETI GADGE														
996	VIDHI AAKDE														
997	RAHUL														
998	MANISH														
999	RUCHI														
1000	MANISH BAKLIWAL														
1001	HARIOM CHOUDHARY														
1002	CHITRANSHU TIWARI														
1003	JITENDER KUMAR KUSHWAHA														
1004	DEEPAK DHANGAR														
1005	PAVAN DHURVE														
1006	PRACHI DWIVEDI														
1007	DIKSHA GANGRADE														
1008	SWATI JAISWAL														
1009	PRIYA JAT														
1010	YASH JAT														
911	SALONI JAT														
1012	KHUSHBU KOCHALE														
1013	BHAGWANDAS LODHI														
1014	BHISHAM MORI														
1015	MANSI MUZALDA														
1016	KAJAL PANCHMALE														
1017	HRITISHA PARTE														
1018	VISHAL PATIDAR														
1019	PRATIBHA RAJAK														
1020	DIVYA RATHI														
1021	MANISH SHARMA														
1022	SHRUTI TIWARI														
1023	SHRUTI TIWARI														

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1024	MOHIT UGHADE														
1025	BHOVAN														
1026	RAHUL RATHORE														
1027	SANDEEP BAGHEL														
1028	KASHISH CHILHATE														
1029	AMAN ESHIKAR														
1030	BHAGYASHRI MAHAJAN														
1031	ISHWAR CHOUHAN														
1032	VISHAL SINGH														
1033	BINDIYA														
1034	RAJKUMAR														
1035	GAGAN MALODIYA														
1036	YATIKA SONI														
1037	SHUBHAM														
1038	NAYAN RATHORE														
1039	LOKESH SAHU														
1040	PRATIKSHA VANKAR														
1041	SYEDA ATEKA														
1042	NIKHIL PATIDAR														
1043	RIYA														
1044	SANKET SONDARKAR														
1045	SANIYA														
1046	ROHIT NAGRE														
1047	AJAY MUZALDA														
1048	DURGESH														
1049	MAHAK TIWARI														
1050	GAURI MAHOBIA														
1051	SHONALI KUMARI														
1052	SNEHA YADAV														
1053	AJEET PATEL														
1054	PRACHI ADAME														
1055	T ISHA ARKEY														
1056	KRISHNAPAL														

Signature of Convener

Tenth Batch

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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1057	KANHA GAUTAM														
1058	AANCHAL KOSHA														
1059	ALKA PATEL														
1060	HARDIK SAHU														
1061	NEHA SINGH														
1062	RISHABH TIWARI														
1063	ADITI UNIYAL														
1064	SAURABH YADAV														
1065	SAGAR														
1066	BHAVYATA DWIVEDI														
1067	ANKIT PANDEY														
1068	MANAS PATIDAR														
1069	KUSHAL RATHOD														
1070	AAYUSHI SHARMA														
1071	SRISHTI SAGAR														
1072	DISHA UIKEY														
1073	SONAM VISHWAKARMA														
1074	NITYA AGARWAL														
1075	HARSH DHOTE														
1076	ADITI JOSHI														
1077	AISHANI RAWAL														
1078	ANTIM SHARMA														
1079	PALAK SHUKLA														
1080	DARSHITA NEHLANI														
1081	ANUSUIYA PALIWAL														
1082	SOURAV KARMA														
1083	NEHA SHARMA														
1084	MAHENDRA VARMA														
1085	ARJUN BAMNIYA														
1086	SWATI RAYKHERE														
1087	MAHI AGRAWAL														
1088	PREETAM LOWANSHI														
1089	AMIT KUMAR DWIVEDI														

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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1090	DEVVRAT PAREEK														
1091	PURVA PANDE														
1092	DEEPAK YADAV														
1093	MINAKSHI UIKEY														
1094	DIPANSHU														
1095	AAYUSH GARAVE														
1096	PANKHUDI IDPACHE														
1097	ADITI PARIHAR														
1098	PRANAV SHUKLA														
1099	NEERAV CHOUNGAD														
1100	NIKESH DATLA														
1101	PRASHI NIM														
1102	VIKENDRA PRATAP SINGH														
1103	SWAROOPANAND GIRI														
1104	TILAKRAJ SOLANKI														
1105	KRISHNA SISODIYA														
1106	VALLARI CHASKAR														
1107	TRILOK														
1108	HARSHWARDHAN SINGH UMATH														
1109	LAKSHMAN														
1110	VAISHNAVI PANDAGRE														
1111	MEENA RAWAT														

Signature of Convener

12.3 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of English has successfully completed the value-added certificate course titled **"Professional Ethics"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of English

Head
Department of English
Govt. Holkar Science College,
Indore (M.P.)

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

13.
Arduino

13.1 Brochure: -

13.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Physics.
Certificate Course in Ardunio
Syllabus

Course Out Comes: After completing this course, Student be able to;

- Explain all the core hardware components of Arduino UNO and their working.
- Know how to design circuits using Arduino and other electronic components
- Design electrical circuits using Tinker CAD
- Interface sensors such as Temperature Sensors, Proximity Sensors with Arduino and build some simple projects.
- 5Learn how to interface Servo motors and LCD with Arduino which is the basis for building robots using Arduino.
- Building some real-world projects.

Module 1:

Introduction to Arduino and understanding the hardware: Introduction to Arduino and Understanding what is Arduino UNO Different varieties in Arduino an outline on the architecture Digital Pins in the Arduino What is PWM? Difference between Analog and Digital Signals Analog Input Pins Flowchart on Analog Data Flow in the Arduino Duty Cycle Marked Pins Other Components in the board

Module 2:

The Simulator and Basic Circuits : Download the Arduino IDE Getting Started with the Arduino IDE Building a simple circuit using Bread board Using a pushbutton in our circuit The Light Dependent Resistor Arduino Circuits Blinking of an LED in Arduino Connecting an external LED to the Arduino Serial Monitor in Arduino Connecting three-terminal components – Potential Reading Analog Inputs Converting Analog Values into Digital Values LED Fading using PWM Connecting an RGB LED with the Arduino Flowing Lights! - A fun experiment Sounding a buzzer Sounding a buzzer Controlling an LED through Serial Communication

Module 3:

An Interfacing Sensors and Actuators with Arduino and Building Projects Interfacing a Passive Infrared Sensor Trespassers alarm using PIR Sensor D Info Interfacing a servo motor Interfacing a servo motor Interfacing a Temperature Sensor (TMP36) Temperature Controlled DC Motor Interfacing an IR Remote Control and IR Receiver Interfacing an Ultrasonic sensor and a simple project

Module 4:

Assembly programming through Arduino Outline: Write an assembly program to display a digit on seven segment display Arduino - Assembly code reference Arduino ATmega328 Pin mapping Connection circuit details Installing AVRA and AVRDUDE assembler How to connect and check the port number of Arduino Assembly program to glow the dot LED on the seven segment display Assembly program to display digit two on the seven segment display Assembly program to display digit five on the seven segment display using decoder. How to save the file, assemble and upload to the Arduino

Module 5:

Digital Logic Design with Arduino Outline: Write an assembly to verify the logical AND operation Use the m328Pdef.inc file that is available in the code files link of this tut Explanation

of the Source code for logical AND operation Save the file and generate the. Hex file Upload the code to the Arduino Displaying the output on the Seven segment display Replace the program with or to perform logical OR operation Replace the program with xor to perform logical XOR operation Implement and verify the below combinational logics:

Mixing Assembly and C programming Outline Combining Assembly and C programming Explanation of the circuit connections Live setup of the connection Assembly routine program which initialises and sets pin 13 of Arduino as output Call that Assembly routine in AVR-GCC program to blink the Dot LED of the Seven Segment display Use the Makefile that is available in the code files link of this tutorial. Explanation of the Source code of the subroutine and main program Save the file and generate the hex file Upload the code to the Arduino Display the output on the Seven segment display

- Final Quiz

Approved

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

13.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Chemistry
Session: 2021-22
Students List for Value Added Course in Arduino

S. No.	Class	Name of Student
1	M.Sc. – Physics	CHINKI SHARMA
2	M.Sc. – Physics	ANUBHAV TIWARI
3	M.Sc. – Physics	DIVYANSHI PARMAR
4	M.Sc. – Physics	HEMANT KUMAR MEENA
5	M.Sc. – Physics	KRATYANSHI PAWAR
6	M.Sc. – Physics	ARVIND
7	M.Sc. – Physics	BHARTI PARIHAR
8	M.Sc. – Physics	KAMLESH BENIWAL
9	M.Sc. – Physics	AYUSHI LAHOTI
10	M.Sc. – Physics	NITIN KAURAV
11	M.Sc. – Physics	BHANU HIRVE
12	M.Sc. – Physics	MAYANK TIWARI
13	M.Sc. – Physics	JAYESH RAJVANSHI
14	M.Sc. – Physics	KRATI SONI
15	M.Sc. – Physics	DINESH BAMNIYA
16	M.Sc. – Physics	JIGYASA RAGHUWANSHI
17	M.Sc. – Physics	GOUTAM LODHI
18	M.Sc. – Physics	DIVYA LODHA

13.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Physics has successfully completed the value-added certificate course titled **"Arduino"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Physics

Verified by IQAC

14.
Analytical aspects of Chemistry for Industry

14.1 Brochure: -

Govt. Holkar (Autonomous, Model) Science College, Indore (M.P.)

Dr. Anamika Jain
HOD, Department of Chemistry

Convener

Dr. M.K. Dwivedi
HOD, Department of Pharmaceutical Chemistry

Registration Link :

https://forms.gle/eMUL7hfk4FLnMBEb7

Online Certificate Course on

"Analytical Aspects of Chemistry for Industries"

Organized by :

Department of Chemistry
&
Department of Pharmaceutical Chemistry

Duration :

07/12/2021 to 23/12/2021

Time :

2:30 pm to 4:30 pm

Patron
Dr. Suresh T. Silawat
Additional Director, Indore Division &
Principal, Govt. Holkar Science College, Indore
[M.P.]

Organizing Committee

Dr. Aparna Gandhe
Dr. Neelima Pradhan
Dr. Sandeep Gohar
Dr. Ashok Barua
Dr. Pushpa Makwane
Dr. Rashmi Agrawal

Contact Details:

Dr. Aparna Gandhe - 9424841995
Dr. M.K. Dwivedi - 9131770504
Dr. Ashok Barua - 9329437018

14.2 Resource Persons: -

14-12-2021	2:30 to 3:30 pm	Microwave Spectroscopy	**Dr. Kalpana Singh** *Professor of Chemistry, Govt. Madhav Science College, Ujjain [M.P.]*
	3.30 to 4.30 pm	E.S.R.	**Dr. A.P. Mishra** *Professor of Chemistry, Dr. H.S. Gaur Univ. Sagar, [M.P.]*
15-12-2021	2:30 to 3:30 pm	Raman Spectroscopy	**Dr. B.T. Rao** *Sr. Scientific Officer RRCAT, Indore [M.P.]*
	3.30 to 4.30 pm	NMR	
16-12-2021	2:30 to 3:30 pm	Solid Waste Management	**Dr. Neeraj Jain** *Senior Scientist CBRI, Roorkee, Uttaranchal*
	3.30 to 4.30 pm	Good Laboratory Practices	**Dr. Preeti Jain** *Professor of Chemistry, Medicaps Univ.Indore [M.P.]*
17-12-2021	2.30 pm to 3:30 pm	*Restructuring the NOYX-OLS adenovirus by using spike protein genom from SARS-Cov-2 and MERS-Cov. : of possible implication in analysis breast cancer treatment*	**Dr. H. Parmar** *Associate Professor, Biotechnology DAVV, Indore [M.P.]*
	3.30 to 4.30 pm	Colorimetric Analysis	**Dr. Anil Bajpai** *Professor, Chemistry Govt. Science College, Jabalpur[M.P.]*
18-12-2021	2.30 pm to 3:30 pm	XRF	**Dr. M.K. Tiwari** *Senior Scientific Officer RRCAT, Indore*
	3.30 to 4.30 pm	Application of Instrumentation in Pharmaceutical Industries	**Dr. Sanjay Jain** *Dean Pharmacy Medicaps University, Indore*
20-12-2021	2.30 to 4.30 pm	Atomic Absorption Spectroscopy (AAS)	**Mr. Subodh Thakur** *Analyst, Elite Analytics, Indore*
21-12-2021	2.30 to 4:30 pm	Mass Spectroscopy, conjoint spectra analysis	**Dr. Rashmi Saxena** *Retired Professor, Chemistry Govt. Science College, Jabalpur [M.P.]*

22-12-2021	2.30 to 3.15 pm	XRD	**Dr. Netram Kaurav** *Professor, Physics* *Govt. Holkar Science College, Indore [M.P.]*
	3.15 to 4:30pm	Chromatographic Techniques	**Dr. Dhananjay Dwivedi** *Professor, Chemistry* *P.M.B. Gujarati Science College, Indore [M.P.]*
23-12-2021	2.30 to 3:30 pm	Job opportunities in pharmaceutical industries after covid- A paradigm shift	**Dr. Ritesh Mishra** *Head, Analytical Lab.* *Medilux Pihtampur [M.P.]*
	3:30 to 4:30 pm	Test	
	4:30 onwards	Valedictory Function	

14.3 Syllabus: -

Govt. Holkar (Autonomous, Model) Science College, Indore [M.P.]

A Certificate Course on

"Analytical Aspects of Chemistry for Industries"

Conducted by:Department of Chemistry & Department of Pharmaceutical Chemistry

1. a) Safety in analytical Lab.
   b) Cleaning & Calibration of Glass wares.
   c) Handling of Reagents
   d) Notebook maintenance
   e) Preparation of solution and calculations.

2. Errors in analysis: Error, accuracy and precision, Types of errors, methods of expressing precision significant figures.

3. Qualitative & Quantitative Analysis:
   a) Mixture Analysis in inorganic and organic chemistry.
   b) Volumetric analysis, terms in volumetric analysis, Types of volumetric analysis acid-base, redox, non-aqueous, complexometric, precipitation titration and their applications.
   c) Gravimetric analysis: experimental techniques: precipitation, filtration, washing; ignition, drying, weighing , applications of gravimetric analysis.

3. Chromatographic techniques: basic principle, operational techniques of paper, Thin layer, Column and gas chromatography.

4. a) Conductometric measurements: Introduction, instrumentation, types of conductometric titration and applications.
   b) Potentiometric Titration. Principle, Instrumentation & applications.

5. a) Nephelometry and Turbidimetry- Introduction, principle, instrumentation, and applications.

   b) Colorimetric Analysis-Introduction, principle, instrumentation and pharmaceutical applications.

   c) Flame Photometry- Introduction, principle, instrumentation and their applications in pharmaceutical chemistry.

   d) Hardness, Friability and Disintegration time of tablets.

6. Solvent extraction: Introduction, principle, techniques, types of solvent extraction and applications.

7. Spectroscopic methods of Analysis: IR, UV, Visible, NMR.

   Principle, instrumentation & applications.

8. Solid Waste management.

9. a) Polymers: Rubber, Paint, Nylon, Fiber, dyes etc.

10. Food Adulteration: Common Methods of Testing and effects of adulterants on health.

11. Common Diseases & Pandemic:

12. a) Analysis of water sample ; B.O.D., C.O.D., D.O.
    b) Drug Analysis
    c) Soil analysis

Approved

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

14.4 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Chemistry
Session: 2021-22
Students List of Value-Added Course on Analytical Aspects of Chemistry for Industry

S. No.	Name Of Participant	Gender	Fathers Name
1	Dileep Kumar Dwivedi	Male	Sita Prasad Dwivedi
2	Ganesh Patel	Male	Radheshyam Patel
3	Rakhi Mandloi	Female	Ram Singh Mandloi
4	Kiran Dewake	Female	Manohar Dewake
5	Manisha	Female	Chhagan Singh Mourya
6	Anita	Female	Amarsing
7	Deepali Chouhan	Female	Mr. Kanhaiyalal Chouhan
8	Jaya Dudwe	Female	Keshar Singh Dudwe
9	Aanchal	Female	Vijendra Singh Rathore
10	Sharad Kumar Mishra	Male	Sanjay Kumar Mishra
11	Archana Pawar	Female	Magan Lal Pawar
12	Arun Meena	Male	Naval Singh Meena
13	Prakash	Male	Bhal Singh
14	Prakash	Male	Bhal Singh
15	Vishal Harode	Male	Mallu Harode
16	Pratiksha Soni	Female	Brijmohan Lal
17	Pranjal Bhawsar	Female	Gopal Bhawsar
18	Sachin Dawar	Male	Gurudas Dawar
19	Prashant Rai	Male	Mr. Prakash Rai
20	Aarav Ishi	Male	Sudhakar Ishi
21	Kalu	Male	Ganesh
22	Aarti Patidar	Female	Mr. Girish Patidar
23	Abhinav Yadav	Male	Subhash Yadav
24	Jahana Thobait	Female	Jabbar Thobait
25	Bharti Birla	Female	Harikaran Birla
26	Priya Patil	Female	Subhash Patil
27	Sumit Patidar	Male	Anil Patidar
28	Priyata	Female	Ashok
29	Himanshi Rathor	Female	Gajendra Singh Rathor
30	Aditi Dubey	Female	Vineet Dubey
31	Saurav Kumar Tripathi	Male	Pushpendra Nath Tripathi
32	Akansh Dubey	Male	Raj Mani Dubey
33	Ayush Baghel	Male	Narendrasingh Baghel
34	Mahesh	Male	Vitthal Rao

35	Shiv Kumar Singh Paraste	Male	Bheekham Singh
36	Bhavika Pandagre	Female	Rajendra Kumar Pandagre
37	Anjali Pandey	Female	Akhilesh Prasad Pandey
38	Mukesh Gurjar	Male	Pukhraj
39	Dayaram More	Male	Tarachand More
40	Simran Kushwah	Female	Ganesh Kushwah
41	Saurabh Uddhao Anbhore	Male	Uddhao Anbhore
42	Sohan	Male	Heera
43	Sohan	Male	Heera
44	Jaya Dwivedi	Female	Mr. Raghuwar Dayal Dwivedi
45	Garima Pawar	Female	Baghsingh Pawar
46	Anjali Gangawal	Female	Rakesh Gangawal
47	Ankita Singh	Female	Balwant Singh
48	Prabhat Kumar Mishra	Male	Mithilesh Mishra
49	Vandana Patidar	Female	Ishwar Lal Patidar
50	Tejashwini Mulewa	Female	Mr. Devendra Mulewa
51	Gitika Patidar	Female	Mr. Antim Kumar Patidar
52	Priyanka Kakde	Female	Baburao Kakde
53	Manali Kushwah	Female	Mahesh Kushwah
54	Prachi Dave	Female	Mahesh Dave
55	Sourabh Kumar Jha	Male	Dm Jha
56	Shivani	Female	Omprakash
57	Divya Francis	Female	Cj Francis
58	Nayan Pandey	Female	Prakash Narayan Pandey
59	Deepak	Male	Kalyansingh
60	Renu Nagpure	Female	Jagdish Nagpure
61	Shilpa Tembhare	Female	Mr. Madan Lal Tembhare
62	Aayushi Shrivastava	Female	Sunil Kumar Shrivastava
63	Somya Saxena	Female	Late.Mr Ram Gopal Saxena
64	Prachin Kumar Pandey	Male	Ramgopal Pandey
65	Shalini Nair	Female	Satish Nair
66	Archana Meena	Female	Mr. M.C. Meena
67	Pooja Mourya	Female	Onkar Singh Mourya
68	Rahul Pawar	Male	Hiralal Pawar
69	Vaishali Hatuniya	Female	Dhanraj Hatuniya
70	Amit Bhinde	Male	Motesingh Bhinde
71	Saloni Patwa	Female	Rajkumar Patwa
72	Manish Joshi	Male	Arvind Joshi
73	Anjali Singh	Female	Ashok Singh
74	Pooja Dawar	Female	Punam Dawar
75	Diksha Sad	Female	Chandrashekhar Sad
76	Kala Tadwal	Female	Guman Tadwal
77	Ajay Navange	Male	Sudama Navange
78	Amreen Khan	Female	Maqsood Khan

79	Kratika Dubey	Female	Arun Dubey
80	Shruti Swamy	Female	Gopal Swamy
81	Himanshu Joshi	Male	Rakesh Joshi
82	Anamika Yadav	Female	Chhotelal Yadav
83	Anil	Male	Antarsingh Ji
84	Anjali Khatarkar	Female	Nathya Khatarkar
85	Anjali Kushwah	Female	Dwarka Prasad Kushwah
86	Ankita Pandagre	Female	Panjabrao
87	Shivani Solanki	Female	Ghanshyam Solanki
88	Ankita Sahu	Female	Mukesh Sahu
89	Sanjana Gupta	Female	Omprakash Gupta
90	Yash Saxena	Male	Rajesh Babu Saxena
91	Deepika Tiwari	Female	Satyanarayan Tiwari
92	Mrinal Harde	Female	Milind Harde
93	Kavita Solanki	Female	Bhuresing Solanki
94	Shubham Arya	Male	Sunil Arya
95	Anshika Awasthi	Female	Devnarayan Awasthi
96	Anuj Kumar Gupta	Male	Ramesh Prasad Gupta
97	Dipalee Mandloi	Female	Mahesh Mandloi
98	Amul Chouhan	Male	Ashok Chouhan
99	Apurva Paliwal	Female	Ramgopal Paliwal
100	Sonal Tiwari	Female	Yogesh Tiwari
101	Nikita Choyal	Female	Bhuwaniram Choyal
102	Arati Katara	Female	Mr.Lalchand Katara
103	Shivani Sindal	Female	Shivnarayan Sindal
104	Alok Patidar	Male	Manohar Patidar
105	Harsh Gujar	Male	Arjun Gujar
106	Arti Mansare	Female	Yashwant Mansare
107	Ashish Rathore	Male	Prem Singh Rathore
108	Shivansh Singh Rajput	Male	Ramesh Singh
109	Atul Bisen	Male	Prahlad Bisen
110	Awantika Mishra	Female	Virendra Kumar Mishra
111	Prakrati Patidar	Female	Omprakash Chawda
112	Awesh Sheikh	Male	Saeed Sheikh
113	Ayushi Balsara	Female	Gopal Balsara
114	Ayushi Yadav	Female	Santosh Yadav
115	Bharti Sahu	Female	Bholaprasad Sahu
116	Ashish Kumar Patel	Male	Ram Suphal Patel
117	Bindu	Female	Mohan Lal
118	Budhrav Kochle	Male	Hariram
119	Dhanraj Prajapati	Male	Narayan Prajapati
120	Pavan Kumar Chaturvedi	Male	Santosh Chaturvedi
121	Dharamsingh Waskle	Male	Gyansingh Waskle
122	Diksha Gupta	Female	Mr. Vinod Kumar Gupta

123	Laxmikant Pandey	Male	Kailash Prasad Pandey
124	Sukhdeep Singh Tuteja	Male	Satendra Singh Tuteja
125	Diksha Namdev	Female	Mr. Suresh Namdev
126	Shubham Sharma	Male	Rakesh Sharma
127	Vandana Chouhan	Female	Ramesh Chouhan
128	Pragya Tomar	Female	Dharmendra Singh Tomar
129	Ashwin Gupta	Male	Rameshwar Gupta
130	Sonam Jat	Female	Narayan Jat
131	Neha Jat	Female	Rajesh Jat
132	Dilip	Male	Santosh
133	Ronali Ransing	Female	Sanjay Ransing
134	Kumudini Nagpure	Female	Dilip Kumar Nagpure
135	Rajnandani Rathore	Female	Rajendra Rathore
136	Rajesh Sitole	Male	Tukaram Sitole
137	Sonika Jamra	Female	Nanuram Jamra
138	Shital Chatarji	Female	Bhuvaniram Chatarji
139	Nisha Meena	Female	Ramlakhan Meena
140	Pooja Panwar	Female	Gourishankar Panwar
141	Basant Changod	Male	Kantilal Changod
142	Divya Baghel	Female	Ratan Singh Baghel
143	Nisha Sen	Female	Mr. Ghanshyam Sen
144	Ashwin More	Male	Andas More
145	Divya Singh	Female	Markandey Singh
146	Diya Dhakad	Female	Devilal Dhakad
147	Ekta Rathi	Female	Vinay Rathi
148	Raksha Malviya	Female	Hariom Malviya
149	Sonam Chakrawarti	Female	Kanchhedi Chakrawarti
150	Ganesh Yadav	Male	Shivaji Yadav
151	Deepak Kumar More	Male	Mannalal More
152	Kajal Singh	Female	Jamdar Singh
153	Govind Rathore	Male	Harisingh Ratohore
154	Amreen Khan	Female	Mukhtar Khan
155	Hariom Sisodiya	Male	Mohan Sisodiya
156	Hemlata	Female	Punaji
157	Hitesh Namdev	Male	Kanhiyalal Namdev
158	Ishwar Dabi	Male	Bapu Singh Dabe
159	Janak Prasad Upmanyu	Male	Br Upmanyu
160	Jayant Dhurvey	Male	Indal Singh Dhurve
161	Jaysingh Waskle	Male	Antarsingh Waskle
162	Kajal Pandey	Female	Mr. Dinesh Prasad Pandey
163	Kamlesh Kanoje	Male	Dalshing Kanoje
164	Pooja Muwel	Female	Balram Muwel
165	Purvi Kakani	Female	Manoj Kakani
166	Kavita Prajapati	Female	Dinesh Prajapati

167	Kavita Sitole		
168	Kritika Namdev	Female	Virendra Namdev
169	Ku. Shivani Jaiswal	Female	Dilip Jaiswal
170	Lokesh Dhuliye	Male	Prakash
171	Mahima Neema	Female	Jagdish Neema
172	Manish Bharti	Male	Madhu Bharti
173	Manisha Meena	Female	Ramsing Meena
174	Manvendra Prabhat	Male	Ramnaresh Singh Prabhat
175	Meena Mukati	Female	Kailash Mukati
176	Megha Pathriya	Female	Rajesh Pathriya
177	Mona Khedekar	Female	Nanuram Khedekar
178	Monika Katariya	Female	Mr. H.S. Katariya
179	Muskan Chouhan	Female	Vinod Chouhan
180	Muskan Joshi	Female	Mukesh Joshi
181	Purvi Kakani	Female	Manoj Kakani
182	Sakshi Singh	Female	Rampal Singh
183	Muskan Sahu	Female	Vinay Kant Sahu
184	Nancy Sawle	Female	Ramu Sawle
185	Neeraj Vanjare	Male	Vasudev Vanjare
186	Neha Bisen	Female	Jitendra Bisen
187	Nikita Yadav	Female	Devkaran Yadav
188	Niranjan Malviya	Male	Anokhilal Malviya
189	Nitika Malviya	Female	Mahesh Malviya
190	Nitin Kumbhare	Male	Baburao Kumbhare
191	Osheen Khan	Female	Shafique Khan
192	Pallavi Baraskar	Female	Akosh Rao Baraskar
193	Pallavi Sankhla	Female	Yogendra
194	Parag Bhati	Male	Mahesh Bhati
195	Parag Namdev	Male	Komal Prasad Namdev
196	Paridhi Rathod	Female	Late Praveen Rathod
197	Parvez Pathan	Male	Aashik Pathan
198	Pooja Lobaniya	Female	Santosh Chouhan
199	Prachi Sachdeva	Female	Jitendra Sachdeva
200	Pradeep Narwe	Male	Dalpat Narwe
201	Pragati Bhadoriya	Female	Devendra Singh Bhadoriya
202	Prashant	Male	Durgadas
203	Pratibha Mandloi	Female	Sanjay Mandloi
204	Shalu Patel	Female	Mr. Dilip Kumar Patel
205	Praveen Bhopte	Male	Pandhari Bhopte
206	Sonali Lohare	Female	Bhatu Lohare
207	Premlata Bhanwar	Female	Madan Singh Bhanwar
208	Premlata Deshmukh	Female	Gangadhar Deshmukh
209	Prerana Sawant	Female	Ratnesh Sawant
210	Priya Jain	Female	Pavan Jain

211	Priyanka Baghel	Female	Radheshyam Baghel
212	Priyanka Bhadoriya	Female	D C Bhadoriya
213	Aakansha Sulakhe	Female	Ramesh Sulakhe
214	Priyanka Shrivastava	Female	Rakesh Khare
215	Pushpa Choudhary	Female	Devram Choudhary
216	Pushpraj Patel	Male	Nandulal Patel
217	Ayush Silawat	Male	Kamal Silawat
218	Rahul Muvel	Male	Antar Singh
219	Rajesh Lowanshi	Male	Mohan Lowanshi
220	Rajkumari Kag	Female	Heeralal Kag
221	Rashmi Yadav	Female	Mohit Yadav
222	Ravi Rathore	Male	Anar Singh Rathore
223	Raviraj Hirve	Male	Ramesh Hirve
224	Sapna Varma	Female	Sitaram Varma
225	Reena Dangi	Female	Mangilal Dangi
226	Roshni Dawar	Female	Pratap Dawar
227	Anjali Singh	Female	Mudrika Prasad Singh
228	Rishabh Patle	Male	Jiwan Lal Patle
229	Santosh Prajapati	Male	Amar Singh Prajapati
230	Muskan Pal	Female	Jaynarayan Pal
231	Rishabh Pawar	Male	Suner Singh Pawar
232	Rishika Parihar	Female	Pradeep Singh Parihar
233	Alsaba Khan	Female	Ashraf Khan
234	Ritesh Gangle	Male	Dinesh Gangle
235	Ritik	Male	Mohanlal
236	Riya Chouhan	Female	Thansingh Chouhan
237	Rohit Baghel	Male	Pratap Singh
238	Rohit Chouhan	Male	Mangilal Chouhan
239	Rudra Pratap Singh	Male	Tejbahadur Singh
240	Rupam Panwar	Male	Dayaram Panwar
241	Sachin Gothi	Male	Santosh Gothi
242	Diksha Thakur	Female	Gulab Singh Thakur
243	1	Female	Mr Sanjay Kumar Sharma
244	Ritik	Male	Santosh
245	Bharti Birla	Female	Harikaran Birla
246	Nirmala Panola	Female	Dinesh Panola
247	Nidhi Yadav	Female	Deendayal Yadav
248	Payal Rathor	Female	Jugalkishor Rathor
249	Sahil Khan	Male	Salim Khan
250	Sunita Malviya	Female	Devram Malviya
251	Bhavna Patel	Female	Haresingh Patel
252	Vijay Ahirwal	Male	Hari Ahirwal
253	Sakshi Jadav	Female	Ramgopal Jadav
254	Sakshi Kori	Female	Raju Kori

255	Saloni Patwa	Female	Rajkumar Patwa
256	Akshay Patle	Male	Chhaiyalal Patle
257	Abhishek	Male	Mukesh Yadav
258	Kajal Yadav	Female	Subhash Yadav
259	Budhrav Kochle	Male	Hariram
260	Saniya Khan	Female	Meharban Khan
261	Shalini Shrivastava	Female	Mr. Bhushan Shrivastava
262	Sanjay Solanki	Male	Gangaram Solanki
263	Divya Singh	Female	Arun Pratap Singh
264	Neha	Female	Rajnish Kumar Pandey
265	Pooja Singh Chouhan	Female	Ajay Singh Chouhan
266	Sanju Makwana	Female	Bhanwarlal
267	Nayana Deshmukh	Female	Nayan Kumar Deshmukh
268	Pranita Dhake	Female	Madhukar Dhake
269	Sapna Varma	Female	Sitaram Varma
270	K Ankita Rao	Female	K V Ramna Rao
271	Pravin Jamod	Male	Jagannath Jamod
272	Deepak Rathore	Male	Lal Singh Rathore
273	Ashik Dawade	Male	Gheeshalal Dawade
274	Shivangi Vani	Female	Sanjay Vani
275	Certificate Course Chemistry	Male	Jorsingh Baghel
276	Satveer Jatav	Male	Jashwant Singh
277	Saurabh Kumar Nigam	Male	Satya Praksh Nigam
278	Sheetal Gurjar	Female	Virendra Gurjar
279	Shivanee Dhariwal	Female	Avinash Dhariwal
280	Shivani Patidar	Female	Mukesh Patidar
281	Shivani Solanki	Female	Trilok Singh Solanki
282	Shraddha Patidar	Female	Manoj Patidar
283	Shrasti Shrivastav	Female	Kishore Shrivastav
284	Smriti Tiwari	Female	Uma Shankar Tiwari
285	Sneha Patel	Female	Ramesh Prasad Patel
286	Sneha Tiwari	Female	Mr. Ravi Shankar Tiwari
287	Soniya Bhabor	Female	Joravar Singh Bhabor
288	Sonu Rathore	Female	Rajesh Rathore
289	Prithmi Pandit	Female	Algu
290	Sumit Gangle	Male	Vijay Gangle
291	Sunita Ahirwar	Female	Late Mr. Hukamchan Ahirwar Ram
292	Surbhi Gupta	Female	Ashok Gupta
293	Suresh Silavat	Female	Kailash Jirati
294	Sushil	Male	Radheshyam
295	Simran Bhati	Female	Ajay Bhati
296	Sushmita Chouhan	Female	Jagdish Chouhan
297	Arshi Anjum Shaikh	Female	Abdul Rashid Shaikh
298	Tanuja Nailwal	Female	Shambhu Datt Nailwal

299	Mohini Raturi	Female	Anil
300	Tarawati Vankhede	Female	Gangaram
301	Tushar Washwani	Male	Anil Wadhwani
302	Tusharika Shukla	Female	Mr Ram Kumar Shukla
303	Abhilasha Mishra	Female	Kamta Prasad Mishra
304	Neha Sharde	Female	Surendra
305	Preeti Patel	Female	Chandrabhan Patel
306	Vaishnavi Jat	Female	Rajesh Jat
307	Vedika Yadav	Female	Badri Yadav
308	Neha Bairagi	Female	Premdas Bairagi
309	Vibha Malviya	Female	Rajendra Malviya
310	Vijay Dhote	Male	Devrao Dhote
311	Tejeshwar Ajner	Male	Dayaram Ajner
312	Rahul Dhanak	Male	Vijay Dhanak
313	Vinita Osari	Female	Chhotiya Osari
314	Yash Kumari Rathod	Female	Mahendra Sing Rathod
315	Yogendra	Male	
316	Yogita Yadav	Female	Ram Yadav
317	Sumit Patidar	Male	

Professor Anil Hema
Department of Chemistry
Govt. Holkar Sc. College, INDORE

14.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Chemistry has successfully completed the value-added certificate course titled **"Analytical aspects of chemistry for industry"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Chemistry
Professor And Head
Department of Chemistry
Govt. Holkar Sc. College, INDORE

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

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15.
Fundamental of GIS using Open-Source Software

15.1 Brochure: -

Online Certificate Course on

Fundamentals of GIS using Open Source Software

Organized by

Department of Geology & Geography,

Govt. Holkar (Model, Autonomous) Science College, Indore

From 13th - 25th Sept. 2021

About the course:

This certificate course is aimed at learning of fundamental concepts of Geographical Information System using by both theory and intensive practical sessions using open source geospatial software QGIS. After completing this course participant will learn 1) Basics of GIS, 2) GIS Data creation, 3) Map preparation, 4) Data exploration, query, spatial analysis and 5) Basics of web-based GIS.

Who can join:

This course is for the students/professionals who are computer savvy and strongly willing to learn geospatial technology and fulfill any of the following requirements:

- M.Sc./ M.Tech. in Geology or M.A./ M.Sc. in Geography or
- Research Scholars or
- Working Professionals of Geology and Geography.

Mandatory- The participant must be comfortable and efficient in using computers and he/she must have a laptop/Desktop with internet facility.

Number of seats:

The total number of seats is 30.

Award of certificate:

After successful completion of course the certificate will be provided to only those

1) Who complete the daily assignment within stipulated time; &
2) Who have attendance 80% or above.

If somebody is absent for two consecutive days then he/she will not be able to continue the course. Based on the assessment the grades will be given and mentioned in the certificate.

Online class timings:

Every day from 2.30 PM to 5.00 PM. There will be no class on Sunday.

Course Fee: Rs. 400/-. Link for online payment will be sent to the shortlisted candidates.

How to apply:

Application is online and the last date is 29th August 2021.

Link for online application - https://forms.gle/xHjm6ZDvQ5gRUhW38

Required Documents (scanned copy):

- For students a copy of self-attested mark sheet of M.A./ M.Sc./M. Tech. Final.
- For Research Scholars a copy of Ph. D. Registration Letter.
- For employees any proof of their employment viz. ID Card or Letter from the Head of the organization/ department/ division etc.

Course Coordinator:

Dr. Shailesh Chaure

Contact No.: 9893035078; email : geologyhsc@gmail.com

Dr. Vishnu Gadgil
Head, Dept. of Geology
Mob No.9425384421

Dr. Suresh Silawat
Principal
Govt. Holkar Science College, Indore

15.2 Resource Person: -

Certificate Course on
Fundamentals of GIS Using Open Source Software

Names of resource persons -

1) Prof. Biplab Biswas, Dept of Geography, University of Birdhwan, WB
2) Prof. Seema Jalan, Dept of Geography, Mohanlal Sukhadiya University, Udaipur, Raj.
3) Prof. Monika Kannan, Dept of Geography, Sohpia Girls College, Ajmer, Raj
4) Dr. Shailesh Chaure, Dept of Geology, Govt. Holkar Science College, Indore

15.3 Syllabus: -

1.6

Department of Geology, Govt. Holkar (Modal, Autonomous) Science College, Indore

Certificate Course on Fundamental of GIS using Open source Software

Syllabus

This certificate course is designed for general orientation and basic awareness about the rapidly emerging geospatial technology. The course is aimed at learning of fundamental concepts of Geographical Information System using by both theory and intensive practical sessionsusing open source geospatial software mainly QGIS and SAGA (System for Automated Geoscientific Analyses).

Fundamentals of GIS- Introduction of Geographical Information system, GIS data types and Applications of GIS and Introduction to open source GIS software.

Basics of map projection – Map scale and common types of map projections

Georeferencing – Georeferencing scanned maps, SOI topographical maps and satellite imagery.

Digitization – Digitization of point,line and polygons features, editing features, adding style to the features.

Data collecting from other sources – How to digitize features from google Earth and open then in GIS software. Collecting and importing data from GPS.

Map preparation – Symbology, labelling and map composition.

Data Exploration – How to view existing data and see attribute tables and features information

Working with tables – Importing external data from MS Excel and CSV files and joining tables

Data Query– Attribute based query and spatial query.

Spatial analysis – Basics of spatial analysis and common functions used in spatial analysis, decision making using multi criteria analysis.

Watershed delineation – Delineation of watershed from SOI topographical mapsby manual digitization and automatic delineation of watershed from DEM.

Introduction of Web-GIS – Basics of web-GIS, characteristics advantages and open source tools for Web-GIS.

15.4 Students List: -

Department of Geology, Govt.Holkar Science College, Indore

Course on

Fundamentals of GIS using Open Source Software

Date 13 Sept. 2021- 25 Sept. 2021

List of Participants

SNo.	Name	Father's Name
1	Mr. Abishek Verma	Umashankar Prasad
2	Mr. Ajay Singh Bharti	Samru Lal Bharti
3	Ms. Akansha Keshariya	Hukamchand Keshariya
4	Mrs. Angela Victor	Rajesh Victor
5	Ms. Ankita Ray	Amal Ray
6	Mr. Ashutosh Kumar Tripathi	Jyoti Shanker Tripathi
7	Mr. Avanish Mishra	Om Prakash Mishra
8	Ms. Divya Rathore	Ishwar Singh
9	Dr. Ajay Vikram Singh Chandela	Ajeet Singh Chandela
10	Dr. Parul Dubey	Mr.A.P. Dubey
11	Dr. Roohi Ansari	Mr. A. H. Ansari
12	Ms. Keshar Banpela	B. R. Sahu Banpela
13	Ms. Madhumitha B	Balaji P
14	Mr. Mohd Faizan Khan	Mohd Haneef
15	Mr. Prashant Mishra	Lt. Shri N.K.Mishra
16	Mr. Rahul Dawar	Mukam Singh
17	Mr. Rajat Yadav	Reni Kumar
18	Mr. Tarif Mehmood	Talib Hussain
19	Mr. Th Shyamal Singha	Late Th Manibabu Singha

Head
Department of Geology
Govt. (Model, Autonomous) Holkar Science College
Indore (M.P.)

15.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Geology has successfully completed the value-added certificate course titled "**Fundamental of GIS using open source software"** in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Geology

Head
Department of Geology
Govt. (Model, Autonomous) Holkar Science College
Indore (M.P.)

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

16.

Synthesis and Characterization of Materials

16.1 Brochure: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

SESSION 2021-2022

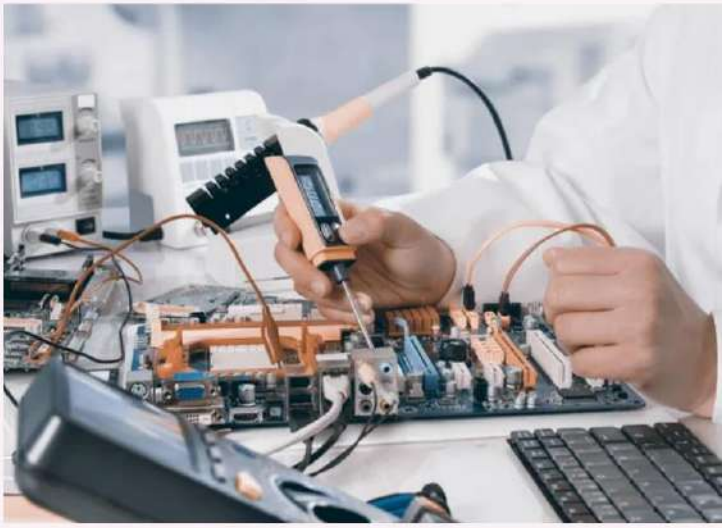
Organized by Department of Electronics

Certificate Course on Synthesis and Characterization of Materials

Course schedule : 20th April 2022 to 14th May 2022

Focal Theme : Skill Development for Employability

Duration:
60 Hours
Hybrid Mode



Course Highlights

1. In-depth material synthesis exploration.
2. Wide range of characterization methods.
3. Analyzing material properties adeptness.
4. Extensive hands-on lab exposure.
5. Research-oriented skill development.
6. Industry and academia material science pathways.

For any query: Contact Prof. Jai Prakash Yadav, Department of Electronics

Course Learning Outcomes

1. Advanced understanding of material synthesis methods.
2. Proficiency in characterization techniques like spectroscopy and microscopy.
3. Skills in analyzing material properties and structures.
4. Hands-on experience with lab equipment.
5. Ability to contribute to research and development in materials science.
6. Preparation for roles in industries or academia focused on materials.

Course Coordinator:
Dr. Netram Kaurav
Professor & Head
Department of Electronics

Patron:
Dr. Suresh T. Silawat
Principal

16.2 Syllabus: -

Govt. Holkar (Model, Autonomous) Science College, Indore
Department of Physics
Syllabus Session 2021-22

Title of Certificate Course:	**Synthesis and Characterization of Materials**
Course Code	**SCM**
Credit:	**4**

Part A: Introduction		
1	Certificate Course Description:	This certificate course comprises the fundamental principles of different classes of synthesis of materials and characterization techniques. The course discusses characterization techniques used for chemical and structural analysis of materials, including metals, ceramics, polymers, composites, and semiconductors. The topics include important synthesis routes, spectroscopic, microscopic and other methods for materials characterization.
2	Pre-requisite (if any)	B. Sc degree with physics/chemistry/applied physics/materials science as one of the subject.
3	Course Objectives	• To introduce the materials characterization techniques to the students • Help the students to understand the instrumentation aspects • To provide a detailed understanding of data interpretation • To provide hands on experience of the characterization techniques
	Course Learning Outcomes	• Students will learn the sample preparation methods and sample handling • Students will acquire the ability to analyse the data obtained from the techniques • The student will be able to identify the ideal method of analysis to draw the required information • Student will be able to plan their research proposals for higher studies. • Students will be able to design, modify, write their research methodology.

Part B-Content of the Course भाग ब - पाठयक्रम की विषयवस्तु		
Total No. of Lectures-Tutorials-Practical: 60 hours व्याख्यानों- ट्यूटोरियल -प्रायोगिक कक्षाओ की कुल संख्या: 60 घंटे		
Module	**Topics**	**No. of hours**
Synthesis techniques	**Bulk Materials Synthesis**-solid state reaction method, sol-gel method and combustion synthesis **Nanoparticles Synthesis –** top-down and bottom-up approaches. **Thin Films synthesis**- nucleation and growth kinetics, basic modes of thin film growth, stages of film growth and mechanisms, dip coating, spin	**15**

	coating, sputtering, plus laser deposition, chemical vapor deposition techniques.	
Characterization Techniques	**Structural Techniques:** X-ray diffraction **Spectroscopic methods-** UV-visible, Infrared and Raman **Electron spectroscopies** - X-ray photoelectron spectroscopy, Auger electron spectroscopy **Electron microscopy-** EDS, scanning electron microscopy, field emission scanning electron microscope, transmission electron microscope. **Scanning Probe Microscopies:** atomic force microscope and scanning tunneling microscope. **Others-** LCR meter and physical properties measurements system.	**15**
Hands-on/Fieldwork	Project/Internship	**30**

Part C-Learning Resources
भाग स - अनुशंसित अध्ययन संसाधन

Text Books, Reference Books, Other resources
पाठय पुस्तकें, संदर्भ पुस्तकें, अन्य संसाधन

1. Y. Leng, Materials Characterisation: Introduction to Microscopic and Spectroscopic Methods, John Wiley & Sons (Asia), 2008.
2. S. Zhang, Lin Li, A. Kumar, Materials Characterisation Techniques, CRC press, 2008.
3. R.M. Silverstein, Spectrometric identification of organic compounds, 7th ed., John Wiley and Sons, 2007.
4. C.R. Brundle, C.A. Evans, S. Wilson, Encyclopedia of Materials Characterisation, Butter worth Heineman, 1992.
5. K. J. Klabunde and R.M. Richards (Eds.), Nanoscale Materials in Chemistry, 2nd Edn., John Wiley & Sons, 2009.
6. T. Pradeep, Nano: The Essentials, McGraw-Hill (India) Pvt Limited, 2008.
7. Bharat Bhushan, (Ed.), Handbook of Nanotechnology, Springer, 2007.
8. Cao, G., Nanostructures and Nanomaterials Synthesis, Properties, and Applications, Imperial College Press, 2004.

Part D- Assessment and Evaluation
भाग द - अनुशंसित मूल्यांकन विधियां

Title	CCE	Min. Marks	Ter end Exam	Min. Marks	Total
Theory	10	4	40	14	50
Project/Internship	--	--	50	17	50

16.3 Students List: -

Govt. Holkar(Model, Autonomous) Science College, Indore (M.P)
Department of PHYSICS
Subject : Certificate Course on Synthesis and Characterization of Materials
SESSION -2021-22

S. No.	UNIV-ENROLLEMENT NO.	ROLL NO.	NAME OF STUDENT	FATHER'S NAME	MOTHER'S NAME	INTERNAL ASSESSMENT (10 MARKS)	EXTERNAL ASSESSMENT (40 MARKS)	PRACTICAL/ PROJECT ASSESSMENT (50 MARKS)	GRADE
1	DS/20/18388	SCM01	CHIDAMBRA SHARMA	SUDHEER SHARMA	NANDINI SHARMA	9	36	46	A
2	DS/16/02786	SCM02	DEEPAK KUMAR PATIDAR	LALCHAND PATIDAR	DWARKI BAI	8	38	48	A
3	DS/12/90371	SCM03	DISHA HIRANKHARE	PRAMOD HIRANKHARE	LALITA HIRANKHARE	9	38	48	A
4	DS/20/15054	SCM04	JAGDEEP YADAV	GOKUL PRASAD YADAV	GYARSI YADAV	8	36	47	A
5	DS/17/19331	SCM05	NIKHIL PATIL	SURESH PATIL	CHHAYA PATIL	9	37	48	A
6	DS/20/15058	SCM06	RAHUL VISHWAKARMA	BALRAM	LALITA	9	36	45	A
7	DS/20/15060	SCM07	RAJEEV DWIVEDI	UMESH KUMAR DWIVEDI	REKHA DWIVEDI	8	38	45	A
8	DS/20/15063	SCM08	SANDEEP PANDEY	RAJESH PANDEY	VARSHA PANDEY	9	37	46	A
9	DS/17/06423	SCM09	SHOAIB PATAN	IATEEF PATHAN	SHABNUR PATHAN	9	38	48	A
10	DS/17/13121	SCM10	SHRUTI VYAS	RAKESH VYAS	VINITA VYAS	8	37	46	A
11	DS/20/15064	SCM11	SOUMYA SHUKLA	MUKESH SHUKLA	BHAVNA SHUKLA	9	36	47	A
12	DS/17/04429	SCM12	SUMIT KEWAT	PRABHU KEWAT	ANNPURANA KEWAT	8	37	45	A

Co-ordinator

HOD
Department of Physics

16.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course.

Respected Sir,

The Department of Physics has successfully completed the value-added certificate course titled "**Synthesis and Characterization of Materials**" in the session 2021--2022. Kindly, issue certificates to the students who have successfully completed the aforementioned course as per the enclosed student list.

Enclosure: List of Students

Coordinator
Department of Physics

Verified by IQAC

IQAC Coordinator
Government Holkar (Model, Autonomous)
Science College, Indore

17.
French Language Course

17.1 Brochure: -

17.2 Syllabus: -

Government Holkar (Model Autonomous) Science College, Indore
Department of English

SESSION PLAN & SYLLBUS FOR CERTIFICATE COURSE

SUBJECT: French Course

FACULTY: MADHURI MEHTA

LECTURE NO.	TOPICS COVERED
1.	Introduction and greetings
2.	Articles definite and indefinite
3.	Numbers cardinal
4.	Ordinal Numbers
5.	Months and Days of the week
6.	Date writing
7.	Date writing
8.	Introduction to groups of verbs and persons
9.	1st group verbs
10.	1st group verbs
11.	Sentences of 1st group verbs
12.	Irregular verbs and sentences
13.	Internal test
14.	Translation of sentences
15.	Interrogative sentences
16	Framing questions
17.	Framing Questions
18.	2nd group verbs
19.	2nd group verbs
20.	Sentences on 2nd group
21.	Plural forms
22.	3rd group verbs
23.	3rd group verbs
24.	Sentences on 're' verbs
25.	Translation of sentences in French
26.	Translation of sentences in English
27.	Possessive adjectives
28.	Possessive adjectives

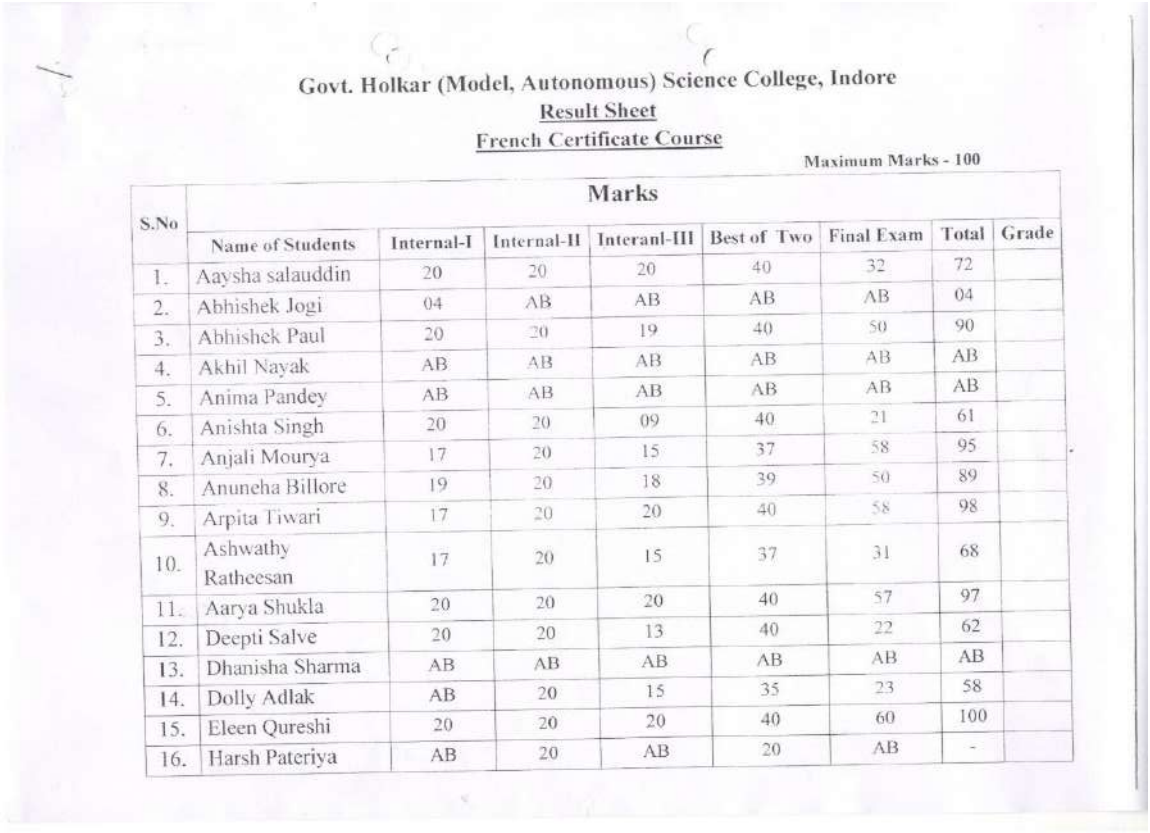
29.	Sentences on possessive adjectives
30.	Adjectives
31.	Sentences on adjectives
32.	Professions and exercise on professions
33.	Partitive articles
34.	Contracted articles
35.	Nationalities
36.	Prepositions and exercises
37.	Votre fiche d'identite
38.	Introduction of oneself
39.	Time showing
40.	Past tense
41.	Past tense
42.	Future tense
43	Internals
44	Assignment and presentation
45	Revision and presentation

HOD

Department of English

Head
Department of English
Govt. Holkar Science College,
Indore (M.P.)

17. 3 Student Mark List: -



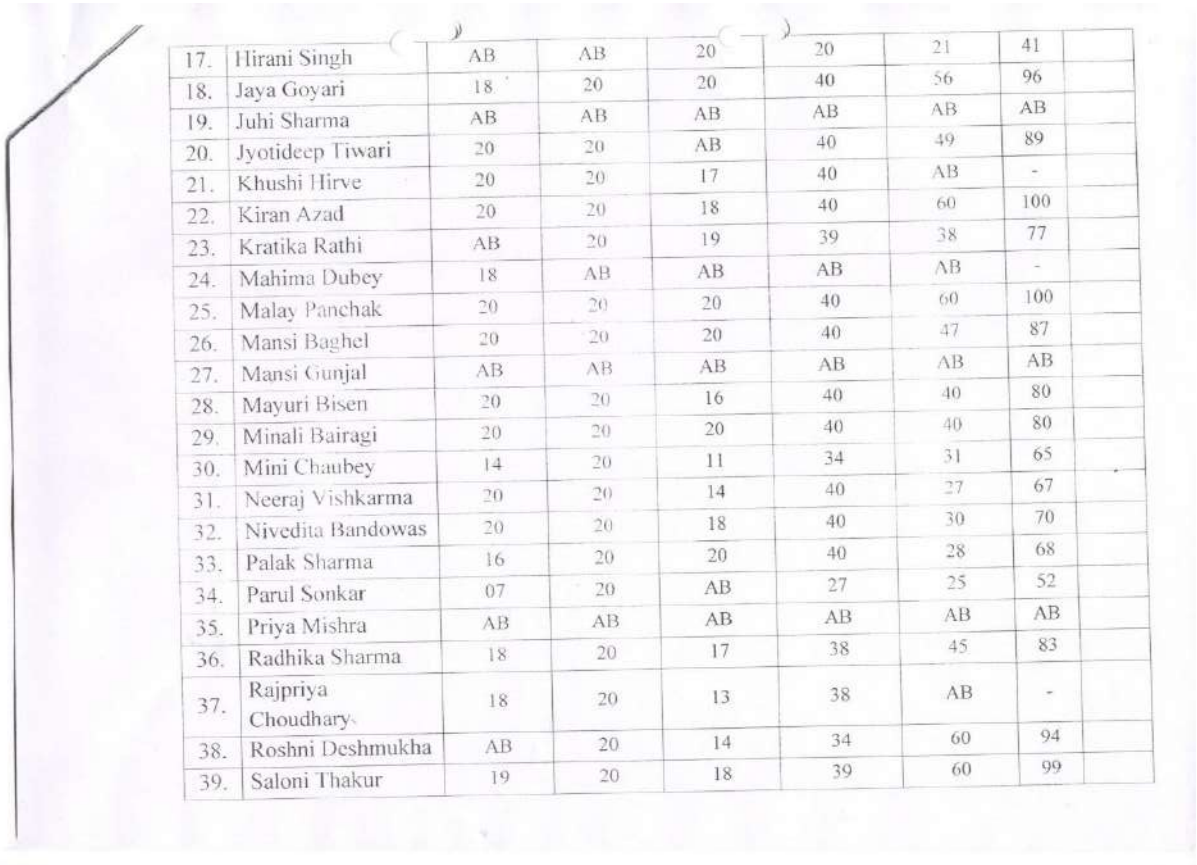
Govt. Holkar (Model, Autonomous) Science College, Indore

Result Sheet

French Certificate Course

Maximum Marks - 100

S.No	Name of Students	Marks						
		Internal-I	Internal-II	Interanl-III	Best of Two	Final Exam	Total	Grade
1.	Aaysha salauddin	20	20	20	40	32	72	
2.	Abhishek Jogi	04	AB	AB	AB	AB	04	
3.	Abhishek Paul	20	20	19	40	50	90	
4.	Akhil Nayak	AB	AB	AB	AB	AB	AB	
5.	Anima Pandey	AB	AB	AB	AB	AB	AB	
6.	Anishta Singh	20	20	09	40	21	61	
7.	Anjali Mourya	17	20	15	37	58	95	
8.	Anuneha Billore	19	20	18	39	50	89	
9.	Arpita Tiwari	17	20	20	40	58	98	
10.	Ashwathy Ratheesan	17	20	15	37	31	68	
11.	Aarya Shukla	20	20	20	40	57	97	
12.	Deepti Salve	20	20	13	40	22	62	
13.	Dhanisha Sharma	AB	AB	AB	AB	AB	AB	
14.	Dolly Adlak	AB	20	15	35	23	58	
15.	Eleen Qureshi	20	20	20	40	60	100	
16.	Harsh Pateriya	AB	20	AB	20	AB	-	



17.	Hirani Singh	AB	AB	20	20	21	41	
18.	Jaya Goyari	18	20	20	40	56	96	
19.	Juhi Sharma	AB	AB	AB	AB	AB	AB	
20.	Jyotideep Tiwari	20	20	AB	40	49	89	
21.	Khushi Hirve	20	20	17	40	AB	-	
22.	Kiran Azad	20	20	18	40	60	100	
23.	Kratika Rathi	AB	20	19	39	38	77	
24.	Mahima Dubey	18	AB	AB	AB	AB	-	
25.	Malay Panchak	20	20	20	40	60	100	
26.	Mansi Baghel	20	20	20	40	47	87	
27.	Mansi Gunjal	AB	AB	AB	AB	AB	AB	
28.	Mayuri Bisen	20	20	16	40	40	80	
29.	Minali Bairagi	20	20	20	40	40	80	
30.	Mini Chaubey	14	20	11	34	31	65	
31.	Neeraj Vishkarma	20	20	14	40	27	67	
32.	Nivedita Bandowas	20	20	18	40	30	70	
33.	Palak Sharma	16	20	20	40	28	68	
34.	Parul Sonkar	07	20	AB	27	25	52	
35.	Priya Mishra	AB	AB	AB	AB	AB	AB	
36.	Radhika Sharma	18	20	17	38	45	83	
37.	Rajpriya Choudhary	18	20	13	38	AB	-	
38.	Roshni Deshmukha	AB	20	14	34	60	94	
39.	Saloni Thakur	19	20	18	39	60	99	

40.	Saloni Tiwari	20	20	18	40	55	95	
41.	Sanskriti Agrawal	20	20	18	40	56	96	
42.	Shamama Shakeel	12	20	AB	32	AB	-	
43.	Sheetal Yadav	AB	20	19	39	AB	-	
44.	Shivang Pandey	AB	AB	AB	AB	AB	AB	
45.	Shivani Khelwal	20	20	19	40	46	86	
46.	Shriya Chaurasiya	20	20	20	40	56	96	
47.	Shruti Singh Baghel	18	20	19	39	57	96	
48.	Shubham Patil	19	AB	17	36	40	76	
49.	Shubhangi Soni	20	20	19	40	46	86	
50.	Shuriti Rathore	20	20	20	40	59	99	
51.	Simran Thawani	20	20	18	40	60	100	
52.	Tanmay Rane	20	20	18	40	35	75	
53.	Urja Sahu	20	20	17	40	36	76	
54.	Vrind Gour	16	20	14	36	31	67	
55.	Yogendran Kumar Pandey	20	20	17	40	28	68	

Madhuri Mehta
Signature of Valuer

Madhuri Mehta

Head
Department of English

17. 4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2021-2022).

Respected Sir,

The Department of English has organised the value-added certificate course on **"French Language Course"** successfully in the session 2021 -2022. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Convener
Department of English

Head
Department of English
Govt. Holkar Science College,
Indore (M.P.)

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

18.

Nursery Management of Medicinal Plants

18.1 Brochure: -

Value Added Course

10 Days Training Program

On

"Nursery Management of Medicinal plants"

Organized By:
Department of Botany,
Govt. Holkar Science College, Indore
Dated: 03 December 2021 to 13 December 2021

Patron: Dr. Suresh T. Silawat,
Additional Director, Indore-Division & Principal,
Govt. Holkar Science College, Indore

Convenor: Dr. Priti Chaturvedi
Prof., Department of Botany

Venue
Department of Botany,
Govt. Holkar Science, College,

18.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department Of Botany
Value Added / Certificate Course on Nursery Management of Mediational Plants

Syllabus

Course Outcome: Standardized nursery practices and agrotechnology, Generation of knowledge towards cultivation practices will reduce the dependence on collection of raw material from wild to meet the market demand, thereby conserving the biodiversity. Knowledge regarding medicinal property and uses of medicinal plants in our daily life. Student of Botany can start own business and become entrepreneur.

Module 1: Introduction to Medicinal Plant Nursery Management:

- Fundamentals of Cultivation: Students will learn about the basic principles of growing medicinal plants in a nursery setting, including soil requirements, watering, sunlight, and temperature control.
- General Management: Students will learn about different management practices involved in nursery management of medicinal plants, such as propagation techniques, pest and disease management, and pruning.
- General Introduction: Students will be introduced to the different medicinal plants that can be grown in a nursery and their uses.
- Habit and Habitat: Students will learn about the natural habitats and growth patterns of medicinal plants, and how to create similar conditions in a nursery setting.

Module 2: Characteristics and Uses of Medicinal Plants in Nursery Management:

- Important Characters: Students will learn how to identify different medicinal plants based on their physical characteristics, such as leaf shape, color, texture, and odor.
- Flowering and Fruiting Season: Students will learn about the timing of flowering and fruiting of different medicinal plants, and how it relates to their growth and propagation in a nursery.
- Useful Parts and Time of Collection: Students will learn about the different parts of medicinal plants that are used in herbal remedies, such as roots, leaves, flowers, and seeds. They will also learn about the optimal time for harvesting these parts.
- Substitutes and Adulterants: Students will learn about the different plant species that can be used as substitutes for medicinal plants and how to avoid adulteration in the nursery setting.

Module 3: Propagation Techniques for Medicinal Plants in Nursery Management:

- Seed Propagation: Students will learn about the different seed propagation techniques for medicinal plants, including direct seeding and seedling transplanting.
- Vegetative Propagation: Students will learn about the different vegetative propagation techniques, such as cuttings, layering, and division.

- Tissue Culture Propagation: Students will be introduced to the concept of tissue culture and how it can be used for mass propagation of medicinal plants in a nursery setting.

Module 4: Nursery Design and Management:

- Nursery Design: Students will learn about the different factors to consider when designing a medicinal plant nursery, such as location, layout, and infrastructure.
- Inventory Management: Students will learn about inventory management techniques, such as record keeping, stocktaking, and forecasting.
- Marketing and Sales: Students will be introduced to marketing strategies for medicinal plants in a nursery setting, including branding, packaging, and distribution.

Module 5: Certification and Quality Control in Medicinal Plant Nursery Management:

- Certification: Students will learn about the different certification programs available for medicinal plant nurseries, such as organic certification and Fair-Trade certification.
- Quality Control: Students will learn about the different quality control measures for medicinal plants, such as testing for purity, potency, and safety.
- Compliance: Students will be introduced to different compliance requirements for medicinal plant nurseries, such as environmental regulations and labor laws.

Approved

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

18.3 Students List: -

7	List of Participants	

S.no	NAME
1	ANCHAL PATLE
2	ARJUN
3	BHUPENDRA
4	DIKSHA PATIDAR
5	EKTA HATKAR
6	GAURAV SHARMA
7	JITENDRA VERMA
8	KALITA DUDVE
9	KU. KIRAN PATIDAR
10	KUNJALATA MEENA
11	KUWAR SINGH DAWAR
12	LAKSHMI MEHTA
13	MAHENDRA PATLIYA

Signature of Activity In charge

विभागाध्यक्ष
शासकीय विभाग
महा. इन्दौर

Note: 1). Please use Time New Roman font with 12 font sizes.

2). Delete extra rows if data is not available.

3). Preserve the word file in your computer.

18.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2021-2022).

Respected Sir,

The Department of Botany has organised the value-added certificate course on "**Nursery Management of Medicinal Plants"** successfully in the session 2021 -2022. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Convener
Department of Botany

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

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19.
Web Development Certificate Course

19.1 Brochure: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

SESSION 2021-2022

Organized by Department of Computer Science

Certificate Course on Web Development

Course schedule : 01.10.2021 to 16.10.2021

Focal Theme : Skill Development for Employability

Duration:
30 Hours
Blended Mode

Course Highlights

1. HTML, CSS, JavaScript expertise.
2. Interactive, responsive websites.
3. Web framework utilization.
4. Backend, database integration.
5. Hands-on app and UI development.
6. Front-end, back-end, full-stack roles.
7. Gateway to dynamic digital solutions and IT careers.

For any query: Contact Prof. Jaya Sharma, Department of Computer Science

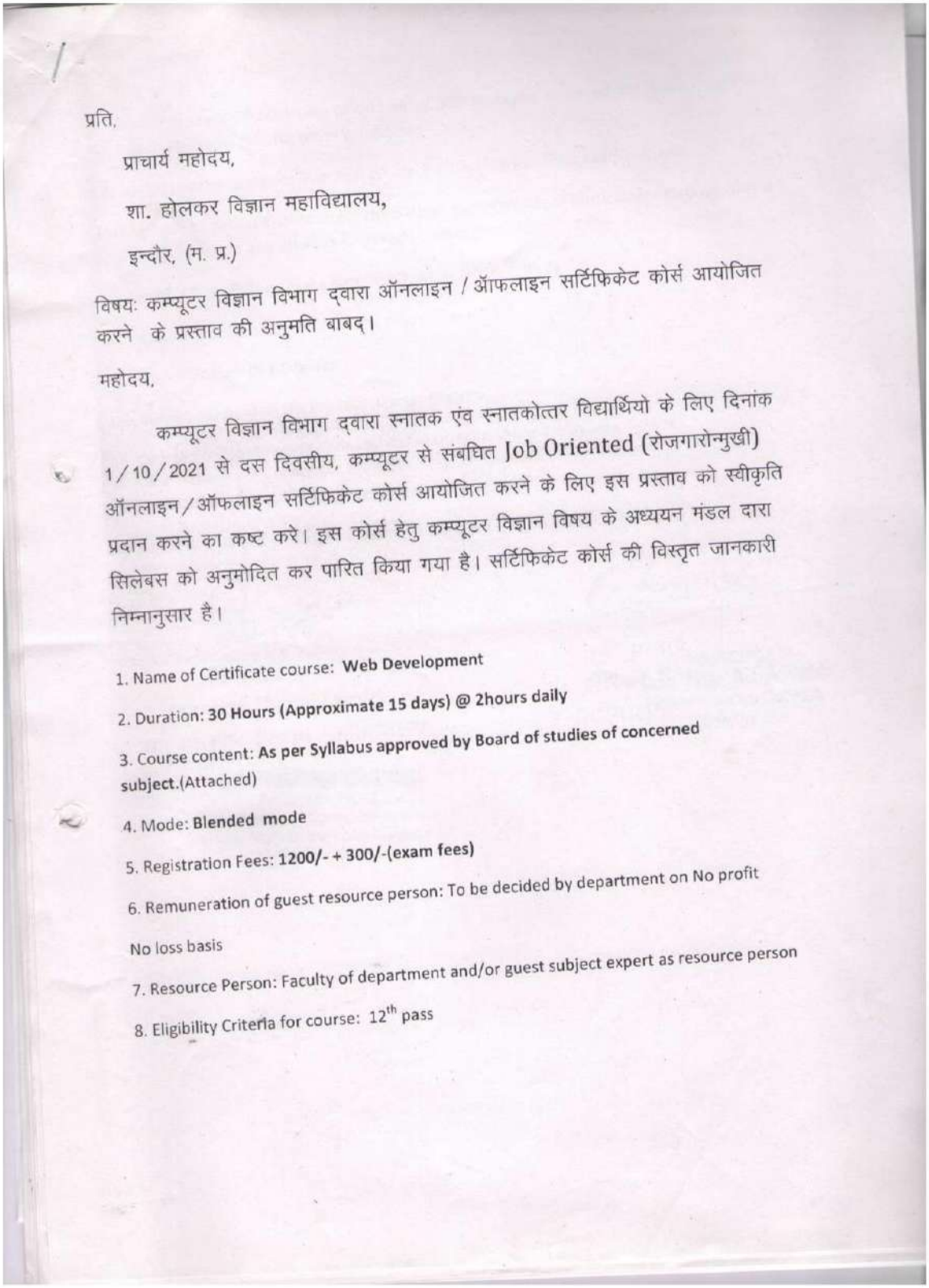
Course Learning Outcomes

1. Proficiency in HTML, CSS, and JavaScript.
2. Creating responsive and interactive websites.
3. Skillful use of web development frameworks.
4. Integrating databases and backend technologies.
5. Developing web applications and user interfaces.
6. Ready for roles in front-end, back-end, or full-stack web development.

Course Coordinator:
Dr. Pradeep Kumar Sharma
Professor & Head
Department of Computer Science

Patron:
Dr. Suresh T. Silawat
Principal

19.2 Permission: -



प्रति,

प्राचार्य महोदय,

शा. होलकर विज्ञान महाविद्यालय,

इन्दौर, (म. प्र.)

विषयः कम्प्यूटर विज्ञान विभाग द्वारा ऑनलाइन / ऑफलाइन सर्टिफिकेट कोर्स आयोजित करने के प्रस्ताव की अनुमति बाबद।

महोदय,

कम्प्यूटर विज्ञान विभाग द्वारा स्नातक एंव स्नातकोत्तर विद्यार्थियो के लिए दिनांक 1/10/2021 से दस दिवसीय, कम्प्यूटर से संबधित Job Oriented (रोजगारोन्मुखी) ऑनलाइन/ऑफलाइन सर्टिफिकेट कोर्स आयोजित करने के लिए इस प्रस्ताव को स्वीकृति प्रदान करने का कष्ट करे। इस कोर्स हेतु कम्प्यूटर विज्ञान विषय के अध्ययन मंडल दारा सिलेबस को अनुमोदित कर पारित किया गया है। सर्टिफिकेट कोर्स की विस्तृत जानकारी निम्नानुसार है।

1. Name of Certificate course: **Web Development**
2. Duration: **30 Hours (Approximate 15 days) @ 2hours daily**
3. Course content: **As per Syllabus approved by Board of studies of concerned subject.**(Attached)
4. Mode: **Blended mode**
5. Registration Fees: **1200/- + 300/-(exam fees)**
6. Remuneration of guest resource person: To be decided by department on No profit No loss basis
7. Resource Person: Faculty of department and/or guest subject expert as resource person
8. Eligibility Criteria for course: 12th pass

9. Number of seats: 30 according to guidelines 80% seats are reserved for students of Holkar Science College and 20% for other candidates

10. Selection of candidates: Selection on merit basis (Marks of last exam passed)

11. Eligibility to get e-Certificate: On the basis of performance of participants through online /offline MCQ test or any other online mode of assessment.

12. Grade: As per college exam pattern (O, A+, A, B+, B, C, P, F)

13. Expenditure: To be decided by the department

14. Patron: **Dr.Suresh T.Silawat**

15.Course Coordinator: Dr. Pradeep Kumar Sharma

16. Course Co-Coordinator: Aarti Shrivastava, Sarita Sharma, Priyanka Agiwal

Attachment: Syllabus of Certificate Course

कृपया विभाग द्वारा सटिफिकेट कोर्स करवाने हेतु अनुमति प्रदान करे।

14.07.2021

विभागाध्यक्ष
(कम्प्यूटर विज्ञान विभाग)
शा. होलकर विज्ञान महाविद्यालय,
इन्दौर (म.प्र.)

Dr. Pradeep Sharma
Professor, Head,
Department of Computer Science
Govt. Holkar Science College,
INDORE (M.P.)

प्राचार्य
शा. होलकर विज्ञान महाविद्यालय,
इन्दौर (म.प्र.)

PRINCIPAL
Govt. Model Autonomous
Holkar Science College,
Indore (M.P.)

19.3 Syllabus: -

Govt. Holkar Science College,Indore(M.P.)

Syllabus for Certification Course

Year: 2021 -22

Web Development

Overview:

HTML and CSS go hand in hand for developing flexible, attractive, and user-friendly websites. HTML (Hyper Text Markup Language) is used to show content on the page whereas CSS (Cascading Style Sheet) is used for presenting the page. HTML describes the structure of a Website semantically along with presentation cues, making it a mark-up language, rather than a programming language. JavaScript is the globally used client-side scripting languages for the web. Most browsers support the language by default, so you can get started using JavaScript and HTML with a simple text editor and browser for testing .

Course Objective:

- Learn HTML , CSS & JavaScript and be able to get job.

Pre-requisite / Target Audience:

- Any XII pass who has knowledge of basics of computers.

Note:

- One hour for each module will be provided to each student.
- After the completion of certification course, students are supposed to appear in the exam conducted by department of examination, Govt. Holkar Science College, Indore(M.P.).

PART 1

Module 1: Web Programming Introduction

- Architecture of a website
- Different technologies in making the website
- Web Development Introduction

Module 2: HTML-Introduction

- History of HTML
- What you need to do to get going and make your first HTML page
- What are HTML Tags and Attributes?
- HTML Tag vs. Element
- HTML Attributes

Module 3: HTML-Basic Formatting Tags and HTML-Grouping Using Div Span

- HTML Basic Tags
- HTML Formatting Tags

- HTML Color Coding
- Div and Span Tags for Grouping

Module 4: HTML-Lists

- Unordered Lists
- Ordered Lists
- Definition list

Module 5: HTML-Images

- Image and Image Mapping

Module 6: HTML-Hyperlink

- URL - Uniform Resource Locator
- URL Encoding

Module 7: HTML-Table

- < table >
- < th >
- < tr >
- < td >
- < caption >
- < thead >
- < tbody >
- < tfoot >
- < colgroup >
- < col >

Module 8: HTML-Iframe

- Using Iframe as the Target

Module 9: HTML-Form

- < input >
- < textarea >
- < button >
- < select >
- < label > etc.

Module 10: HTML-Headers

- Title
- Base
- Link
- Styles
- Script
- Meta

Module 11: Test for Part 1

PART 2

Module 1: CSS2-Introduction

- Benefits of CSS
- CSS Versions History
- CSS Syntax
- External Style Sheet using < link >
- Multiple Style Sheets
- Value Lengths and Percentages

Module 2: CSS2-Syntax

- CSS Syntax
- single Style Sheets
- Multiple Style Sheets
- Value Lengths and Percentages

Module 3: CSS2-Selectors

- ID Selectors
- Class Selectors
- Grouping Selectors
- Universal Selector
- Descendant / Child Selectors
- Attribute Selectors
- CSS - Pseudo Classes

Module 4: CSS2-Color Background Cursor

- background-image
- background-repeat
- background-position
- CSS Cursor

Module 5: CSS2-Text Fonts

- color
- background-color
- text-decoration
- text-align
- vertical-align
- text-indent
- text-transform
- white space
- letter-spacing
- word-spacing
- line-height
- font-family
- font-size
- font-style
- font-variant
- font-weight

Module 6: CSS2-Lists Tables

- list-style-type
- list-style-position
- list-style-image
- list-style
- CSS Tables
  - border
  - width & height
  - text-align
  - vertical-align
  - padding
  - color

Module 7: CSS2-Box Model

- Borders & Outline
- Margin & Padding
- Height and width
- CSS Dimensions

Module 8: CSS2-Display Positioning

- CSS Visibility
- CSS Display
- CSS Scrollbars
- CSS Positioning
  - Static Positioning
  - Fixed Positioning
  - Relative Positioning
  - Absolute Positioning
- CSS Layers with Z-Index

Module 9:CSS Floats

- The float Property
- The clear Property
- The clear fix Hack

Module 10:Test for Part 2

PART 3

Module 1: Introduction

- JavaScript Introduction

Module 2: Language Syntax

- Variable declaration
- Operators
- Control Statements
- Error Handling
- Understanding arrays
- Function Declaration

Module 3: Built In Functions

- Built In Functions
- Standard Date and Time Functions

Module 4: HTML Forms

- HTML Document object Model
- Working with HTML form and its elements

Module 5: HTML DOM

- HTML form and its elements
- Other HTML Document object Model
- Working with Document Object Model

Module 6: Cookies

- Working with cookies

Module 7: Working with Objects and Classes

- Working with Objects
- Call method in JavaScript
- Inheritance in JavaScript using prototype

Module 8: Database Connectivity

- Using MS-Access
- Using MySQL
- Using Oracle

Module 9: Test for Part 3

19.4 Students List: -

Government Holkar (Model, Autonomous) Science College, Indore (M.P

Examination Year 2021

Attendance Sheet

Subject : Certificate Course

Title : Web Development

Date : 21-12-2021 Time : 01.00 to 03.00 PM

S.No.	Name	Father Name	Signature
1	AAKANKSHA KHANNA	CHANDRASHEKHAR KHANNA	Aakanksha
2	ABHISHEK JOGI	RAJKUMAR JOGI	
3	ABHISHEK KUMAR MAHOBIYA	MR ASHOK KUMAR MAHOBIYA	
4	AKSHAY GURJAR	MANOJ	
5	ARSHITA PANDEY	SUNIL PANDEY	
6	KRATIKA YADAV	VIKRANT SINGH YADAV	
7	KRISHAN KUMAR PATIDAR	MOHAN LAL PATIDAR	ABSENT
8	MAHIMA SHUKLA	BRAJESH SHUKLA	
9	MANSI BAGHEL	MADHUR SINGH BAGHEL	
10	MONALISHA SURYDHAR	YASHWANT RAO SURYDHAR	
11	PALLAVI MOHANIYA	CHENSINGH MOHANIYA	ABSENT
12	PRABHAKAR MISHRA	RAKESH KUMAR MISHRA	
13	PRACHI VISHWAKARMA	RAMSWAROOP VISHWAKARMA	
14	RADHIKA SHARMA	KAMAL SHARMA	

15	RAHUL	BHAGATRAM	Rahul
16	RAJEEV BAGHEL	MR. BRAJESH SINGH	
17	RAJENDRA	RAMESHWAR	
18	RAJKARAN SINGH TOMAR	MAHIPAL SINGH TOMAR	
19	SAJAL SURYAWANSHI	MR PUNYAJI SURYAWANSHI	sajal.
20	SALONI TIWARI	YASHWANT TIWARI	ABSENT
21	SHASHANK MISHRA	KAMLESH MISHRA	
22	SRAJAL YADAV	SANJAY YADAV	
23	VAISHALI JAT	MR PRAKASH JAT	Vaishali
24	VARSHA JAT	SURENDRA JAT	
25	MAHIMA BOPCHE	DWARKA PRASAD	

Signature of Invigilator .....

Name of Invigilator A. Shivastava.....

19.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2021-2022).

Respected Sir,

The Department of Computer Science has organised the value-added certificate course on **"Web Development"** successfully in the session 2021 -2022. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

HEAD
Computer Science Department
Govt. Holkar Science College, INDO

Convener
Department of Computer Science

Verified by IQAC

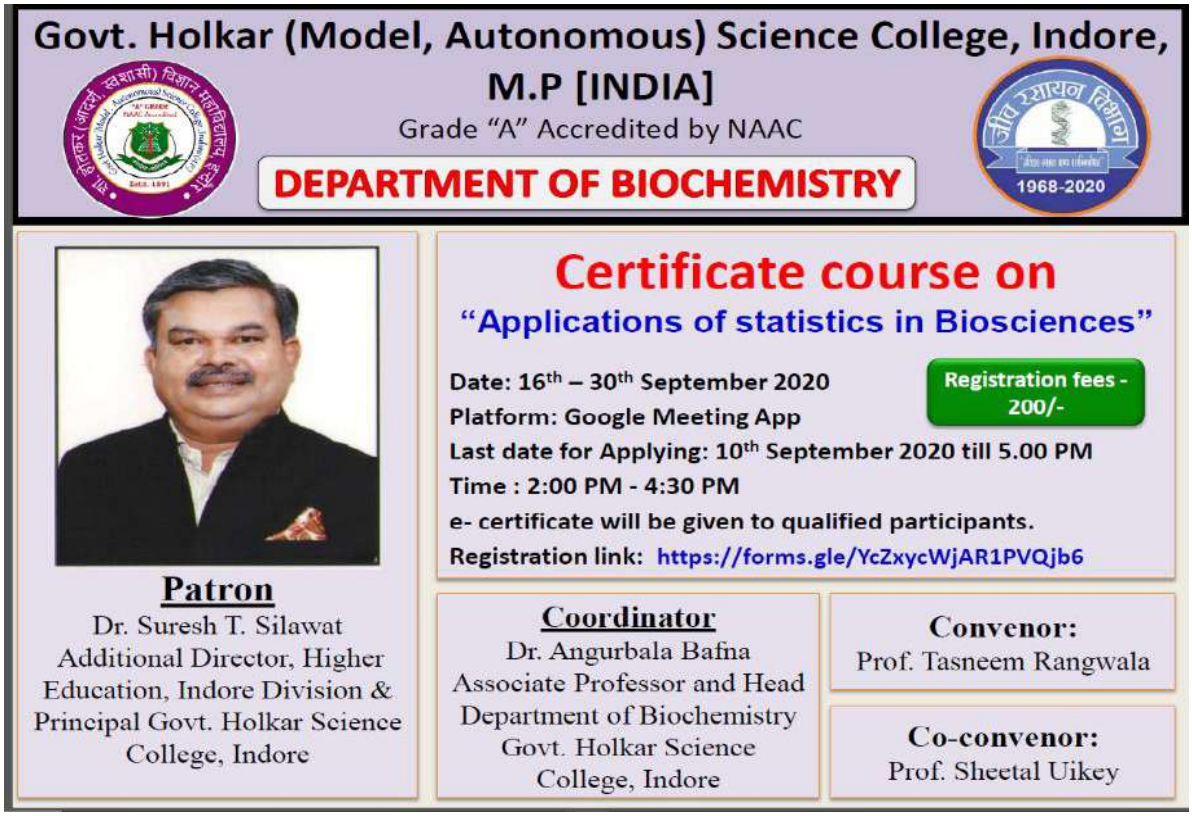
IQAC Coordinator
Govemment Holkar (Model Autonomous)
Science College, Indore

59

2020-2021

1.
Application of Statistics in Biosciences

1.1 Brochure: -



This program empowers the participants to explore use of MS- Excel for calculating different statistical parameters and also build their capability to represent data in various ways. This will help in efficient research presentation. Knowledge of statistics will enable researchers to conduct research and also to present their results and conclusion in reader's friendly way.

- Only shortlisted registered candidates will get email to pay the registration fees.
- Attendance will be taken daily and 100 % attendance is mandatory.
- 1:30 hrs theory + 1:00 hrs practice session in MS-Excel.
- Candidates should have their own laptop/PC for practice session.
- Assignment and quiz will be given daily which are compulsory.
- One final quiz on completion of course.
- Minimum 40% score is mandatory to get certificate.
- Feedback from candidates will be taken daily.

1.2 Syllabus: -

Department of Biochemistry

Online Certificate Course

"Application of Statistics in Biosciences"

Duration: 12 Days (30 hrs)

Each session- 02:30 hrs

This course will help in efficient research presentation. Knowledge of statistics will enable researchers to conduct research and also to present their results and conclusion in reader's friendly way. This program empowers the participants to explore use of MS- Excel for calculating different statistical parameters and also build their capability to represent data in various ways.

1: Introduction and importance of statistics in Biosciences.

2: Graphical representation of ungrouped data- Line, Bar, Pie, Pictogram

3: Graphical representation of grouped data- Frequency Curve, Cumulative frequency, Histogram

4: Measures of Central tendency (Special reference to mean)

5: Measures of Dispersion (Special reference to SD)

6: Standard error

7: Correlation (Simple Correlation)

8: Regression equation

9: Normal Distribution Curve and critical region

10: Test of significance

11: Hypothesis and type of error

Dr. A. Batra

Prof. R.S. Maheshwari

Prof. R.S. Gupta

Dr. Purnima Dey Sarkar

Prof. A.R. Batham

Mr. Rohan Gupta

Prof. Tasneem Rangwala

Prof. Sheetal Uikey

Prof. Deepak Choudhary

Mrs. Rajshree Kabra

Department of Biochemistry

Online Certificate Course

"Application of Statistics in Biosciences"

12: t-test

13: ANOVA (Analysis of Variance)

Note:

- Candidate should have their own laptop/PC for practice session.
- 1:30 hrs theory + 1:00 hrs practice session in MS-Excel.
- Assignment and quiz will be given daily.
- One final quiz on completion of course.
- Minimum 40% score is mandatory to get certificate.
- Feedback from candidates will be taken daily.

Dr. A. Bafna	Mr. Rohan Gupta
Prof. R.S. Maheshwari	Prof. Tasneem Rangwala
Prof. R.S. Gupta	Prof. Sheetal Uikey
Dr. Purnima Dey Sarkar	Prof. Deepak Choudhary
Prof. A.R. Batham	Mrs. Rajshree Kabra

1.3 Resource Person: -

Govt. Holkar (Model, Autonomous) Science College, Indore
M.P (India)
Grade "A" Accredited by NAAC
Department of Biochemistry

Online certificate course on "**Applications of statistics in Biosciences**"

(Dated: 16th – 30th September 2020)

List of Resource Persons

Theory sessions (All):

Dr. Angurbala Bafna
Head,
Associate professor
Department of Biochemistry
Govt. Holkar Science College, Indore
M.P (India)

Practical Sessions (All):

Prof. Tasneem Rangwala
Assistant professor
Department of Biochemistry
Govt. Holkar Science College, Indore
M.P (India)

1.4 Student's List: -

Department of Biochemistry
Online certificate course on "Applications of statistics in Biosciences"
List of the candidates registered with transaction details

S. No.	Name	Email Address	Mobile Number	Transaction ID
01	Abhilasha shrivastava	abhilashashrivastava1998@gmail.com	08319797137	025420908019
02	Dr. Deepak chandran	deepakvetdr@gmail.com	8075536933	025508276405
03	Sanjeev dwivedi	dwivedisanjeev4858@gmail.com	7509436580	4836386
04	Dr. Joyabrata roy	joyabratar@gmail.com	8787553673	IHN4227062
05	Shanti patidar	shantipvn@gmail.com	9926590190	4836386
06	Dr Seemavati sisodiya	seemaayushi.2005@gmail.com	8878899942	SBILT11092020145126067370
07	Viren dodwa	virudodwa1998@gmail.com	8085827853	P200911162924586395290 9
08	Amey vaijapurkar	ameyva722@gmail.com	7489185936	025518444757
09	Anudeep pandit	myidhoney7@gmail.com	7354613717	2073342641
10	Tanya gupta	cooltanya2705@gmail.com	8109989951	025514280656
11	Dr.sunita patel hardia	sunitapatelhardia@gmail.com	9424082440	025514248909
12	Shruti akshay sinnarkar	shrutidusane789@gmail.com	8788576459	25640027442
13	Jagrati waskel	jagratiwaskel212@gmail.com	9644837507	P2009121321215537666472
14	Pooja chatterjee	poojachatterjee60@gmail.com	8889874821	P2009121327393198091035
15	Aishwarya jat	aishwarya0184@gmail.com	8435425448	P200912151357478312 5975
16	Anamika namdeo	anamikanamdeo79@gmail.com	7415046303	025521000084
17	Dr virendra kumar singh	drvksingh1981@gmail.com	9099068358	IHN4323508
18	Aditya singh bhadoriya	aaditya311singh@gmail.com	6260738881	025623306156
19	Sandhya sharma	sandhyasharma1216@yahoo.com	7089516036	2074235827
20	Ayushi gupta	ayushigupta2502@gmail.com	8989508943	025618658157
21	Dr. Shree prakash jaiswal	sp_jaiswal15@hotmail.com	9479618958	IHN4375005
22	Dr manas ranjan senapati	mitu56v@gmail.com	8280247186	025807857666
23	Mayuri paradh	mayuri2271997@gmail.com	9834438223	SBILT13092020231328822301
24	Dr nameeta bende	namitabende@gmail.com	9424540041	SBILT14092020104856351616
25	Barkathullah n	barkathullahmus@gmail.com	9487583244	IHN4399699

26	Anjali dakse	anjalidakse@gmail.com	9179174273	025811053593
27	Pashupathi m	m.pashupathi7@gmail.com	+919686559565	P20091415043460897448 00
28	Vijaylaxmi kanesh	kaneshvijaylaxmi96@gmail.com	9630538805	025815025255
29	Divya rana tomar	divstomarsvits@gmail.com	9098984540	025816254005
30	Dr.shakti suslade	shaktigupta345@gmail.com	8349703407	025818561122
31	Dr. Ajeet kumar	ajeet18@gmail.com	9006548498	IHN4439221
32	Aarti sen	aartisen25@gmail.com	9981230487	IHN4599982
33	Sohan malakar	sohanmalakar166@gmail.com	9516461774	026210286472

Head

Department of Biochemistry

HEAD
Department of Biochemistry
Holkar Science College, Indore

1.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Department of Biochemistry has organised the value-added certificate course on "**Application of statistics in biosciences**" successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Convener
Department of Biochemistry
HEAD
Department of Biochemistry
Holkar Science College, Indore

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

2.
Fundamental of GIS using Open-Source Software

2.1 Brochure: -

Online Certificate Course on
Fundamentals of GIS using Open Source Software

Organised by

Department of Geology, Govt. Holkar (Model, Autonomous) Science College, Indore

From 20th July to 3rd Aug 2020

About the course:

This certificate course is aimed at learning of fundamental concepts of Geographical Information System using by both theory and intensive practical sessions using open source geospatial software QGIS. After completing this course students will learn 1) Basics of GIS, 2) GIS Data creation, 3) Map preparation, 4) Data exploration, query, spatial analysis and 5)Basics of web-based GIS.
As looking to the COVID 19 situation the course will be offered in online mode.

Who can join:

This course is for the students who are computer savvy and strongly willing to learn geospatial technology and fulfill any of the following requirements:

B.Sc. - With subjects Geology or Geography or
M.Sc. – Geology or MA/M.Sc. –Geography or BE/ME – Civil engineering or
Students appearing in final year/ final semester with above mentioned subjects can also apply

Mandatory - The participant must be comfortable and efficient in using computers and he/she must have a laptop/Desktop with internet facility.

Number of seats and Selection criteria:

The total number of seats is 30. Selection will be on the basis of merit. Out of 30 seats, 20 seats will be reserved for the B.Sc./M.Sc. students of Holkar Science college, Indore.

Award of certificate:

After successful completion of course the certificate will be provided to only those

1) Who complete the daily assignment within stipulated time
2) Who have attendance 80% or above. If somebody is absent for two consecutive days then he/she will not be able to continue the course.

Based on the assessment the grades will be given and mentioned in the certificate.

Online class timings: 3 to 5 PM every day. There will be no class on Sunday.

How to apply:

Application is online and there is no course fee. The last date is 16th July 2020. A copy of self-attested mark sheet of final year exam will also be required. The information about the selection will be sent to you through email. **Link for application** -

Course Coordinator: Dr. Shailesh Chaure
Contact No: 9893035078 email : geologyhsc@gmail.com

Dr. Vishnu Gadgil
Head, Dept. of Geology
Mob No.9425384421

Dr. Suresh Silawat
Principal
Govt. Holkar Science College, Indore

2.2 Syllabus: -

1.6

Department of Geology, Govt. Holkar (Modal, Autonomous) Science College, Indore

Certificate Course on Fundamental of GIS using Open source Software

Syllabus

This certificate course is designed for general orientation and basic awareness about the rapidly emerging geospatial technology. The course is aimed at learning of fundamental concepts of Geographical Information System using by both theory and intensive practical sessionsusing open source geospatial software mainly QGIS and SAGA (System for Automated Geoscientific Analyses).

Fundamentals of GIS- Introduction of Geographical Information system, GIS data types and Applications of GIS and Introduction to open source GIS software.

Basics of map projection – Map scale and common types of map projections

Georeferencing – Georeferencing scanned maps, SOI topographical maps and satellite imagery.

Digitization – Digitization of point,line and polygons features, editing features, adding style to the features.

Data collecting from other sources – How to digitize features from google Earth and open then in GIS software. Collecting and importing data from GPS.

Map preparation – Symbology, labelling and map composition.

Data Exploration – How to view existing data and see attribute tables and features information

Working with tables – Importing external data from MS Excel and CSV files and joining tables

Data Query– Attribute based query and spatial query.

Spatial analysis – Basics of spatial analysis and common functions used in spatial analysis, decision making using multi criteria analysis.

Watershed delineation – Delineation of watershed from SOI topographical mapsby manual digitization and automatic delineation of watershed from DEM.

Introduction of Web-GIS – Basics of web-GIS, characteristics advantages and open source tools for Web-GIS.

7/3/2020

2.3 Resource Persons: -

Certificate Course on
Fundamentals of GIS Using Open Source Software

Names of resource persons -

1) Prof. Biplab Biswas, Dept of Geography, University of Birdhwan, WB
2) Prof. Seema Jalan, Dept of Geography, Mohanlal Sukhadiya University, Udaipur, Raj.
3) Prof. Monika Kannan, Dept of Geography, Sohpia Girls College, Ajmer, Raj
4) Dr. Shailesh Chaure, Dept of Geology, Govt. Holkar Science College, Indore

2.4 Student's List: -

Department of Geology, Govt. holkar Science College, Indore

Certificate Course on

Fundamentals of GIS using Open Source Software

From 20/07/2020 to 03/08/2020

List of Participants

SNo.	Name	Fathers Name
1	Mr. Akash Verma	Dr. Sanjay Verma
2	Ms. Bishola J S Sephashia	Mr. G. John Christopher
3	Ms. Charu Rahangdale	Mr. Tikaram Rahangdale
4	Mr. Chinmay Lambe	Mr. Abhay Lambe
5	Mr. Dharmendra Chouhan	Mr. Govind Chouhan
6	Mr. Dharmesh Kumar	Mr. Panna Lal Deshmukh
7	Ms. Harshit Kaur Bhatia	Mr. Kavaljeet Singh Bhatia
8	Mr. Himanshu Sharma	Mr. Kamal Sharma
9	Ms. K. Mala	Mr. K. Kanagarasu
10	Mr. Kishan Sharma	Mr. Ganga Sharma
11	Mr. Kumar Abhinav	Mr. Shrawan Kumar Singh
12	Ms. Leesha Joshi	Mr. Virendra Joshi
13	Mr. Mohd Shawez	Mr. Naeemuddin
14	Mr. Neeraj Kumar Kannouji	Mr. Laxman Singh Kannouji
15	Ms. Neha Namdeo	Mr. Kailash Namdeo
16	Mr. Nikhil Khira	Mr. Shyamacharan Khira
17	Mr. Parth Choudhary	Mr. Vijay Choudhary
18	Mr. Rahul Sirvi	Mr. Bhagirath Sirvi
19	Mr. Rajesh Kumar	Mr. Binod Rana
20	Ms. Rashi Choubey	Mr. Raj Kumar Choubey
21	Ms. Roshni Ray	Mr. Anil Ray
22	Mr. Sanskar Saraf	Mr. Sharad Saraf
23	Ms. Shanu Panchal	Mr. Santosh Panchal
24	Ms. Shivani Rawal	Mr. Sunil Dutt Rawal
25	Mr. Umesh Namdev	Mr. Harish

2.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Department of Geology has organised the value-added certificate course on **"Fundamental of GIS using open source software"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Convener
Department of Geology

Head
Department of Geology
Govt. (Model Autonomous) Holkar Science College
Indore (M.P.)

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

3.
Wild-Life Conservation and Managements

3.1 Brochure: -

Govt.Holkar (Model, Autonomous) Science College, Indore, M.P [INDIA]
Grade "A" Accredited by NAAC
Online Certificate course on
"Wild life conservation and Managements"
Department of Zoology

Patron
DR . Suresh T. Silawat
Additional Director,
Higher Education, Indore
Division & Principal
Govt. Holkar Science
College, Indore

Date: 15 October to 28 Oct. 2020
Platform: Google meeting App
Time: 2:30 PM to 5:00PM
Registration link :- https://forms.gle/yXymreqmzjfDEMqC6

Chair Person Dr. M.M.P. Shrivastava	Coordinator Dr. Kiran Billore	HOD Dr. Rekha Sharma
Convener Prof. Priti Khullar	Co-convener Prof. Vipul Kirti Sharma	Member All Staff Member

- ❑No registration Fees
- ❑Seats are Limited (50) and registration is on the basis of first come first serve
- ❑The certificate course contains four modules
- ❑Attendance will be taken daily and 90% attendance is mandatory
- ❑Assignment/Quiz will be given daily which is compulsory
- ❑Evaluation will be on the basis of grading system and the grades will be mention on the certificate
- ❑Feedback will be taken after the completion of each modules

3.2 Syllabus: -

Govt. Holkar Science College, Indore
Zoology Department

Syllabus for online certificate course

Module - 1	
Day - 1	**Biodiversity of wild life Animals** What is Biodiversity, Example of Biodiversity, How does biodiversity affect Animals, Some examples of species diversity.
Day – 2	**Management of Wild Life** What does wild life management means, What is the goal of wild life management, Wild life conservation and management, wild life management and practices.
Day - 3	**Behavior of Wild Life Animals** What is Animal behavior, Types of animal behavior, Wild life Animals, Patterns of behavior, What is normal behavior of Animals.

Govt. Holkar Science College, Indore
Zoology Department

Module -2	Topic –
Day - 1	**FRIENDLY INSECTS** **How insects effect directly or indirectly human life, how insects are useful to human life.**
	IMPORTANCE OF NATIONAL PARK **National parks help to maintain and protect wild life and landscape. Helping preserve cultures & tribes giving people the chance for healthy activities.**
Day - 2	**LAWS AND GOVERNANCE OF WILD LIFE CONSERVATION** **Introduction, Different laws and Governance of wild life conservation.**
	PROJECT CROCODILE Brief introduction of crocodile, different species of crocodile crocodile sanctuaries and national parks and crocodile projects.
Day – 3	**WILD LIFE SANCTUARIES IN M.P.** Introduction, Some special wild life sanctuaries, state wise important wild life sanctuaries and detail of their wild animals.
	PROJECT TIGER Introduction of project Tiger, objectives and management of project Tiger.

Govt. Holkar Science College, Indore
Zoology Department

Module -3	Topic
Day- 1	**Tiger Reserves of M.P.** Definition of tiger Reserve and their types, establishment, Animals found in it, details of all Tiger reserves in M.P.
	HEALTH CARE AND MANAGEMENT OF WILD ANIMALS Basic knowledge about health care and common diseases, wild life health programs and monitoring, Public responsibilities towards the wild life resources.
Day – 2	**WILD LIFE AND ECOTOURISM** Discus about the relation between wild life and ecotourism and their types. Positive and Negative impact of wild life tourism and their importance, ecotourism deteriorations in India.
Day - 3	**ENDANGERED SPECIES** Introduction of endangered species, information about 'RED DATA BOOK', Top most endangered animals and their conservation technique.

Govt. Holkar Science College, Indore
Zoology Department

Module – 4	
Day - 1	**SPIDER AROUND US** Diversity of spiders, Different families of spider and their representatives, Understanding spider behavior, Application of spider's venom, Silk Spider as a biopesticide.
Day – 2	**Photography of birds of Sirpur Tank.**
Day - 3	**Fish diversity, Fish farming and Induced breeding.**

Outcomes of Online Certificate Course on

"Wildlife Conservation and Management"

15 Oct -28 Oct 2020

Department of Zoology

- To know about wildlife conservation and their management techniques.
- Understand the basics of identification, characteristics, habitat and requirements of wildlife species.
- To gain knowledge about National Parks, Sanctuaries and endangered species.
- To motivate the learner about wildlife and Ecotourism.
- To know about the Biodiversity of fish and spiders around us.

3.3 Student's List: -

Govt. Holkar Model Autonomous Science College,
Indore
Department of Zoology

Students List
Of
Online Certificate Course on Wildlife Conservation and Management

S.No.	Student Name	Class
1	Abhiruchi Verma	M.Sc. Previous
2	Aftab Ahamad Pathan	M.Sc. Final
3	Aman Goyal	M.Sc. Previous
4	Anushri Vinayak	M.Sc. Previous
5	Atul Pandey	M.Sc. Previous
6	Babita Prajapati	M.Sc. Final
7	Bharti Malakar	M.Sc. Previous
8	Deepika Maru	M.Sc. Previous
9	Dileep Jamre	M.Sc. Previous
10	Gagan Solanki	M.Sc. Previous
11	Garvita Dubey	M.Sc. Final
12	Harshad Lodwal	M.Sc. Previous
13	Harshita	M.Sc. Final
14	Himanshi Dabariya	M.Sc. Final
15	Jagdish Mondloi	M.Sc. Final
16	Jyoti Temarniya	M.Sc. Final
17	Komal Patidar	M.Sc. Final
18	Kratika Patidar	M.Sc. Final
19	Kusum Lata Marko	M.Sc. Final
20	Laxman Bamne	M.Sc. Final
21	Laxmi Sharma	M.Sc. Previous

22	Mahima Soni	M.Sc. Previous
23	Manish Rawat	M.Sc. Previous
24	Manoj Patal	M.Sc. Previous
25	Mayuri Bhargav	M.Sc. Previous
26	Mohit Rathore	M.Sc. Previous
27	Name	M.Sc. Previous
28	Neha David	M.Sc. Previous
29	Padma Fhoolmali	M.Sc. Final
30	Pooja Singh Saket	M.Sc. Final
31	Pooja Singod	M.Sc. Final
32	Prathvi Singh Rathore	M.Sc. Previous
33	Prerana Mandloi	M.Sc. Final
34	Priyanshu Joshi	M.Sc. Final
35	Radheshyam	M.Sc. Previous
36	Rajkumar Rai	M.Sc. Previous
37	Ravindra Dawar	M.Sc. Previous
38	Reena Chouhan	M.Sc. Previous
39	Rohit Singh Thakur	M.Sc. Previous
40	Roshni Solanki	M.Sc. Previous
41	Sangeeta Kanesh	M.Sc. Final
42	Shraddha Patel	M.Sc. Previous
43	Shrishti Nagpure	M.Sc. Previous
44	Umair Raza Khan	M.Sc. Previous
45	Vanshri Vyas	M.Sc. Final
46	Vishakha Soni	M.Sc. Final

RSharma

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

3.4 Course Completion Certificate: -

(2)

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Department of Zoolgy has organised the value-added certificate course on **"Wildlife certificate course"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Convener
Department of Zoology

Deptt. of Zoology
Govt. Holkar Sc. College,
Indore (M.P.)

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

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4.
Applied Zoology

4.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE (M.P.)
(Affiliated to Devi Ahilya Vishwavidhalaya, Indore)

DEPARTMENT OF ZOOLOGY

Patron
Dr. Suresh T. Silawat
Additional Director, Higher education Indore division & Principal Gov. Holkar Science College, Indore.

ONLINE CERTIFICATE COURSE ON "APPLIED ZOOLOZY"

Date :- 11 October to 27 October 2021
Platform :- Google meet App
Time :- 2:30 to 5:00 PM
Registration link :- https://forms.gle/eVs6n8EN372ZK1Ry5

- Registration fees: - 200/-.
- Attendance will be taken daily.
- Quiz will be given daily which is compulsory.
- Feedback will be taken after the completion of course.

Director & H.O.D	Co-Ordinatior	Chairman	Convenor	Co- convenor
Dr. Rekha Shrama	Dr. kiran Billore	Dr. C.S. Shrivastva	Dr. Amita Dagaonkar	Dr. Anjali Kumar

4.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Zoology
Value Added Course
On
Applied Zoology
Syllabus

Module-1 Aquaculture

Day-1: Aquaculture - Introduction, scope and status of aquaculture, Advantage salient features.

Day 2:

- Frog culture
- Prawn culture
- Oyster culture

Day 3:

- Pearl culture
- Crab Culture and their commercial species

Module 2 Fish farming

Day 1:

- Fresh water fish culture
- Pond culture (Construction, Maintenance and types, Abiotic and biotic factors).

Day 2:

- Composite fish culture
- Induced breeding in carp

Day 3:

- Fish Preservation and processing
- Economics importance of fishes.

Module 3- Beneficial Insects

Day 1: Sericulture
Day 2: Apiculture
Day 3: Lac culture

Module 4

Day 1: Vermiculture
Day 2:

- Harmful Insects (Vectors)
- Present Status of Fisheries in M.P.

Day 3:

- Microbial Culture
- Valedictory Function

Approved

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

4.3 Resource Person: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Zoology
Resource Persons

	ONLINE CERTIFICATE COURSE ON "APPLIED ZOOLOGY"	
S.No.	11 October to 27 October 2021	
1	**Name**	**Dr. Anand Kar**
	Current Position	Dean, School of Life Sciences, DAVV, Indore (M.P.)
	Designation	Professor
	Teaching Experience	40 Years
2	**Name**	**Dr. P. Bakre**
	Current Position	Retd. Professor, Jaipur University Rajasthan
	Designation	Retd. Professor
	Teaching Experience	45 Years
3	**Name**	**Mr. Rohit Mishra**
	Current Position	Enterpreneur (Co-Founder : Oceana Aquaculture Bhopal (M.P.)
	Designation	Co- Founder
	Teaching Experience	02 Years
4	**Name**	**Dr. B. C. Choudhary**
	Current Position	Scientist, Lucknow
	Designation	Scientist
	Teaching Experience	10 Years
5	**Name**	**Dr. Dushyant Sharma**
	Current Position	Professor of Zoology, Govt Model Science College, Gwalior (M.P.)
	Designation	Professor
	Teaching Experience	30 Years
6	**Name**	**Dr. Milind Shirbate**
	Current Position	Assistant Professor of Zoology, Nagpur University.
	Designation	Professor
	Teaching Experience	30 Years
7	**Name**	**Dr. S. Punekar**
	Current Position	OSD MPPSC Office
	Designation	OSD
	Teaching Experience	30 Years
8	**Name**	**Dr. Ravi Upadhaya**
	Current Position	Assistant Professor, Zoology Pipariya
	Designation	Assistant Professor
	Teaching Experience	15 Years
9	**Name**	**Dr. R. K. Upadhaya**
	Current Position	Retd. Fisheries Officer
	Designation	Retd. Officer
	Teaching Experience	40 Years

10	**Name**	**Dr. Anita Kanesh**
	Current Position	Assistant Professor, Zoology, Govt. College Mhow
	Designation	Assistant Professor
	Teaching Experience	15 Years
11	**Name**	**Dr. G.K. Kulkarni**
	Current Position	Assistant Professor, Zoology, Nagpur University
	Designation	Assistant Professor
	Teaching Experience	15 Years
12	**Name**	**Dr. Namrata Khurana**
	Current Position	Assistant Professor, Zoology, Govt. PG College Dhar
	Designation	Assistant Professor
	Teaching Experience	3 Years
13	**Name**	**Dr. Pooja Jain**
	Current Position	Assistant Professor, Zoology, Govt. PG College Dhar
	Designation	Assistant Professor
	Teaching Experience	3 Years
14	**Name**	**Dr. Vikas Piteray**
	Current Position	Assistant Professor, Zoology, Govt. Degree college Guna
	Designation	Assistant Professor
	Teaching Experience	9 Years
15	**Name**	**Dr. O. P. Agrawal**
	Current Position	Retd. VC and Professor, Gwalior
	Designation	Retd VC and Professor
	Teaching Experience	40 Years
16	**Name**	**Dr. Ranjana Verma**
	Current Position	Assistant Professor, Zoology, Govt. College Mhow
	Designation	Assistant Professor
	Teaching Experience	10 Years
17	**Name**	**Dr. Pooja Sharma**
	Current Position	Assistant Professor, Zoology, Govt. College Mhow
	Designation	Assistant Professor
	Teaching Experience	10 Years
18	**Name**	**Dr. Vijay Shakya**
	Current Position	Assistant Professor, Zoology, Govt. College Ganjvasuda
	Designation	Assistant Professor
	Teaching Experience	10 Years
19	**Name**	**Dr. Anjali Kumar**
	Current Position	Professor, Department of Zoology, Government Holkar Science College Indore (M.P.)
	Designation	Professor
	Teaching Experience	30 Years

20	**Name**	**Dr. Amita Dagaonkar**
	Current Position	Professor, Department of Zoology, Government Holkar Science College Indore (M.P.)
	Designation	Professor
	Teaching Experience	30 Years
21	**Name**	**Dr. Lipi**
	Current Position	Assistant Professor, Department of Zoology, Baroda
	Designation	Assistant Professor
	Teaching Experience	10 Years
22	**Name**	**Dr. Rekha Sharma**
	Current Position	Head& Professor, Department of Zoology, Government Holkar Science College Indore (M.P.)
	Designation	Professor
	Teaching Experience	38 Years

4.4 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Zoology
Students List
of
Certificate Course on Applied Zoology

S. No.	Student Name	Class
1	Aafeeyat Khan	M.Sc. Previous
2	Aarti Tawar	M.Sc. Final
3	Aarti Tawar	M.Sc. Final
4	Aastha Gupta	M.Sc. Final
5	Abhiruchi Verma	M.Sc. Final
6	Aditi Singh	M.Sc. Final
7	Aftab Ahamad Pathan	M.Sc. Final
8	Ajay Kachhware	M.Sc. Final
9	Alefiya Kiranawala	M.Sc. Final
10	Aman Goyal	M.Sc. Final
11	Anjali Bhaskar	M.Sc. Final
12	Anjali Vaishnav	M.Sc. Final
13	Ankita Awase	M.Sc. Final
14	Ankita Singh	M.Sc. Final
15	Antra Bhilatiya	M.Sc. Final
16	Anuradha Sharma	M.Sc. Final
17	Anushri Vinayak	M.Sc. Final
18	Archana Aske	M.Sc. Final
19	Arti Chouhan	M.Sc. Final
20	Arushi Dhingra	M.Sc. Final
21	Ayush Tiwari	M.Sc. Final
22	Baram Tagore	M.Sc. Final
23	Bharti Malakar	M.Sc. Final
24	Deepali Singare	M.Sc. Final
25	Deepika Maru	M.Sc. Final
26	Deepika Rathod	M.Sc. Final
27	Dileep	M.Sc. Final
28	Dileepsingh Mandloi	M.Sc. Final
29	Dipa Chouhan	M.Sc. Final

30	Harshad Lodwal	M.Sc. Final
31	Himanshu Makwana	M.Sc. Final
32	Javed Patel	M.Sc. Final
33	Kajal Baretha	M.Sc. Final
34	Kajal Jaiswal	M.Sc. Final
35	Khyati Dubey	M.Sc. Final
36	Koomudee Hirapure	M.Sc. Final
37	Kriti Nawde	M.Sc. Final
38	Kunal Chouhan	M.Sc. Final
39	Laxmi Chouhan	M.Sc. Final
40	Laxmi Sharma	M.Sc. Final
41	Madhvika Ranawat	M.Sc. Previous
42	Manoj Thakur	M.Sc. Previous
43	Mansi Gunjal	M.Sc. Previous
44	Mayur Rai	M.Sc. Previous
45	Meer Misbah Shirin	M.Sc. Final
46	Minakshi Yadav	M.Sc. Final
47	Mukesh Khedkar	M.Sc. Final
48	Nandini Badal	M.Sc. Final
49	Neha David	M.Sc. Final
50	Nenshee Vishwakarma	M.Sc. Final
51	Nikky Jaj	M.Sc. Final
52	Nishi Jain	M.Sc. Previous
53	Palash Nayak	M.Sc. Previous
54	Pallavi Jha	M.Sc. Previous
55	Payal Bhabar	M.Sc. Previous
56	Pradeep Kulhare	M.Sc. Final
57	Prakash	M.Sc. Previous
58	Prakash Bamniya	M.Sc. Previous
59	Priyanka Arya	M.Sc. Previous
60	Priytam Dhanware	M.Sc. Previous
61	Raj Priya Choudhary	M.Sc. Previous
62	Rajesh Parmar	M.Sc. Previous
63	Rakhi Dwivedi	M.Sc. Previous
64	Raksha Bamniya	M.Sc. Final
65	Raksha Tadole	M.Sc. Final

66	Ram Gurjar	M.Sc. Previous
67	Reena Chouhan	M.Sc. Previous
68	Relam Amliyar	M.Sc. Final
69	Ritisha Jain	M.Sc. Previous
70	Riyanshi Nayak	M.Sc. Previous
71	Roshni Solanki	M.Sc. Previous
72	Rubab Pipewala	M.Sc. Previous
73	Ruchita Khandelwal	M.Sc. Previous
74	Runita Chouhan	M.Sc. Final
75	Sakshi Gupta	M.Sc. Previous
76	Sandeep Rathore	M.Sc. Previous
77	Sandeep Shakya	M.Sc. Previous
78	Sangeeta Chouhan	M.Sc. Previous
79	Sanskriti Soni	M.Sc. Previous
80	Satish Rai	M.Sc. Previous
81	Savitarani Malviya	M.Sc. Final
82	Shakti Golkar	M.Sc. Final
83	Shiromani Pawar	M.Sc. Previous
84	Shivani Gangwal	M.Sc. Previous
85	Shraddha Patel	M.Sc. Previous
86	Shubham D Patel	M.Sc. Previous
87	Shweta Saharia	M.Sc. Previous
88	Smrati Suryawanshi	M.Sc. Previous
89	Sneha Shrivastava	M.Sc. Previous
90	Srishti Dwivedi	M.Sc. Final
91	Trapti Sitole	M.Sc. Final
92	Tushar Gawande	M.Sc. Final
93	Umair Raza Khan	M.Sc. Final
94	Varsha	M.Sc. Previous
95	Varsha Malviya	M.Sc. Final
96	Vinita Pandey	M.Sc. Previous
97	Warsingh	M.Sc. Final
98	Yashwini Patidar	M.Sc. Previous
99	Yogita Songara	M.Sc. Previous

Rsharma

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

4.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Department of Zoolgy has organised the value-added certificate course on "**Applied Zoology**" successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Convener
Department of Zoology
Professor
Deptt. of Zoology
Govt. Holkar Sc. College,
Indore (M.P.)

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

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5.
Questioned Documents

5.1 Brochure: -

Govt. Holkar (Model, Autonomous) Science College, Indore (M.P.)
Grade 'A' accredited by NAAC

DEPARTMENT OF FORENSIC SCIENCE

Online Certificate Course
on
'Questioned Documents'

Platform: Zoom

Date: 31/03/2021 to 11/04/2021 **Time: 02:30 pm to 05:00 pm**

Patron
Dr. Suresh T. Silawat
Additional Director
Higher Education, Indore Division
&
Principal
Govt. Holkar Science College, Indore (M.P.)

Convener
Dr. Vijay R. Chourey
HOD
Department of Forensic Science
Govt. Holkar Science College, Indore (M.P.)

➢ **Free Registration.**
➢ **Only for PG students and Faculties.**

Registration Link:
https://forms.gle/5zcHcmdCmDxfkeHr8

WhatsApp Group Link:
https://chat.whatsapp.com/HKWzq6QXHLQAwmC6DS3vfE

Organizing Committee:
- Mrs. Neha Chaurasia [9981291667]
- Mr. Satish Rai [7000543411]
- Mr. Ankesh Ahirwar [7999151030]
- Ms. Ritu Bharti [9617641344]
- Ms. Rashi Dubey [9770067892]

Technical Support:
Mr. Magan Bhawar

5.2 Syllabus: -

DEPARTMENT OF FORENSIC SCIENCE
Government Holkar Science College, Indore (M.P.)
Syllabus for Certificate Course
(Questioned Documents)

Unit- I
Documents. Questioned document and their types. Physical and Chemical examination of paper and Ink. Collection. Handling. Preservation and forwarding of documents seized from scene of crime. Examination of Documents.

Unit- II
Handwriting: Role of CNS and body. Class and Individual Characteristics. Basis of Handwriting Comparison. Making of Exemplar. Development of Handwriting. Simon New Comb theory of probability.

Unit –III
Different vernacular Indian languages and scripts.
Signature: Genuine, Forged, Digital Signature with their examination, Trends in forgery.

Unit – IV
Forged Documents: Alteration. Secret writing. Indented writing and its decipherment. Charred documents. Photocopied and Scanned Document. Demonstrative and juxtapose charts and their relevance.

Unit – V
Detection of Counterfeit in Indian Bank Notes, fake Indian Passports, E-Passports. Security features of Credit/Debit/Smart cards and Detection of fake plastic cards.

VRchouf.
(Dr. Vijay R. Chouhan)
Professor and Head
Forensic Science Department
Govt. Holkar Science College
Indore (M.P.)

5.3 Resource Persons & Lecture Schedule: -

Lecture Schedule

Sr. No.	Date	Speaker	
1.	31/03/2021 & 01/04/2021	**Mr. Harbans Singh Tuteja** Retd. G.E.Q.D Expert, Shimla (Himachal Pradesh)	
2.	02/04/2021 & 03/04/2021	**Dr. Swati Dubey Mishra** Assistant Professor Shri Vaishnav Institute of Forensic Science, SVVV, Indore (M.P.)	
3.	04/04/2021 & 05/04/2021	**Mr. Anurag Shrivastav** Assistant Professor Shri Vaishnav Institute of Forensic Science, SVVV, Indore (M.P.)	
4.	06/04/2021 & 07/04/2021	**Mr. Anurag Sahu** Assistant Professor Government Institute of Forensic Science, Aurangabad (Maharashtra)	
5.	08/04/2021 & 09/04/2021	**Ms. Hansi Bansal** Assistant Professor Government Institute of Forensic Science, Nagpur (Maharashtra)	
6.	10/04/2021 & 11/04/2021	**Mr. Sachin G Kurhekar** Head of Department, Scientific Aid Unit, Central Forensic Science Laboratory (CBI), Belapur, Navi Mumbai	

5.4 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Departemt of Forensic Science
Session: - 2020-2021
Award List for Value Added Certificate Course on "Questioned Documents"

S. No.	Name	Contact Number
1	Priyanka Parihar	7470490313
2	Syeda Umama Ali	7089000000
3	Supriya Tomar	7000132852
4	Omkar Dangi	9131082363
5	Ajaya.T.Das	7697105477
6	Neetu Chourasiya	8982911345
7	Khirad Sayyed	9111147878
8	Muskan Kunhare	9165448885
9	Sayyed Faiz Ali	9685020020
10	Aditi Tripathi	8839933184
11	Tikshata Wamborkar	9407288179
12	Roshni Kaushal	8982070789
13	Harsh Gupta	8269904087
14	Muskan Sadh	9926842063
15	Ritika Sharma	9009331046
16	Anjali Chouhan	9644096601
17	Shanu Bhargava	8319383513
18	Malay Panchakshari	9131776891
19	Ayushi Beragi	8839102220
20	Hariom Dangi	919978000000
21	Anupama Jain	7000275206
22	Amrita Udaypuriya	7089111958
23	NIMISHA DUBEY	7746021783
24	Sheeba Shaikh	8357950006
25	Shivani Soni	7987918279
26	Nishi Modak	7804818084
27	Chitranshi	7389066027
28	Reeta Pandey	9981803262
29	Nandini Sharma	9174974971
30	Mahima Goyal	9754909415

31	Anju Lata Malviya	9977858020
32	Renuka Malakar	6265879025
33	Ankush Chauhan	9644052688
34	Khiresh Jarge	8305974080
35	Disha Billore	9754319991
36	Mahima Patel	8109939105
37	Nameera Dayme	8770023620
38	Anjali Yadav	9981280510
39	Nitish Sharma	9057578552
40	Vaishali Soni	8959742197
41	Vaibhavi Lahane	7049776265
42	Harshita Sonkar	8602457791
43	Ranju Solanki	7440554471
44	Sonu Rathor	7587675923
45	Rupali Das	7347649748
46	Palak Sharma	9589598567
47	Niharika Sahu	9111495471
48	Sonali Namdev	7247681915
49	Prashali Verma	8839601280
50	Dodiya Kiranbhai Ramabhai	9723676272
51	Jinal Sanghvi	9167202036
52	Tinganiwar Akhilesh Kumar	9849543290
53	Sai Niveditha Varayogula	6304479630
54	Premjeet Gangadhar Wagh	7776050748
55	Rendla.Shylaja	8466967071
56	Syed Mohammed	9791388483
57	Sandesh Talwekar	9130527049
58	Jaiswal Pallavi Sujit	7083619670
59	Kuna. Varshitha	6355388093
60	Unnati Sanjay Mhaske	7066400738
61	Prasad Ubale	9665350280
62	Ashitosh Reble	7448055667
63	Smitkumar Dilipbhai Italiya	9724998094
64	Shakti	918169000000
65	Gouri Rajendra Uplenchwar	919112000000
66	Meghna Sharma	917247000000
67	Afzal Uddin Qureshi	918655000000
68	Preeti Ansari	9098481913

69	R.Sabari Nathan	8668153358
70	Pooja Banoriya	9109092947
71	Rishabh Gupta	9818461360
72	Neha Pathariya	8770469514
73	Saroj Bamniya	9165189055
74	Riyanshi Barde	8359885656
75	Renu Kachhawah	7772033874
76	Pooja Nikam	8962998284
77	Karmila Tomar	7722856963
78	Tanisha Thakur	8109095958
79	Priyanka Gowlana	7999786190
80	Yukta Sharma	7987226221
81	Smita Lugun	9131798670
82	Pinki Hablani	9826784946
83	Bhagyashree Patidar	9098500514/9644576282
84	Pragya Upadhyay	9981672395
85	Roshan Jacob	9061701303
86	Shivani Solanki	9753766891
87	Jeevan Kumawat	7089591285
88	Minakshee Thakre	7581990569
89	Isha Sahu	7898853176
90	Muskan Neema	7987708435
91	Divya Marmat	7869658090
92	Meha Damor	7024503778
93	Sourabh Singh Sisodiya	8349782234
94	SHRIYA CHOURASIA	8319175278
95	Anjali Verma	9893611174
96	Jyoti	8130649730
97	Rachita Kharbanda	9899784940
98	Yasharth Katare	7999615564
99	Bhupendra Kushwah	9165173249
100	Rohit Kumar Verma	8840059805
101	Ekta B Jadhav	7083087001
102	Swapnali V Jadhav	8380800725
103	SEESA SOMESH KUMAR	8639814716
104	Abhilasha Kushwah	9302370453
105	Akshita Sharma	7509771833
106	Preeti Badgujar	7415035296

107	POOJA DIXIT	7581908512
108	Visagh	8547126610
109	Shivani Udaychand Patole	8600993566
110	Renuka Singh	8827999034
111	Pawan Solanki	9993289344
112	Surpal Rawat	9074309707
113	Sonam Mishra	7489925332
114	Neetu Goyal	7748872966
115	Ayushma Yadav	8770358600
116	Rashmi Parmar	7770809755
117	Ravi Patidar	8349835036
118	Rishika Paseband	9755546736
119	Gaurav Dattatraya Kadam	7387434079
120	Sathvik Salluri	7013360460
121	Bhanu Prakash	8309000000
122	Chhavi Karele	7697388586
123	Sejal Taran	7024430051
124	Unnati Jagdale	9171991044
125	Priyata Marathe	9340838352
126	Gali Shruthi	9121529187
127	Mohammed Abdul Khavi	6301832206
128	Saloni Mahour	8103480259
129	Tanzeela Shaikh	8435446971
130	Aditi Mishra	6260914899
131	Sakshi Tomar	9009732687
132	Kamlesh Kumar Warkade	9575375044
133	Aayush Sanwle	9636768751
134	Aanchal Kashyap	8770303252
135	Pallavi Bhimrao Gawande	9657655089
136	Shrishti Sontakke	6264496006
137	Jayesh Giri	8823840466
138	Paridhi Rathore	7374094649

Dr. Vijay R. Chauhan
Professor and Head
Forensic Science Department
Govt. Holkar Science College
Indore (M.P.)

5.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Department of Forensic Science has organised the value-added certificate course on **"Questioned Documents"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

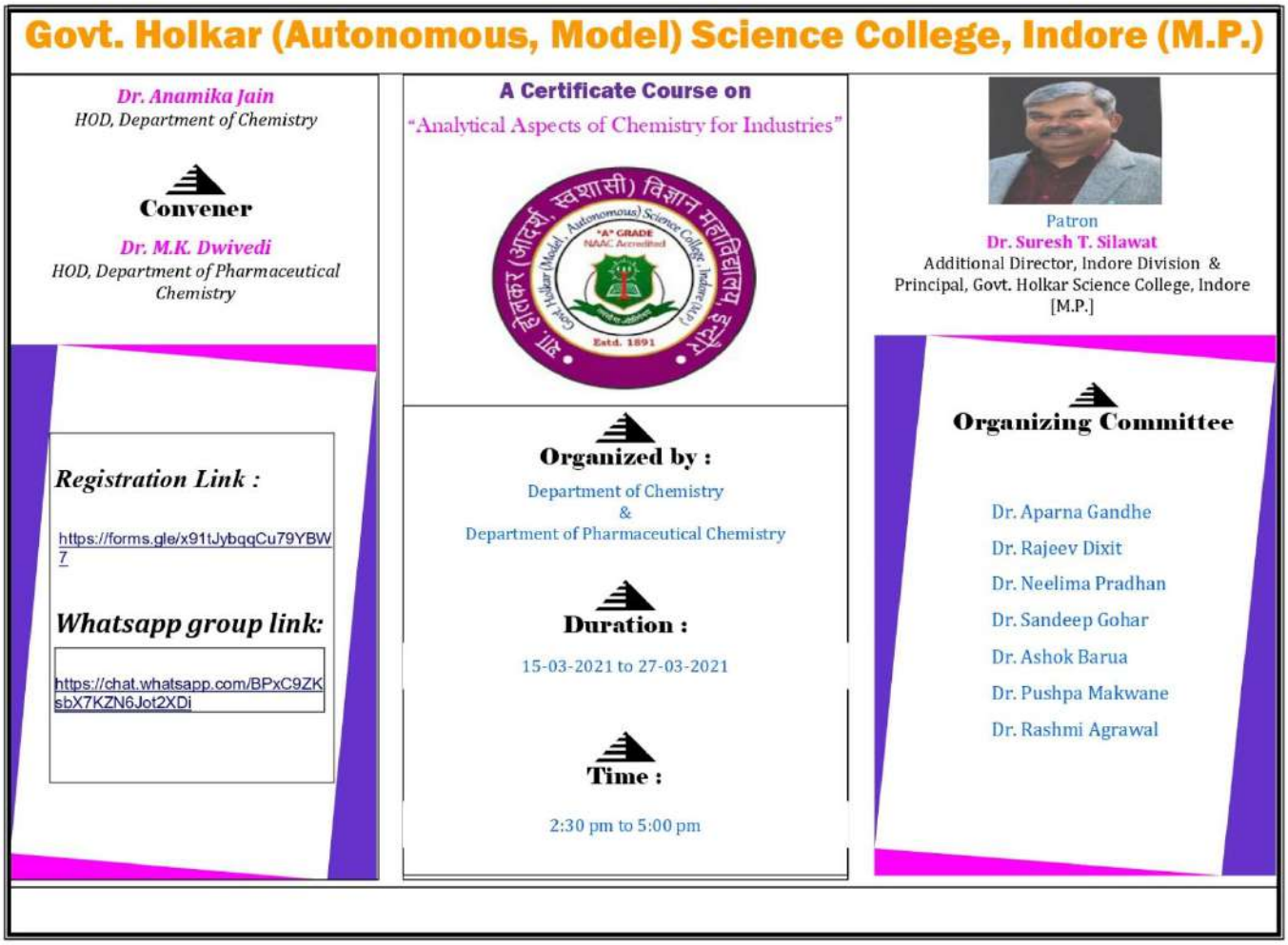
Convener
Department of Forensic Science
Forensic Science Department
Govt. Holkar (Model) Science College

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

6.
Analytical Aspects of Chemistry for Industry

6.1 Brochure: -



Govt. Holkar (Autonomous, Model) Science College, Indore (M.P.)

Dr. Anamika Jain
HOD, Department of Chemistry

Convener

Dr. M.K. Dwivedi
HOD, Department of Pharmaceutical Chemistry

Registration Link :

https://forms.gle/x91tJybqqCu79YBW7

Whatsapp group link:

https://chat.whatsapp.com/BPxC9ZKsbX7KZN6Jot2XDi

A Certificate Course on

"Analytical Aspects of Chemistry for Industries"

Organized by :

Department of Chemistry
&
Department of Pharmaceutical Chemistry

Duration :

15-03-2021 to 27-03-2021

Time :

2:30 pm to 5:00 pm

Patron
Dr. Suresh T. Silawat
Additional Director, Indore Division &
Principal, Govt. Holkar Science College, Indore
[M.P.]

Organizing Committee

Dr. Aparna Gandhe
Dr. Rajeev Dixit
Dr. Neelima Pradhan
Dr. Sandeep Gohar
Dr. Ashok Barua
Dr. Pushpa Makwane
Dr. Rashmi Agrawal

6.2 Syllabus: -

Govt. Holkar (Autonomous, Model) Science College, Indore [M.P.]

A Certificate Course on

"Analytical Aspects of Chemistry for Industries"

Conducted by:Department of Chemistry & Department of Pharmaceutical Chemistry

1. a) Safety in analytical Lab.
   b) Cleaning & Calibration of Glass wares.
   c) Handling of Reagents
   d) Notebook maintenance
   e) Preparation of solution and calculations.

2. Errors in analysis: Error, accuracy and precision, Types of errors, methods of expressing precision significant figures.

3. Qualitative & Quantitative Analysis:
   a) Mixture Analysis in inorganic and organic chemistry.
   b) Volumetric analysis, terms in volumetric analysis, Types of volumetric analysis acid-base, redox, non-aqueous, complexometric, precipitation titration and their applications.
   c) Gravimetric analysis: experimental techniques: precipitation, filtration, washing; ignition, drying, weighing , applications of gravimetric analysis.

3. Chromatographic techniques: basic principle, operational techniques of paper, Thin layer, Column and gas chromatography.

4. a) Conductometric measurements: Introduction, instrumentation, types of conductometric titration and applications.
   b) Potentiometric Titration. Principle, Instrumentation & applications.

5. a) Nephelometry and Turbidimetry- Introduction, principle, instrumentation, and applications.

   b) Colorimetric Analysis-Introduction, principle, instrumentation and pharmaceutical applications.

   c) Flame Photometry- Introduction, principle, instrumentation and their applications in pharmaceutical chemistry.

   d) Hardness, Friability and Disintegration time of tablets.

6. Solvent extraction: Introduction, principle, techniques, types of solvent extraction and applications.

7. Spectroscopic methods of Analysis: IR, UV, Visible, NMR.

   Principle, instrumentation & applications.

8. Solid Waste management.

9. a) Polymers: Rubber, Paint, Nylon, Fiber, dyes etc.

10. Food Adulteration: Common Methods of Testing and effects of adulterants on health.

11. Common Diseases & Pandemic:

12. a) Analysis of water sample ; B.O.D., C.O.D., D.O.
    b) Drug Analysis
    c) Soil analysis

Approved

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

6.3 Resource Person & Schedule: -

Certificate Course on *"Analytical Aspects of Chemistry for Industries"*

Date: 15th March to 27th March 2021

Organized by:

Department of Chemistry & Department of Pharmaceutical Chemistry,
Govt. Holkar (Autonomous, Model) Science College, Indore [M.P.]

Programme Schedule

Date	Time	Topic	Guest Lecture
15-03-2021	2.30 pm to 5:00 pm	Inauguration by Dr. Suresh T. Silawat, Additional Director, Higher Education , Indore Division, Indore [M.P.]	------
		Solid Waste Management	**Dr. Gunwant Joshi** Former *Chief Chemist, MP Pollution Control Board, Bhopal [M.P.] Mob: 9827268015*
16-03-2021	2.30 to 3.30 pm	Safety in Analytical Lab, Cleaning and Calibration, Preparation of Solutions and Calculations	**Dr. Pramod Kumar Jain** *Professor, Chemistry Govt. Holkar Science College, Indore [M.P.] Mob: 9425369298*
	3:30 to 3:45 pm	Question Answer Session	
	3.45 to 4:45pm	Flame Photometry	**Mr. Subodh Thakur** *Analyst Mob. : 7000660259*
	4:45 to 5:00 pm	Question Answer Session	
17-03-2021	2.30 to 3.30 pm	Chromatographic Techniques	**Dr. Mangla Dave** *Professor, Chemistry Mata Jija Bai Govt.Girls P.G. College, Indore [M.P.] Mob: 9425084377*
	3:30 to 3:45 pm	Question Answer Session	
	3.45 to 4:45pm	Errors in Analysis	**Prof. Unnati Bhayre** *Assistant Professor, Statistics Govt. P.G.College, RatlamM.P.] Mob. : 9425032923*
	4:45 to 5:00	Question Answer Session	

18-03-2021	2.30 to 3.30 pm	Gravimetric Analysis	**Dr. Juhi Banerjee** *Associate Professor, Chemistry* *Govt. Holkar Science College, Indore [M.P.]* *Mob: 9977371998*
	3:30 to 3:45 pm	Question Answer Session	
	3.45 to 4:45pm	Colorimetric Analysis	**Dr. Namita Bende** *Professor, Chemistry* *Govt. Holkar Science College, Indore [M.P.]* *Mob: 9424540041*
	4:45 to 5:00 pm	Question Answer Session	
19-03-2021	2.30 to 3.30 pm	NMR Spectroscopy: Principal, Instrumentation and applications	**Dr. Swagata Gupta** *Professor, Chemistry* *Govt. P.G. College, Mhow [M.P.]* *Mob: 9826028060*
	3:30 to 3:45 pm	Question Answer Session	
	3.45 to 4:45pm	Nephlometery & Turbidimetry	**Prof. Hema Kochar** *Dept of Pharma Chemistry* *Govt. Holkar Science College, Indore [M.P.]* *Mob: 8770896232*
	4:45 to 5:00 pm	Question Answer Session	
20-03-2021	2.30 to 3:30 pm	Polymers	**Dr. Bindiya Sharma** *Assistant Professor, Chemistry* *SAGE University, Indore [M.P.]* *Mob.:* 9926124179
	3:30 to 3:45 pm	Question Answer Session	
	3.45 to 4:45pm	Conductometric Measurements	**Dr. Rachna Dubey** *Assistant Professor, Chemistry* *Govt. Holkar Science College, Indore [M.P.]* *Mob:9725495872*
	4:45 to 5:00 pm	Question Answer Session	

22-03-2021	2.30 to 3.30 pm	Good Lab Practices	**Dr. Rishina Natu** *Professor, Chemistry* *P.M.B. Gujarati Science College, Indore [M.P.]* *Mob: 9827284853*
	3:30 to 3:45 pm	Question Answer Session	
	3.45 to 4:45pm	Food Adulteration	**Dr. Kirti Yadav** *Assistant Professor, Chemistry* *Kasturbagram Rural Institute, Indore [M.P.]* *Mob: 7987223277*
	4:45 to 5:00 pm	Question Answer Session	
23-03-2021	2.30 to 3:30 pm	UV, Visible & IR Spectroscopy: Instrumentation and applications	**Dr. Dhananjay Dwivedi** *Assistant Professor, Chemistry* *P.M.B. Guajarati Science College, Indore [M.P.]* *Mob: 9425350698*
	3:30 to 3:45 pm	Question Answer Session	
	3.45 to 4:45pm	Volumetric Analysis	**Dr. Bijendra Rai** *Professor, Chemistry* *Govt. Holkar Science College, Indore [M.P.]* *Mob: 9425450749*
	4:45 to 5:00 pm	Question Answer Session	
24-03-2021	2.30 to 3:30 pm	Solvent extraction	**Prof. Rashmi Joshi** *Dept. of Pharma Chemistry* *Govt. Holkar Science College, Indore [M.P.]* *Mob: 9826825010*
	3:30 to 3:45 pm	Question Answer Session	
	3.45 to 4:45pm	Hardness, Friability & disintegration time of tablets	**Dr. Rashmi Agrawal** *Dept of Pharma Chemistry* *Govt. Holkar Science College, Indore [M.P.]* *Mob: 9406869682*
	4:45 to 5:00 pm	Question Answer Session	

25-03-2021	2.30 to 3.30 pm	Common Disease & Pandemic	**Dr. H. Parmar** *Associate Professor, Biotechnology* *DAVV, Indore [M.P.]* *Mob; 9826536730*
	3:30 to 3:45 pm	Question Answer Session	
	3.45 to 4:45pm	Analysis of Water & Soil	**Prof. Anuja Sharma** *Dept. of Microbiology* *Govt. Holkar Science College, Indore [M.P.]* *Mob: 9425915397*
	4:45 to 5:00 pm	Question Answer Session	
26-03-2021	2.30 to 5.00 pm	Test	
27-03-2021	2:30 to 3:30 pm	How to overcome challenges in life?	**Dr. Ashok Jain** *Retired Professor (Psychology)* *GACC, Indore [M.P.]* *Mob: 9302102963*
	3:30 pm to 5:00 pm	Feedback and Valedictory	

6.4 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Chemistry
Session: 2020-21
Certificate Course on Analytical Aspects of Chemistry for Industries

Student List

S. No.	Name Of Participant	Gender	Fathers Name	Mobile No.
1	Prithmi Pandit	Female	Algu Pandit	7869134574
2	Shital Chatarji	Female	Bhuvaniram Chatarji	6262458244
3	Manali Kushwah	Female	Mahesh Kushwah	6264095182
4	Archana Meena	Female	Mr. M.C Meena	7428959477
5	Preeti Verma	Female	Ashok Verma	8871905470
6	Saloni Patwa	Female	Rajkumar Patwa	9893325619
7	Mahesh	Male	Vittalrao	8720011534
8	Shyam Ahirwar	Male	Babulal Ahirwar	9754591098
9	Sunil Patidar	Male	Mukesh Patidar	8965885487
10	Shubham D Patel	Male	Dadulal Patel	9407436730
11	Agnishikha	Female	Mr. Dinesh Kumar	7898474224
12	Sudama Barve	Male	Ramjivan	7771850709
13	Aneeta Devi Prajapati	Female	Malkhan Prajapati	8602548921
14	Sushmita Chouhan	Female	Jagdish Chouhan	9993828159
15	Rituraj Gupta	Male	Omhari Gupta	9993947014
16	Pragya Tomar	Female	Dharmendra Singh Tomar	7697011356
17	Ruchi Upadhyay	Female	Vinod Upadhyay	7999449594

18	Rajneesh Patel	Male	Sheshmani Patel	8236837573
19	Dipalee Mandloi	Female	Mahesh Mandloi	9754866529
20	Bharti Sahu	Female	Bhola Prasad Sahu	7223861699
21	Ronali Ransing	Female	Sanjay Ransing	8085056233
22	Pradeep Solanki	Male	Dayaram Solanki	8889484825
23	Jaya Dwivedi	Female	Mr.Raghuwar Dayal Dwivedi	8982311738
24	Sukhdeep Singh Tuteja	Male	Satendra Singh Tuteja	8602114908
25	Mona Khedekar	Female	Nanuram Khedekar	8269661283
26	Ankita Singh	Female	Balwant Singh	9179920522
27	Sachin Kumar Mishra	Male	Satendra Kumar Mishra	7828249694
28	Himansha Kumawat	Female	Ramgopal Kumawat	9887572517
29	Bharat Dhakad	Male	Babulal Dhakad	9165747055
30	Pallavi Sankhala	Female	Yogendra Sankhala	8602830200
31	Somya Saxena	Female	Late Mr.Ram Gopal Saxena	7389950599
32	Khushbu Sharma	Female	Ajay Sharma	8871477492
33	Vaishali Ghawri	Female	Dinesh Ghawri	7869317886
34	Surbhi Gupta	Female	Ashok Gupta	9893270095
35	Vicky	Male	Rajendra	9009330528
36	Ashwin Gupta	Male	Rameshwar Gupta	9685859442
37	Anjali Gangwal	Female	Rakesh Gangwal	9399400142
38	Nisha Sen	Female	Mr. Ghanshyam Sen	9131323329
39	Divya Francis	Female	C.J. Francis	7089444779
40	Nikita Choyal	Female	Bhuwaniram Choyal	9754503733
41	Kavita Prajapati	Female	Mr.Dinesh Prajapati	6267202462
42	Sonal Verma	Female	Arvindra Kumar Verma	7987993105
43	Sunita Malviya	Female	Devram Malviya	7803847521

44	Pradeep Narwe	Male	Pradeep Narwe	8435204469
45	Manisha Rathore	Female	Bhagwan Rathore	9755361486
46	Ekta Rathi	Female	Vinay Rathi	9977328535
47	Sanat Chhalotre	Male	Manoharlal Chhalotre	9754534834
48	Chanchal Chandora	Male	Radheshyam Chandora	9131137616
49	Pushpa Tayde	Female	Tukaram Tayde	9993048716
50	Bindu	Female	Mohanlal	8839089284
51	Teena Waskel	Female	Mr. Ambaram Waskel	7067234515
52	Nidhiyadav	Female	Deendayal Yadav	8319613533
53	Mahima Neema	Female	Jagdish Neema	9109967800
54	Ritika Patel	Female	Vipin Patel	7440955670
55	Kestwaldevi@Gmail.Com	Female	Rajendra Prasad Kestwal	7067619274
56	Shivanee Dhariwal	Female	Avinash Dhariwal	9575175504
57	Amrita Udaypuriya	Female	Mahesh Kumar Udaypuriya	7089111958
58	Deepali Patel	Female	Bharat Sing Patel	6265059202
59	Shivani Malviya	Female	Ashok Malviya	9407206903
60	Gitika Patidar	Female	Mr. Antim Kumar Patidar	9826112899
61	Mansi Chourasiya	Female	Mr. Kandhilal Chourasiya	9340998412
62	Surbhi Dubey	Female	Dhirendra Kumar Dubey	7610105949
63	Rajnandani Rathore	Female	Rajendra Rathore	7987376957
64	Ishika Jain	Female	Mr. Alok Jain	8989522975
65	Lina Lonkar	Female	Suresh Lonkar	9096580677
66	Rishabh Singh Sikarwar	Male	Manoj Singh Sikarwar	8120228486
67	Arjun Kumar Patidar	Male	Mr. Bajarang Patidar	7690055684
68	Ajay Deshmukh	Male	Mr. Gyanba Deshmukh	9340857045
69	Sagar Nahar	Male	Suresh Nahar	8770075324

70	Ankit Kumar Tiwari	Male	Mr.Ramakant Tiwari	6265353624
71	Pooja Chouhan	Female	Janak Singh Chouhan	9171677533
72	Tarun Chouhan	Male	Daluraam Chouhan	9406617839
73	Deepak Chhapre	Male	Satish Chhapre	7693963386
74	Biswabihari Maniprasad Mohanty	Male	Banabihari Mohanty	9178222467
75	Shivani Jaiswal	Female	Dilip Jaiswal	7440335699
76	Kiran Prajapat	Female	Balram Prajapat	6261294474
77	Vandana Patidar	Female	Ishwar Lal Patidar	9516068389
78	Priyanka Bhadoriya	Female	D C Bhadoriya	9713264364
79	Tejashwini Mulewa	Female	Mr. Devendra Mulewa	9171667345
80	Mr Sachin Jadhaw	Male	Mr Sanjay Jadhaw	9589163165
81	Pinal Jain	Female	Vimal Jain	6265876438
82	Ashish	Male	Premsingh Rathore	7566543424
83	Alok Patidar	Male	Manohar Patidar	8120923648
84	Amul Chouhan	Male	Ashok Chouhan	9977326224
85	Sonam Chakrawarti	Female	Kanchhedi Chakrawarti	7974895871
86	Rahul Pawar	Male	Hiralal Pawar	8224953191
87	Krishna Sharma	Female	Mukesh Sharma	8964803023
88	Yogesh Shinde	Male	Pandurang Shinde	8085531616
89	Nehal Patidar	Female	Mukesh Patidar	9754503593
90	Sheetal Gurjar	Female	Virendra Gurjar	9754080416
91	Hemlata	Female	Punaji	9302509742
92	Akshita Dubey	Female	Santosh Chandra Dubey	7000399700
93	Bhavika Pandagre	Female	Rajendra Kumar Pandagre	9424390699
94	Jhanvi Bhalse	Female	Mr. Sunil Bhalse	7415622161
95	Dayaram More	Male	Mr.Tarachand More	8878538835

96	Shilpa Tembhare	Female	Mr. Madan Lal Tembhare	8819901398
97	Pooja Patidar	Female	Rameshchandra Patidar	7770842492
98	Sonu Barpete	Female	Bharat Barpete	7583817965
99	Jayasharma	Female	Mr.Ramayan Prasad Sharma	9753692763
100	Nupur Hirvey	Female	Govind Hirvey	8827912123
101	Rajkumari Kag	Female	Heeralal Ji Kag	9131965413
102	Sagar Gokhe	Male	Pralhad Gokhe	9752368601
103	Lakhanlal Rathore	Male	Madan Rathore	9111713414
104	Diksha Sad	Female	Chandrashekhar Sad	7697214336
105	Sushmita Prajapati	Female	Shivram Prajapati	8305949816
106	Prachi Sachdeva	Female	Jitendra Sachdeva	9340029902
107	Anushka Namdev	Female	Mr. Vinod Namdev	8120086130
108	Neetu Goyal	Female	B. L Goyal	7748872966
109	Pooja Panwar	Female	Gourishankar Panwar	6268260339
110	Sumitgangle	Male	Vijay Gangle	9174069353
111	Suryakant Namdev	Male	Munnalal Namdev	9981291076
112	Dhanraj Prajapati	Male	Narayan Prajapati	9174947569
113	Premlata Deshmukh	Female	Gangadhar Deshmukh	9399761278
114	Vaishnavi Jat	Female	Rajesh Jat	9111127927
115	Shivani Singh	Female	Shambhunath Singh	8936047957
116	Sakshi Puranik	Female	Chatanya Puranik	9179192414
117	Shreta Singh	Female	Shyam Bahadur Singh	9098857728
118	Sonam Gangrade	Female	Shivanand Gangrade	8817381179
119	Garima Pawar	Female	Baghsingh Pawar	7974490972
120	Pradeep Katare	Male	Om Prakash Katare	7898868732
121	Sushil	Male	Radheshyam	7898587089

122	Sachin Solanki	Male	Indar Singh	8770231194
123	Pooja	Female	Santosh Chouhan	9111808553
124	Swadhinta Pushpak	Female	Ramlochan Pushpak	8349816967
125	Shivani Solanki	Female	Trilok Singh Solanki	7747058290
126	Rahul Muvel	Male	Antar Singh	8718978474
127	Sheetal Solanki	Female	Ramesh Solanki	7694823917
128	Gagan Likhitkar	Male	Gd Likhitkar	7440515653
129	Ranju Solanki	Female	Chhagan Solanki	7440554471
130	Shivaninegi	Female	Prafulnegi	9713738373
131	Kavita Sitole	Female	Mukesh Sitole	9174743083
132	Shiv Kumar Singh Paraste	Male	Bheekham Singh	8989703944
133	Manisha Meena	Female	Ramsing Meena	7879010084
134	Prabhat Kumar Mishra	Male	Mithilesh Mishra	9131663115
135	Shivani Rawat	Female	Mr. Alam Singh Rawat	9644012723
136	Zainab Ghori	Female	Afroz Ahmed Ghori	9669420425
137	Shubhangi Choudhary	Female	Jhamsingh Choudhary	9425756186
138	Sonika Kumawat	Female	Suresh Kumawat	7000851804
139	Khushbu Rajput	Female	Mr. Laxman Singh Rajput	9575042722
140	Priyanka Patidar	Female	Ramgopal Patidar	8517842738
141	Pooja Patidar	Female	Liladhar	9009752353
142	Anukriti Xalxo	Female	Agapit Xalxo	8770949147
143	Jaya Thakur	Female	Gopal Thakur	7771954433
144	Shobha Chouhan	Female	Kailash Chouhan	7987184660
145	Aditi Hardiya	Female	Sanjay Hardiya	8223844265
146	Robin Rathore	Female	Mohan Rathore	9926810731
147	Nikesh Nashikkar	Male	Chanchal Nashikkar	8827726368

148	Prachi Dave	Female	Mahesh Dave	9109846088
149	Sanjana Vishwakarma	Female	Pramod Vishwakarma	7024979707
150	Aditya Shrivastava	Male	Shailendra Shrivastava	9399530331
151	Ayushi Yadav	Female	Santosh Yadav	8982188820
152	Ankita Vasuniya	Female	Radhusingh Vasuniya	7748031932
153	Vaishali Roshan	Female	Mukesh Roshan	9893206331
154	Shila Yadav	Female	Jagdish Yadav	9981870857
155	Monika Billore	Female	Tukaram Billore	7869806738
156	Monika Mugelwal	Female	Hariprasad Mungelwal	8085633998
157	Trapti Gaghoriya	Female	Tilak Chand Gaghoriya	9098909556
158	Aaditya Bhatore	Male	Aashish Bhatore	7987588393
159	Anjali Temarnya	Female	Shivprasad Temarnya	9575360739
160	Shivani Solanki	Female	Navin Solanki	9753766891
161	Kajal Tiwari	Female	Mr. Ghanshyam Tiwari	9285092489
162	Isha Sahu	Female	Mr Jitendra Sahu	7898853176
163	Sona Dangi	Female	Narendra Dangi	7879442203
164	Bhavna Patel	Female	Mr. Haresingh Patel	7987359378
165	Shivani Mukati	Female	Yogendra Singh Mukati	9294524704
166	Harshita Sonkar	Female	Mr. Hemant Sonkar	8602457791
167	Aditi Jain	Female	Dileep Jain	7354194646
168	Suprabha Sharma	Female	Mr Sanjay Kumar Sharma	8827835356
169	Harsh Gujar	Male	Arjun Gujar	7354484048
170	Nayan Pandey	Female	Prakash Narayan Pandey	7987798925
171	Ajay Patidar	Male	Kailash Patidar	8839449827
172	Krishnachandra Patel	Male	Jashwant Singh Patel	8458843841
173	Abhilasha Tripathi	Female	Mr.Ravishankar Tripathi	6267043849

174	Omkar Dangi	Male	Rajendra Dangi	9131082363
175	Preeti Tiwari	Female	Mr. Ramesh Tiwari	7024375996
176	Simran Kushwah	Female	Ganesh Kushwah	6261077449
177	Pradeep Chauhan	Male	Mohan Singh Chauhan	9977581309
178	Shubham Kumar Sahu	Male	Lahnu Sahu	9144576709
179	Rajesh Sitole	Male	Tukaram Sitole	9753802113
180	Yashi Surothiya	Female	Mr. Akhilesh Kumar Surothiya	7999422176
181	Vedika Rajoriya	Female	Sunil Rajoriya	9981865944
182	Neha Tiwari	Female	Mr. Suresh Tiwari	9111680070
183	Rakhi Mandloi	Female	Ram Singh Mandloi	9479403243
184	Muskan Upadhyay	Female	Yogesh Upadhyay	9754411528
185	Sanyam Jain	Male	Subhash Chand Jain	7566029864
186	Anshul Rai	Male	Har Govind Rai	9993179543
187	Sandeep Shakya	Male	Lhore Lal	9770630394
188	Abhishek Ahirwar	Male	Mahesh Prasad Ahirwar	6262249935
189	Richa Sharma	Female	Sharad Sharma	9098575790
190	Pramedha Kamplikar	Female	Prashant Kamplikar	9691066767
191	Sakshi Patankar	Female	Pramod Patankar	8839643044
192	Aayushi Bundela	Female	Sunderlal Bundela	6263913522
193	Manas Sanoria	Male	Rajesh Kumar Sanoria	8827917168
194	Birendra	Male	Mansharam	9926982932
195	Neeraj Ahirwar	Male	Babulal Ahirwar	7024523438
196	Vishal Pushpad	Male	Hokam Pushpad	8965037988
197	Apurva Karahe	Female	Manoj Karahe	7692883016
198	Rohit Patel	Male	Rammurti	9109517248
199	Vanshika Mehta	Female	Mr. Mahesh Mehta	9993271664

200	Sachin Ahire	Male	Kailash Ahire	7224832354
201	Manoj Gangarekar	Male	Dinesh Gangarekar	7747975785
202	Malay Panchakshari	Male	Milind Panchakshari	9131776891
203	Divya Singh	Female	Arun Pratap Singh	9685028306
204	Prakhi Dubey	Female	Dilip Dubey	7049400998
205	Ajay Deshmukh	Male	Gyanba Deshmukh	9340857045
206	Mukesh Vasuniya	Male	Badiya Vasuniya	8966880042
207	Anish Patidar	Male	Ishwarlal Patidar	9109038633
208	Sakshi Singh	Female	Ashok Singh	8989901780
209	Anjali Kushwah	Female	Dwarka Prasad Kushwah	8435891121
210	Anishta Singh	Female	Mr.Amar Bahadur Singh	6268596009
211	Chidambara Sharma	Female	Sudheer Sharma	9340216161
212	Payal Birla	Female	Mr. Dayachand Birla	6264666342
213	Neha Thakur	Female	Pritam Singh Thakur	7049232407
214	Pradip Kushwah	Male	Bhagwan Kushwah	7354412388
215	Pushpendra Kumar Kushwaha	Male	Prakash Narayan Kushwaha	9131012181
216	Anupama Jain	Female	Dr. Sudesh Jain	7000275206
217	Pranav Sharma	Male	Mr. Shatrughan Sharma	8305251451
218	Tejarsing Thakur	Male	Nanla Thakur	9977220357
219	Kavita Kumawat	Female	Santosh Kumawat	9516597375
220	Sakshi Kelkar	Female	Dilip Kelkar	8305029326
221	Shamshur Rab	Male	Abdul Rab	8656861109
222	Saurabh Anbhore	Male	Uddhao Anbhore	8839770225
223	Prerna Tiwari	Female	Mr Jitendra Tiwari	7389199939
224	Shraddha Patidar	Female	Manoj Patidar	7649813241
225	Shivani Mandloi	Female	Rajendra Mandloi	7722825757

226	Shivangi Tiwari	Female	Jitendra Kumar Tiwari	8109032454
227	Siddharth Raghuwanshi	Male	Santosh Raghuwanshi	9755693722
228	Pragya Soni	Female	Laxminarayan Soni	8962003381
229	Jatin Pandey	Male	Vijay Pandey	7771885589
230	Roshni Kaushal	Female	Suresh Kaushal	8982070789
231	Anand Mandloi	Male	Makhan Mandloi	9993516100
232	Romit Mandloi	Male	Omprakash Mandloi	7898567833
233	Rinku Pagare	Female	Dinesh Pagare	9691512202
234	Vishakha Belsare	Female	Ramesh Belsare	6263855983
235	Tanupriya Chouhan	Female	Dinesh Chouhan	9770222791
236	Verchasvi Saxena	Female	Rajendra Kumar Saxena	6263201321
237	Priya Yadav	Female	Mahendra Yadav	9301027827
238	Trishala Omre	Female	Lalchand Omre	7000238158
239	Neha Pathariya	Female	Ashok Kumar Pathariya	8770469514
240	Seema Rupale	Female	Chandrasekhar Rupale	9691077955
241	Shivani Singhwane	Female	Mr. Ramjeevan Singhwane	9301643348
242	Rupali Pawar	Female	Jhanak Pawar	6260862372
243	Sakshi Singh	Female	Rampal Singh	7415878286
244	Pooja Kapasiya	Female	Sidhuram Kapasiya	6267987887
245	Shubham Kumar Jha	Male	Subhash Chandra Jha	9981894801
246	Awesh Sheikh	Male	Saeed Sheikh	9977973789
247	Palak Sharma	Female	Dr.Ashok Sharma	9589598567
248	Rajrani Dhurve	Female	Binori Dhurve	7049391229
249	Swati Mukati	Female	Rajesh Mukati	9826376706
250	Ramjeevan Karoda	Male	Kilesh Karoda	9399054356
251	Bhagyashree Vishwakarma	Female	Santosh Vishwakarma	9009884148

252	Vikas Rajoriya	Male	Gabbu Rajoriya	9993818466
253	Kratika Dubey	Female	Arun Dubey	9617549391
254	Rishabh Dwivedi	Male	Ravishankar Dwivedi	8965048952
255	Reena Mehra	Female	Parasram Mehra	6261580554
256	Megha Ghodela	Female	Rajesh Ghodela	7869904841
257	Pankaj Gavli	Male	Hariprasad	9893837625
258	Manisha Rathore	Female	Manohar Rathore	7746080902
259	Rupal Baraskar	Female	Krishna Baraskar	6266960036
260	Priti	Female	Mr. Santosh Sawle	8316416695
261	Priyanka Sawle	Female	Sukhdev Sawle	9074704815
262	Chetna Rawat	Female	Ratansigh Rawat	8269326778
263	Hariom Choudhary	Male	Jitendra Chaudhary	7610554515
264	Shruti Swamy	Female	Gopal Swamy	8461877321
265	Atul Farkade	Male	Devman Farkade	9516517520
266	Abhishek Mayank	Male	Mr. Dinesh Deepankar	7440771475
267	Nikita Mishra	Female	Naval Kishore Mishra	8109837415
268	Krishna Mori	Female	Jursingh Mori	8085079194
269	Shivani Vaishnav	Female	Mahesh Vaishnav	9977009074
270	Ashish Soni	Male	Girdharilal Soni	9144644844
271	Ranu Jamra	Female	Gopal Jamra	9753419397
272	Kajal Pawar	Female	Bharat Pawar	8823898710
273	Pallvee Kartikey	Female	Mr. R.K Kartikey	6267877127
274	Subhash Soliya	Male	Namliya	7694951005
275	Manvendra Prabhat	Male	Ramnaresh Singh Prabhat	9977204770
276	Amit Bhinde	Male	Motesingh Bhinde	9174809512
277	Kajal Sharma	Female	Achhaibar Sharma	7440435459

278	Golu Muwel	Male	Ramesh Muwel	6263778639
279	Bhanumati Muniya	Female	Champalal Muniya	9644165677
280	Urvashi Churiya	Female	Shri Gangaram Churiya	8349650320
281	Shubham Sharma	Male	Rakesh Sharma	7000554154
282	Kavita Sitole	Female	Mukesh Sitole	8964858811
283	Kavita Sitole	Female	Mukesh Sitole	8964858811
284	Shifa	Female	Mr. Raj Mohammad	9165435386

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College Indore

6.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Department of Chemistry has organised the value-added certificate course on "**Analytical aspects of chemistry for industry**" successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Convener
Department of Chemistry
Professor And Head
Department of Chemistry
Govt. Holkar Sc. College INDORE

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

7.
Soft Skill

7.1 Brochure: -

SOFT SKILLS
GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE
(ACCREDITED GRADE "A" BY NAAC)
DURATION: 30 HOURS
(25.11.2020 TO 11.12.2020)
SHORT TERM CERTIFICATE COURSE
ON
SOFT SKILLS
ORGANIZED BY:
DEPARTMENT OF BOTANY
OUR RESOURCE PARTNERS
• IMS, DAVV, INDORE
• JAYPURIA INSTITUTE OF MANAGEMENT, INDORE
• PRESTIGE INSTITUTE OF MANAGEMENT, INDORE.
• CH EDGE MAKER, INDORE
GOAL:
TO ENHANCE EMPLOYABILITY
COURSE HIGHLIGHTS
• BUILDING A POSITIVE ATTITUDE
• EMOTIONAL AND SOCIAL INTELLIGENCE
• COMMUNICATION AND LISTENING SKILLS
• ADAPTABILITY FOR CAREER SUCCESS
• SELF MANAGEMENT
• PERSONALITY TRAITS AND CAREER CHOICES
• POST COVID: TECHNOLOGY AS AN ENABLER
• TEAM WORK FOR SUCCESS
• STRESS AND COPING STRATEGIES
• DECISION MAKING
• GROUP DISCUSSION
• PERSONAL INTERVIEW
PROF. AMIYA PAHARE
CONVENER
DR. SANJIDA IQBAL
HOD, BOTANY
DR. SURESH T. SILAWAT
PRINCIPAL

7.2 Syllabus: -

Part B :Content of the Course

Govt. Holkar (Model Autonomous)Science College, Indore (M.P.)

Department of Botany

Year 2020-21

Class - For UG and PG Students

Certificate Course on Soft Skill

Max. Marks 50 Min. Marks -17

Unit-I

1- Building a positive attitude.
2- Communication and listening.
3- Emotional and social intelligence.

Unit-II

1- Adaptability for career Success
2- Self-management
3- Personality trails and career choices.

Unit- III

1- Post covid: Technology as an Enabler.
2- Conflict Management
3- Team work for success

Unit- IV

1- Stress and coping strategies for success
2- CV Writing and presentation skills.
3- Decision Making

Unit- V

1- Group discussion and formal dressing
2- Personal Interview
3- Problem solving sessions.

Approved

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

7.3 Resource Persons: -

SPEAKER'S PROFILES FOR "SOFT SKILL" CERTIFICATE COURSE.

(1) Professor Arindam Saha is currently working at Jaipuria Institute of management , Indore . He has done Ph.D on data driven decisions for organisational effectiveness and HR in analytical approach from DAVV Indore . He has 18 years of experience his area of research are organisational structure and design ,organisational performance , leadership and HR analytics. earlier he worked with IIM Gurgaon as a faculty for OB and HRM .

(2) Dr VIVEK SHARMA is a faculty at IMS , DAVV ,Indore . His area of expertise is Organisational Behaviour,HRM and Quantitative techniques. He has done FDP from IIM Indore and he has done Ph.D in Management from IMS , DAVV Indore . He has done his Engineering from SGSITS , Indore and he has been teaching at IIMS DAVV Indore since 2007.

(3) Dr Romi Saini is Associate Professor of Marketing and Associate Dean academics at Jaipuria Institute of management , Indore . Her area of research is retail service quality , customer loyalty and customer engagement . Her area of teaching is marketing . Dr Romy Sainy has 17 years of work experience in academic ,training and research in the area of marketing , retail and consumers behaviour . She has conducted many training programmes and management development programmes for senior and middle management level executives. She is also recipient of the best paper award at IIM ,Indore at 10 th ASMIE annual conference.

(4) Dr Sandeep Atre is co-founder and director of CH Edgemakers , his area of expertise is Emotional and Social intelligence . He has written two books Understanding Emotions Logically and Observing Non-verbal Behavior . He is a noted blogger also and he is counselling psychologist also for emotional and social intelligence . He has about 20 years of work experience and he's an expert trainer also.

(5) Dr POOJA Singh Kushwaha is an Associate Professor at Jaipur Institute of Management,Indore . She is also Dean and program chair . Her area of research are knowledge management , social networking and database management . Her teaching area is IT and analytics , she has more than 16 years of experience in the field of information systems . She is IBM certified analytics trainer ,she has Google certification in the area of analytic and research engine optimisation and digital marketing she has conducted number of seminars around the country .

(6) Dr Nitin Mehr is an Associate Professor at Jaipuria Institute of Management, Indore and his research areas include business analytics ,time series forecasting and predictive analytics. He has done Ph.D in computer science ,from Jiwaji University , Gwalior. His areas of teaching include management information systems , data mining business analytics , business forecasting digital marketing. He has teaching experience of twenty three years.

(7) Professor Tarun Agarwal is working at Jaipur Institute of management , Indore. His skills and expertise are marketing management ,banking marketing , finance , digital payment , financial inclusion and financial literacy . He has six publications to his credit.

7.4 Students List: -

SKILL DEVLOPMENT / VALUE ADDED COURSE

S. No	Component/Activities	Details of event
1	Name of the Department / Unit / Agency:	Botany
2	Name of the Activity:	Value added/ Soft Skill/ Course – **Certificate Course in Soft Skill**
3	Name of the Scheme:	Botany
4	Date and Year of the Activity:	23/11/2020 to 11/12/2020
5	Number of Students Participated in the activity:	13
6	Report of the Activity (in 100 words):	The Department of Botany conducted a Certificate course "Soft Skill" to enhance the employability of UG and PG final year students. This Certificate course was of 30 hours duration and was conducted from 25/11/2020 to 11/12/2020. The topics covered under this program were Building a positive attitude, Emotional & social intelligence, Communication & listening skills, Adaptability for career success, Self-management, Personality traits and career choices, Post COVID: technology as an enabler, Team working for success, Stress and coping strategies for success, Decision making. The resource persons were from IMS DAVV Indore, Jaypuriya Institute of Management Indore, Prestige Institute of Management Indore, CH Edge maker Indore and some topic like Communication skill, Conflict management, CV writing and presentation Skills, Group discussion and formal dressing and Personal interview were taken by the course Coordinator Prof. Amiya Pahare. There were 13 Students who got them self-registered and appeared for the written exam also.

विभागाध्यक्ष
वनस्पति शास्त्र विभाग
अहिल्या विश्व... इन्दौर

7	Photo of Activity:	
10	List of Participants	

S.no	NAME
1	Simran Maratha
2	Sameera Mansuri
3	Sandeep Patel
4	Greesha Thakre
5	Asha kushwaha
6	Rajtilak tomar
7	Swati Mali
8	Shweta Sharma
9	Mayur bagheshwar
10	Priya chouhan
11	Chandan
12	Dipika karole
13	Rishita Tripathi

Signature of Activity Incharge

विभागाध्यक्ष
वनस्पतिशास्त्र विभाग
शा. होलकर विज्ञान महा. इन्दौर

Note: 1). Please use Time New Roman font with 12 font sizes.

2). Delete extra rows if data is not available.

3). Preserve the word file in your computer.

7.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Department of Botany has organised the value-added certificate course on "**Soft skills**" successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

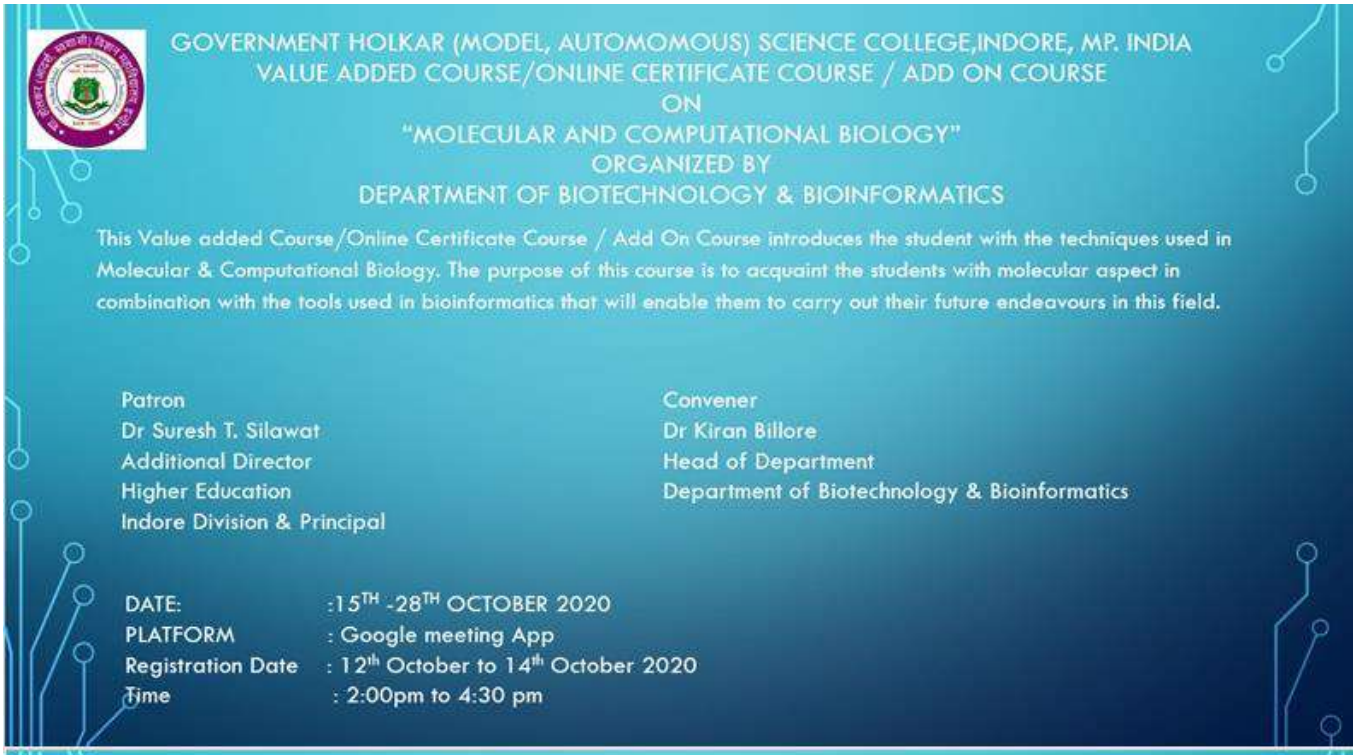
Convener
Department of Botany

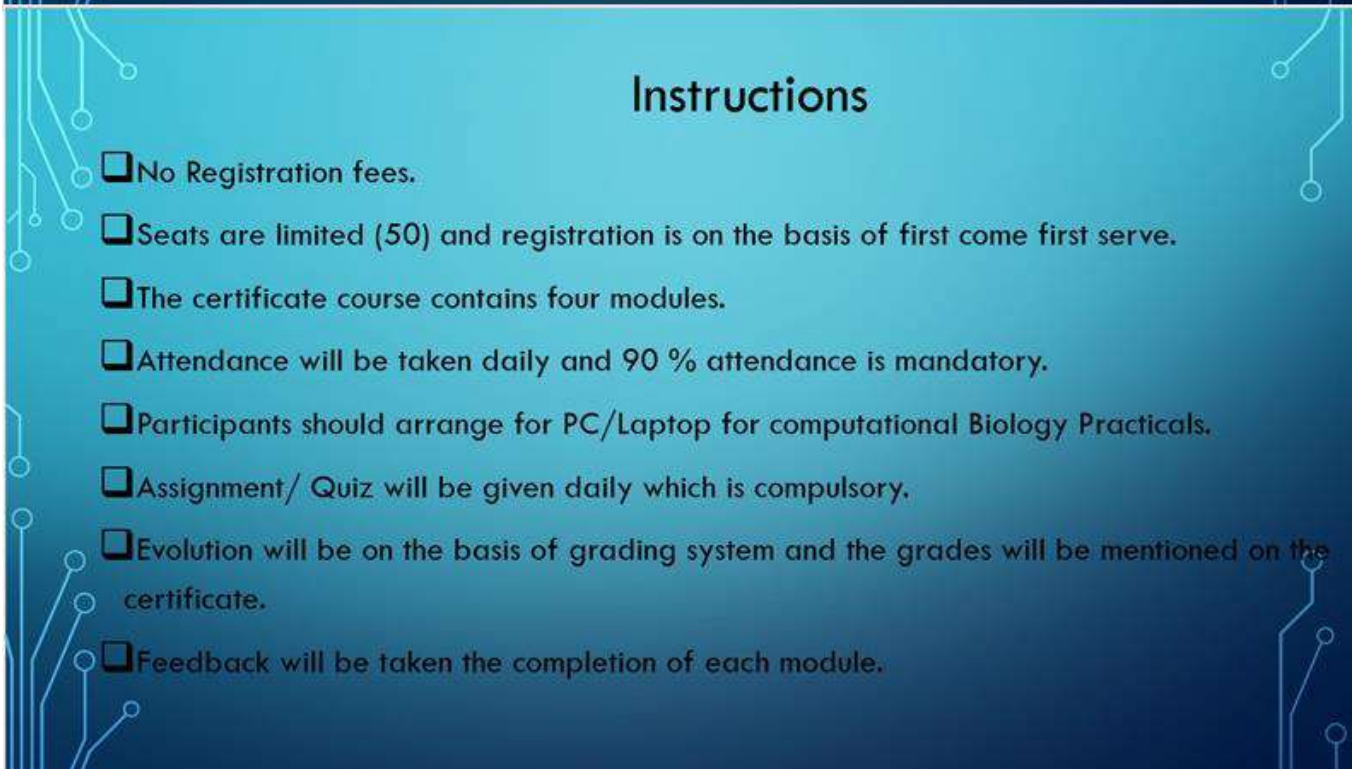
Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

8.
Molecular and Computational Biology

8.1Brochure: -


GOVERNMENT HOLKAR (MODEL, AUTOMOMOUS) SCIENCE COLLEGE,INDORE, MP. INDIA
VALUE ADDED COURSE/ONLINE CERTIFICATE COURSE / ADD ON COURSE
ON
"MOLECULAR AND COMPUTATIONAL BIOLOGY"
ORGANIZED BY
DEPARTMENT OF BIOTECHNOLOGY & BIOINFORMATICS
This Value added Course/Online Certificate Course / Add On Course introduces the student with the techniques used in Molecular & Computational Biology. The purpose of this course is to acquaint the students with molecular aspect in combination with the tools used in bioinformatics that will enable them to carry out their future endeavours in this field.
Patron
Dr Suresh T. Silawat
Additional Director
Higher Education
Indore Division & Principal
Convener
Dr Kiran Billore
Head of Department
Department of Biotechnology & Bioinformatics
DATE: :15TH -28TH OCTOBER 2020
PLATFORM : Google meeting App
Registration Date : 12th October to 14th October 2020
Time : 2:00pm to 4:30 pm


Instructions
No Registration fees.
Seats are limited (50) and registration is on the basis of first come first serve.
The certificate course contains four modules.
Attendance will be taken daily and 90 % attendance is mandatory.
Participants should arrange for PC/Laptop for computational Biology Practicals.
Assignment/ Quiz will be given daily which is compulsory.
Evolution will be on the basis of grading system and the grades will be mentioned on the certificate.
Feedback will be taken the completion of each module.

8.2 Syllabus: -

Govt. Holakr (Model Autonomous) Science College, Indore

Department of Biotechnology & Bioinformatics

Session: - 2020-21

SYLLABUS FOR ONLINE CERTIFICATE COURSE / Value Added Course

MODULE	TOPIC
MODULE 1 OVERVIEW OF MOLECULARBIOLOGY	WHAT IS MOLECULAR BIOLOGY,THE GENOME
	DNA STRUCTURE & MODIFICATION DNA as a genetic material, Various experiments related of DNA, Composition of DNA, DNA structure, types of DNA. DNA modification: Methylation and Epigenetic modification and Histone modification: Acetylation and Deacetylation of Histone
	CENTRAL DOGMA, TRANSCRIPTION Basics of transcription, Transcription process, Mechanism of Transcription: initiation, elongation and termination, Role of RNA Polymerase, Synthesis of protein coding mRNA.
	TRANSLATION Definition, Role of translation, Mechanism of translation in prokaryotes and eukaryotes: Initiation, Elongation and termination.
MODULE 2 MEASUREMENT TECHNOLOGY	PCR Introduction of PCR, Methods of PCR: thermal Cycling.
	ELECTROPHOROSIS Gel Electrophoresis, Analysis of macromolecules (DNA, RNA and Protein) and theirfragments, based on their size and charge.
	DNA SEQUENCING, APPLICATION OF SEQUENCING Introduction of DNA sequencing, its type, methods for DNA sequencing. Its scopes andapplications.
MODULE 3 COMPUTATIONAL TECHNOLOGY	FOUNDATION OF COMPUTER Basics of computer: Definition, components of computer, history and foundation ofcomputer and its application. DATA STRUCTURE AND DBMS Data structure, Type of Data structure. Data Base management system: Basics, feature,type of DBMS, Its application.

	INTRODUCTION OF BIOINFORMATICS **Introduction of Bioinformatics: History, application and the future scopes of the Bioinformatics.** **BIOLOGICAL DATABASE** **Role of Biological database, Features of Database, Kind of biological Data, Type of biological database. Applications of the biological database.**
	NCBI SEQUENCE RETRIVAL **Introduction of NCBI. Explore the NCBI database. Interpretation of the NCBI databaseresult and use of NCBI.** **STRUCTURAL DATABASE PDB** **3D macromolecular structure database, PDB: Retrieval, download the structure. Application.**

MODULE 4 **SEQUENCE ANALYSIS**	**SIMILARITY SEARCH BLAST** **BLAST introduction, Explore BLAST tool. Interpretation of the BLASTresult and use of the BLAST tool.** **MULTIPLE SEQUENCE ALIGNMENT CLUSTAL W** **Introduction of MSA. Explore CLUSTAL W Tool, Application of MSA.**
	3D STRUCTURE PREDICTION SWISSMODEL **3D STRUCTURE VIEWER RASMOL** **3D structure prediction: Basics, Methods, 3D structure prediction Tool: SWISSMODEL, Its application. 3D structure visualization tool Rasmol.**

Approved

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

8.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Biotechnology & Bioinformatics
Session: 2020-21

Student List for Online Certificate Course/Value Added Course

S.No.	Name	Username	Phone Number
1	Palak Kanojiya	Palakkanojiya88@Gmail.Com	9575711813
2	Pooja Sen	Senpooja238@Gmail.Com	7722806023
3	Chanchal Borana	Muchanchal16@Gmail.Com	7415673110
4	Yogita Mandloi	Yogimandloi788@Gmail.Com	9685942979
5	Shivani Joshi	Shivanijoshi0421@Gmail.Com	9893636874
6	Shubhi Bawane	Bawane_Shubhi@Yahoo.Com	7354562192
7	Anamika Singh	Anamikasingh3660@Gmail.Com	7987704043
8	Sonal Sharma	Sharmasonal3111@Gmail.Com	8319197749
9	Sameera Khan	Sameerakhan2598@Gmail.Com	7000415743
10	Akanksha Bhattacharya	Akanksha.Drub@Gmail.Com	8435033036
11	Sanjana Baranwal	Sanjanabaranwal25@Gmail.Com	7049709040
12	Ananya Deb	Dkanu997@Gmail.Com	8770777217
13	Khushboo Rajoria	Khushboorajoria.R@Gmail.Com	7879239736
14	Madhvi D. Pokle	Madhvipokle17@Gmail.Com	8668807104
15	Manisha Khade	Manishakhade796@Gmail.Com	9340992943
16	Neha Malviya	Nehamalviya2701@Gmail.Com	8109195070
17	Sadia Tahir	Greatgirl645@Gmail.Com	9300036444
18	Kiran Gour	Kirangour1910@Gmail.Com	9165587520
19	Varsha Sriram	Sriramvarsha@Gmail.Com	8903579581
20	Neha Malviya	Nehamalviya2701@Gmail.Com	8109195070
21	Deepti Bagahe	Deeptibagahe18@Gmail.Com	7697203547
22	Supriya Lasunte	Supriyalasunte888@Gmail.Com	7000456918
23	Pankaj Kumar Sanodiya	Pankajsanodiya5@Gmail.Com	8889002836
24	Apoorva Nema	Apoorvanema97@Gmail.Com	9407396808
25	Anamika Shukla	Anamikashukla210@Gmail.Com	8982572060
26	Akata	Akataverma@Gmail.Com	9981246102
27	Saloni Patidar	Patidarsaloni241@Gmail.Com	9131359351
28	Jaya Viskute	Jaya.Viskute123@Gmail.Com	6267029156
29	Ashmita Pathak	Pathakashmita25@Gamil.Com	9589750816
30	Kundan Solanki	Kundanrajput198@Gmail.Com	9993000492
31	Sanal Jain	Sanaljain.131@Gmail.Com	7898849855
32	Mansi Namdev	Namdevmansi794@Gmail.Com	7224814976
33	Renu Mishra	Renumishra21@Gmail.Com	9425014870
34	Abhishek Vyas	Abhishekvyasav49@Gmail.Com	8982256838
35	Kanupriya Singh	Kkanu.Priya.Singh@Gmail.Com	9424343820

36	Naincy Patidar	Nancypatidar25@Gmail.Com	9131249905
37	Jayanti Bajpai	Jayantibajpai1998@Gmail.Com	7415556878
38	Rekha Kharka	Payalkharka410@Gmail.Com	7471173127
39	Nancy Sahu	Nancysahu0911@Gmail.Com	8109248771
40	Anshu Thakur	Anshuthakur32119@Gmail.Com	8085170051
41	Shivani Baghel	Baghelshivani067@Gmail.Com	9755275195
42	Vaishali Sharma	Anniesr1998@Gmail.Com	8989550245
43	Geetika Sharma	Geetus2000@Gmail.Com	9111077300
44	Devesh Mohne	Tomjerry7566@Gmail.Com	9584238956
45	Aarti Baghel	Aartibaghel1998@Gmail.Com	8109535631
46	Arati Damor	Artidamor124@Gmail.Com	9685517710
47	Muskan Osley	Muskanosley635@Gmail.Com	7974225079
48	Pragya Dubey	Pragyadubey0995@Gmail.Com	8827111166
49	Shivangi Raghuwanshi	Shivangiraghuwanshi68@Gmail.Com	9171231806
50	Rishika Patidar	Rishika6268366106@Gmail.Com	6268366106
51	Priya Mori	Priyamori19988@Gmail.Com	9294687218
52	Rohinee Dehariya	Rohineedehariya1@Gmail.Com	7566698177

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

8.4 Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Department of Bioinformatics has organised the value-added certificate course on **"Molecular and Computational Biology"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Convener
Department of Bioinformatics
Head
Department of Biotechnology
Govt. Holkar Science College, Indore

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

9.
Renewable Energy and Energy Efficiency & Conservation-Technologies, Application, Approaches, Treads and Policies

9.1 Brochure: -

GOVERNMENT HOLKAR (MODEL, AUTOMOMOUS) SCIENCE COLLEGE,INDORE, MP. INDIA
VALUE ADDED COURSE/ONLINE CERTIFICATE COURSE / ADD ON COURSE
ON
"RENEWABLE ENERGY AND ENERGY EFFICIENCY & CONSERVATION –
TECHNOLOGIES, APPLICATIONS, APPROACHES, TRENDS AND POLICIES"
ORGANIZED BY
DEPARTMENT OF PHYSICS

This Value added Course/Online Certificate Course / Add On Course introduces the student with the techniques used in Renewable Energy and Energy Efficiency . The purpose of this course is to impart knowledge on Renewable Energy, Energy Efficiency and Conservation. After completion of this course student will be to carry out their future endeavours in this field.

Patron
Dr. Suresh T. Silawat
Additional Director
Higher Education
Indore Division & Principal

Convener
Dr. G. D. Gupta
Head of Department
Department of Physics

DATE: :4TH -16TH Sep. 2020
PLATFORM : Google meeting App

9.2 Syllabus: -

Department of Physics
Government (Model Autonomous) Holkar Science College, Indore, MP, INDIA
CERTIFICATE COURSE
ON
Renewable Energy and Energy Efficiency & Conservation – technologies, applications, approaches, trends and policies
Mode: Online

Course Objective: To impart knowledge on renewable energy, energy efficiency and conservation, related government policies, techno-commercial aspects and its implementation in commercial and industrial application.

Course Duration: 30 Hours

Class	Subject	CCE	Min Marks	Term End Exam	Mini marks	Total	Mini. Marks
Certificate Course	Fundamentals of solar energy, solar thermal, PV and its applications	10	4	40	13	50	17
	Practical/Project /Assignment	-	-	-	-	50	17

UNIT	UNIT NAME	CONTENTS	Duration
1	**Energy Efficiency and Conservation**	1. Types of energy (primary, secondary and final). non-conventional and conventional sources of energy 2. Energy Efficiency and Conservation in buildings, appliances and industry	**6 hrs**
2		3. Bureau of Energy Efficiency, basics of energy audit, energy transition, energy access and energy security 4.World Energy overview, India energy overview, clean cooling, modern fuel and other related topics Standard and Labeling, Perform Achieve and Trade and other national schemes. Government schemes and policies.	**6 hrs**
3	**Renewable Energy**	1. Comparison of India with other countries in its ambition to reduce Green House Gases (GHG) emission and achieving Nationally Determined Contribution (NDC), non-conventional sources of energy 2. Solar thermal and solar Photo voltaic (PV)basics	**6 hrs**
4		3. Solar water heater, solar flat plate collector, trends and targets of renewable energy (RE) in India, solar-PV and thermal hybrid system 4.Potential of solar PV/thermal in industries and commercial sector. Government schemes and policies	**6 hrs**
5	**Practical/Project/ Assignment**	Related with the course content	**6 hrs**

Note: Classes will be held on weekend (Saturday & Sunday) Time from 12:00 to 2:30 PM

(Anant Shukla)

9.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore

Department of Physics

Students list for Renewable Energy and Energy Efficiency & Conservation- Technologies, Application, Approaches, Treads and Policies

S. No.	Name	Father's Name	Roll No.
1	Aarti Diwan	Devesh Diwan	2101
2	Aditi Naik	Surendra Naik	2102
3	Anita Bhabhar	Laxman Singh	2103
4	Ankita Vishwakarma	Santosh	2104
5	Ayush Tiwari	Sanjay	2105
6	Bushra Ansari	Mohammed Rafique Ansari	2106
7	Chidambra Sharma	Sudheer Sharma	2107
8	Deepak Kumar Patidar	Lalchand	2108
9	Devrishi Salvi	Naresh	2109
10	Komal Rathor	Ashok	2110
11	Krishnakant Baiswaar	Pawan	2111
12	Manisha Khede	Rameshwar	2112
13	Meenakshi Gour	Omprakash Gour	2113
14	Pooja Deewan	Ravindra	2114
15	Prafull Soni	Mukesh	2115
16	Rahul Meghwaal	Shiv Narayan	2116
17	Rahul Vishwakarma	Balram	2117
18	Rajeev Dwivedi	Umesh Kumar	2118
19	Ranu Pawar	Gajendra Singh	2119
20	Rupesh Patel	Sitaram	2120
21	Shalini Panwar	Dinesh	2121
22	Shoaib Pathan	Lateef	2122
23	Shruti Vyas	Rakesh	2123
24	Sohan Rathodiya	Dayaram	2124
25	Sonam Raghav	Anmol	2125
26	Sonu Maida	Mohanlal	2126
27	Soumya Shukla	Mukesh	2127
28	Yogesh Kori	Gyadeen	2128
29	Sarita Kumrawat	Laxminarayan	2129
30	Sonali Solanki	Amar Singh	2130

प्राध्यापक एवं विभागाध्यक्ष
भौतिकी विभाग
शा. होलकर विज्ञान महाविद्यालय
इन्दौर

9.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Department of Physics has organised the value-added certificate course on "**Renewable Energy, Energy Efficiency & Conservation – Technologies, Applications, Approaches, Trends and Policies"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Verified by IQAC

Convener
Department of Physics

10.
Food Manufacturing and Processing

10.1 Brochure: -

Government Holkar

(Model Autonomous)

Science College Indore

Swami Vivekanand career Guidance cell

Date: - 08/02/2021 to 09/03/2021

Food Manufacturing and Processing course

This Value-Added Course the Food Manufacturing and Processing course sponsored by the Vivekanand Career Guidance Cell and organized by the RCVP Noronha Academy. This course, which will be conducted from August 2, 2021, to September 3, 2021, is designed to provide participants with knowledge and skills in the field of food manufacturing and processing.

Key Benefits of the Course:

- Participants will gain a comprehensive understanding of food manufacturing and processing techniques, including food safety and quality control, packaging, and labeling.
- The course is taught by experienced and knowledgeable instructors, including a renowned Borocher in the field.
- Participants will have the opportunity to visit local food manufacturing and processing facilities to gain practical, hands-on experience.
- Upon completion of the course, participants will be equipped with the skills and knowledge necessary to succeed in the food manufacturing and processing industry..

Objectives of the Course

The objective of the Food Manufacturing and Processing course is to equip participants with the knowledge and skills necessary to succeed in the food manufacturing and processing industry. By the end of the course, participants will have a comprehensive understanding of food manufacturing and processing techniques, including food safety and quality control, packaging, and labeling.

Career Prospects: The Food Manufacturing and Processing course offers excellent career prospects in the industry. Graduates may be employed as supervisors, inspectors, technologists, or specialists in packaging and labeling. With the demand for processed foods on the rise, skilled professionals are needed. This course equips participants with the skills and knowledge to succeed in this exciting field..

Overview of the Syllabus

course syllabus covers a wide range of topics, including: Introduction to food manufacturing and processing• Food safety and quality control• Food processing techniques. The course is designed to be interactive and hands-on, with participants encouraged to actively engage in discussions and practical exercises

10.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Value Added Course
On
"Food Manufacturing and Processing"
Syllabus

Module 1: Introduction to Food Manufacturing and Processing:

- Introduction to food manufacturing and processing
- Importance of food safety and quality in food manufacturing
- Basic principles of food processing and preservation
- Overview of food industry regulations and standards
- Food processing equipment and machinery

Module 2: Food Safety and Quality Management:

- Principles of food safety and quality management
- Food safety hazards and risk assessment
- HACCP (Hazard Analysis and Critical Control Points) principles
- Food safety regulations and compliance
- Quality control and assurance techniques

Module 3: Food Processing Technologies:

- Overview of common food processing technologies
- Thermal processing methods (pasteurization, sterilization, etc.)
- Non-thermal processing methods (high pressure processing, irradiation, etc.)
- Food packaging and preservation techniques
- Emerging food processing technologies (nanotechnology, biotechnology, etc.)

Module 4: Product Development and Marketing:

- Product development process in the food industry
- Consumer preferences and market research
- Marketing strategies and product promotion
- Packaging design and labelling regulations
- Product pricing and distribution channels

Module 5: Food Industry Trends and Challenges:

- Current trends and future prospects in the food industry
- Globalization and food supply chain management
- Sustainability and environmental concerns in food production
- Food waste reduction strategies
- Challenges in food manufacturing and processing (food fraud, workforce management, etc.)

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

10.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Session: 2020-21

Student List for Food Manufacturing and Processing

S.No.	Student Name
1	Pushpa Tayde
2	Sheetal Solanki
3	Mayuri Sakhare
4	Himansha Kumawat
5	Chanchal Chandora
6	Priyanka Solanki
7	Aafreen Shaikh
8	Shubhi Bawane
9	Chanchal Borana
10	Ranu Dogaya
11	Aditi Singh
12	Shweta Rajvaidhya
13	Devika shah
14	Vaishali Sharma
15	Aarti Baghel
16	Priyanshi Gupta
17	Namrah Parveen
18	Manoj Kumar Rawat
19	Varsha Chouhan
20	Isha Sahu
21	Barkha Rathore
22	Rekha Kharka
23	Sushma Barfa
24	Swati Mukati
25	Meena Mukati
26	Mayur Deshmukh
27	Devyani Kestwal
28	Apurva Paliwal

(Dr. Kanta Muchandani)
Incharge

10.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Swami Vivekanand career Guidance cell has organised the value-added certificate course on **"Food Manufacturing and Processing"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Convener
Swami Vivekanand career Guidance cell

Swami Vivekananda Career Guidance Cell
Govt. Holkar (Model Autonomous)
Science College, INDORE

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

11.
E-commerce and Online Banking

11.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore

Date: -
08/02/2021
To
09/03/2021

Swami Vivekanand Career Guidance Cell

Value Added Course on E-commerce and Online Banking

Key Benefits of the Course:

- Learn about the rapidly evolving world of e-commerce and online banking.
- Develop the necessary skills and knowledge to succeed in online businesses and transactions.
- Understand the risks and opportunities associated with online banking and e-commerce.
- Learn from experienced professionals and gain practical insights into the workings of the industry.
- Obtain a certification from a reputable institution that will enhance your resume and boost your career prospects.

Objectives of the Course:

The objective of this course is to provide participants with a comprehensive understanding of e-commerce and online banking. The course will cover topics such as online business models, payment gateways, digital marketing, cybersecurity, and online transactions. Participants will also learn about the regulatory and legal aspects of online banking and e-commerce.

Career Opportunities:

Upon completion of this course, participants will be equipped to pursue a variety of careers in the e-commerce and online banking industry, including:

- E-commerce business owner
- Digital marketing specialist
- Online banking and payment gateway specialist
- Cybersecurity analyst
- Online transactions manager

Brief Syllabus: The course will cover the following topics:

- Introduction to E-commerce and Online Banking
- Online Business Models
- Payment Gateways and Digital Transactions
- Cybersecurity and Fraud Prevention
- Digital Marketing and Branding
- Legal and Regulatory Aspects of Online Banking and E-commerce

11.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Value Added Course
On
"E-Commerce and Online Banking"
Syllabus

Module 1: Introduction to E-commerce and Online Banking:

- Introduction to e-commerce and online banking
- History and evolution of e-commerce
- Types of e-commerce (B2B, B2C, C2C, etc.)
- Online banking services and features
- Digital payment systems

Module 2: E-commerce Website Design and Development:

- Website design principles for e-commerce
- E-commerce platforms and content management systems (CMS)
- Shopping cart and checkout process design
- Mobile optimization for e-commerce websites
- Security and privacy considerations for e-commerce websites

Module 3: Online Marketing and Sales Strategies:

- Overview of digital marketing channels (SEO, SEM, social media, email marketing, etc.)
- Market research and customer analysis for e-commerce
- Product pricing and promotion strategies
- Sales funnel optimization and conversion rate optimization (CRO)
- Customer relationship management (CRM) for e-commerce

Module 4: Online Banking and Financial Services:

- Types of online banking and financial services (mobile banking, online investment, etc.)
- Online security and fraud prevention in online banking
- Credit and debit card processing for e-commerce
- Online loans and financing options
- Financial planning and management tools for consumers

Module 5: E-commerce Legal and Ethical Considerations:

- Legal and regulatory frameworks for e-commerce and online banking
- Consumer protection laws and regulations
- Intellectual property rights in e-commerce
- Ethical considerations in online marketing and sales
- Emerging trends and challenges in e-commerce and online banking.

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

11.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Session: 2020-21
Student List for E-Commerce and Online Banking

S.No.	Student Name
1	Bhavna Choubey
2	Pridhi Agrawal
3	Arpita Singh
4	Rakesh Prajapat
5	Yogesh Mawada
6	Shubham Rajput
7	Sanskriti Sharma
8	Kushal Patel
9	Neha Solanki
10	Santosh Sahu
11	Manisha Brahmwanshi
12	Neha Sharma
13	Simran
14	Kamal baghel

(Dr. K. Mulchandani)
Incharge

11.4 Course Completion Certificate: -

(12)

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Swami Vivekanand career Guidance cell has organised the value-added certificate course on **"E-Commerce and Online Banking"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Convener
Swami Vivekanand career Guidance cell

Coordinator
Swami Vivekananda Career Guidance Cell
Govt. Holkar (Model Autonomous)
Science College, INDORE

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

12.
Animal Husbandry and Poultry, Sericulture and Fisheries

12.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore

Date: -
08/02/2021
To
09/03/2021

Swami Vivekanand Career Guidance Cell

Value Added Course on Animal Husbandry and Poultry Sericulture and Fisheries

Brief Syllabus: The course will cover the following topics:

- Introduction to Animal Husbandry, Poultry, Sericulture, and Fisheries
- Breeding and Genetics
- Animal Nutrition and Feed Management
- Disease Control and Management
- Marketing and Value-Added Products
- Aquaculture and Fisheries Management
- Sericulture and Silk Production

Key Benefits of the Course:

- Gain a comprehensive understanding of animal husbandry, poultry, sericulture, and fisheries.
- Develop the necessary skills and knowledge to excel in the field of animal husbandry and related industries.
- Learn about the latest technologies and practices in the industry and stay ahead of the curve.
- Explore career opportunities in the industry and acquire the confidence to pursue them.
- Learn from experienced professionals and gain practical insights into the workings of the industry.
- Obtain a certification from a reputable institution that will enhance your resume and boost your career prospects.

Objectives of the Course:

The objective of this course is to provide participants with a comprehensive understanding of animal husbandry, poultry, sericulture, and fisheries. The course will cover topics such as breeding and genetics, nutrition, disease control, management practices, marketing, and value-added products. Participants will also gain an understanding of the challenges and opportunities in the industry and develop the skills and knowledge necessary to succeed in the field.

Career Opportunities:

Upon completion of this course, participants will be equipped to pursue a variety of careers in animal husbandry and related industries, including:

- Livestock and poultry farm manager
- Sericulture specialist
- Fisheries and aquaculture manager
- Animal health and nutrition consultant
- Value-added product developer

12.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Value Added Course
On
"Animal Husbandry and Poultry, Sericulture and fisheries"
Syllabus

Module 1: Introduction to Agriculture and Animal Sciences:

- Overview of agriculture and animal sciences
- Key challenges and opportunities in animal husbandry, sericulture, and fisheries
- Sustainable agriculture practices
- Animal welfare and ethics

Module 2: Animal Husbandry and Poultry:

- Breeds of farm animals and poultry
- Animal and poultry production systems
- Animal nutrition and feed management
- Animal health and disease management
- Marketing and business management in animal and poultry production

Module 3: Sericulture:

- Types of silk and their characteristics
- Silkworm rearing and management
- Silk production and processing
- Sericulture and rural development
- Emerging trends and challenges in sericulture

Module 4: Fisheries:

- Fisheries resources and their utilization
- Fish biology and aquaculture
- Fisheries management and regulations
- Fish processing and preservation
- Emerging trends and challenges in fisheries

Module 5: Applied Skills in Animal Sciences:

- Practical skills for animal and poultry production
- Sericulture equipment and machinery
- Aquaculture systems and practices
- Quality control and assurance in animal sciences
- Entrepreneurship and innovation in animal sciences

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

12.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Session: 2020-21
Student List for Animal Husbandry and Poultry, Sericulture and fisheries

S.No.	Student Name
1	Rajkumar
2	Manisha Baghel
3	Govind Tanwar
4	Priya Chouhan
5	Vaishali Verma
6	Jagdish
7	Sudhir Tiwari
8	Gourav Badgoti
9	Sursingh

(Dr. K. Mulchandani)
Incharge

12.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Swami Vivekanand career Guidance cell has organised the value-added certificate course on "**Animal Husbandry and Poultry , Sericulture and fisheries"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

Convener
Swami Vivekanand career Guidance cell

Coordinator
Swami Vivekanand Career Guidance Cell
Govt. Holkar (Model Autonomous)
Science College, INDORE

37

13.
Solar Energy Plant Maintenance and Marketing

13.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore

Date: -
08/02/2021
To
09/03/2021

Swami Vivekanand Career Guidance Cell

Value Added Course on Solar Energy Plant Maintenance & Marketing

Brief Syllabus: The course will cover the following topics:

- Introduction to Solar Energy Technology
- Solar Energy Plant Design and Installation
- Solar Energy Plant Maintenance
- Solar Energy Plant Performance Monitoring
- Marketing and Sales Strategies for Solar Energy
- Business Development in the Solar Energy Industry

Key Benefits of the Course:

- Gain a comprehensive understanding of solar energy plant maintenance and marketing.
- Develop the necessary skills and knowledge to maintain and market solar energy plants.
- Learn about the latest technologies and practices in the industry and stay ahead of the curve.
- Explore career opportunities in the industry and acquire the confidence to pursue them.
- Learn from experienced professionals and gain practical insights into the workings of the industry.
- Obtain a certification from a reputable institution that will enhance your resume and boost your career prospects.

Objectives of the Course:

The objective of this course is to provide participants with a comprehensive understanding of solar energy plant maintenance and marketing. The course will cover topics such as solar energy technology, maintenance practices, marketing strategies, and business development. Participants will also gain an understanding of the challenges and opportunities in the industry and develop the skills and knowledge necessary to succeed in the field.

Career Opportunities:

Upon completion of this course, participants will be equipped to pursue a variety of careers in the solar energy industry, including:

- Solar plant maintenance engineer
- Solar power plant manager
- Solar energy consultant
- Solar marketing and sales specialist
- Solar energy business developer
-

13.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Value Added Course
On
"Solar Energy plant Maintenance and marketing"
Syllabus

Module 1: Introduction to Solar Energy Plant Maintenance:

- Overview of solar energy plant maintenance
- Importance of regular maintenance
- Basic components of a solar energy plant
- Common maintenance issues and their solutions

Module 2: Technical Maintenance of Solar Energy Plants:

- PV module maintenance
- Inverter maintenance
- Battery maintenance
- Monitoring and control system maintenance

Module 3: Preventive Maintenance of Solar Energy Plants:

- Inspection and cleaning procedures
- Preventive maintenance schedules
- Troubleshooting techniques
- Safety procedures

Module 4: Marketing of Solar Energy Plant Maintenance Services:

- Market analysis and research
- Business plan development
- Marketing strategies and tactics
- Customer relationship management

Module 5: Business Operations and Management:

- Financial management
- Human resources management
- Project management
- Legal and regulatory compliance

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

13.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Session: 2020-21
Student List for Solar Energy Plant Maintenance and marketing

S.No.	Student Name
1	Narendra Achhaniya
2	Mansi Chourasiya
3	Nikhil Neve
4	Sachin Payasi
5	Shivani Mukati
6	Sonal Verma
7	Anajali
8	Aditi Hardiya
9	Teena Waskel
10	Shreta Singh
11	Sharmila Dawar
12	Payal Birla
13	Mohan Ningwal
14	Kajal Tiwari

(Dr. K. Mulchandani)
Incharge

13.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Swami Vivekanand career Guidance cell has organised the value-added certificate course on "**Solar Energy plant Maintenance and marketing"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

Convener
Swami Vivekanand career Guidance cell

Swami Vivekanand Career Guidance Cell
Govt. Holkar (Model Autonomous)
Science College, INDORE

14.
Advance Agricultural Skills

14.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore

Date: -
08/02/2021
To
09/03/2021

Swami Vivekanand Career Guidance Cell

Value Added Course on Advance Agricultural Skills

Brief Syllabus: The course will cover the following topics:

- Precision Agriculture
- Crop Management
- Soil Health and Fertility Management
- Irrigation Management
- Pest and Disease Management
- Post-Harvest Management

Key Benefits of the Course:

- Gain a deeper understanding of advanced agricultural skills and techniques.
- Learn about the latest trends and practices in the agriculture industry.
- Develop the necessary skills to improve agricultural productivity and profitability.
- Gain practical experience through hands-on training sessions.
- Enhance your resume and improve your career prospects in the agriculture industry.
- Receive a certification from a reputable institution upon successful completion of the course.

Objectives of the Course:

The objective of this course is to provide participants with a comprehensive understanding of advanced agricultural skills and techniques. The course will cover topics such as precision agriculture, crop management, soil health, irrigation management, pest management, and post-harvest management. Participants will also gain practical experience through hands-on training sessions and field visits.

Career Opportunities:

Upon completion of this course, participants will be equipped to pursue a variety of careers in the agriculture industry, including:

- Agricultural specialist
- Agricultural consultant
- Crop production manager
- Agricultural research scientist
- Farm manager

14.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Value Added Course
On
"Advance Agricultural skills"
Syllabus

Module 1: Introduction to Advanced Agricultural Skills:

- Overview of advanced agricultural practices
- Importance of sustainable agriculture
- Basic concepts of precision farming
- Emerging technologies in agriculture

Module 2: Soil Management and Fertilizer Use:

- Soil sampling and analysis
- Soil fertility management
- Nutrient management strategies
- Organic and inorganic fertilizer use

Module 3: Crop Management and Production:

- Crop selection and planning
- Seed selection and planting techniques
- Irrigation management
- Pest and disease management

Module 4: Marketing and Business Management:

- Market analysis and research
- Business plan development
- Marketing strategies and tactics
- Customer relationship management

Module 5: Sustainable Agricultural Practices:

- Conservation agriculture
- Agroforestry
- Integrated crop-livestock systems
- Climate-smart agriculture

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

14.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Session: 2020-21
Student List for Advance Agricultural skills

S.No.	Student Name
1	Mousam
2	Anamika Lodhi
3	Tanya Gupta
4	Sanjay Yadav
5	Mayuri Paradh
6	Dewansh Verma
7	Abhilasha Shrivastava
8	Jitendra Dodve
9	Purottama shah
10	Pavan Kumar Dwivedi
11	Vasundhara Rai
12	Shakshi dubey
13	Shivam Patel
14	Chetan Limbodiya

Kmc ani
(Dr. K. Mulchandani)
Incharge

14.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Swami Vivekanand career Guidance cell has organised the value-added certificate course on "**Advanced Agricultural skills**" successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

Convener
Swami Vivekanand career Guidance cell

Co-ordinator
Swami Vivekananda Career Guidance Cell
Govt. Holkar (Model Autonomous)
Science College, INDORE

15.
Taxation-IT and GST Returns Filling

15.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore

Date:
08/02/2021
To
09/03/2021

Swami Vivekanand Career Guidance Cell

Value Added Course on Taxation-IT and GST Returns Filling

Brief Syllabus: The course will cover the following topics:

- Income Tax laws
- GST laws
- IT returns filing
- GST returns filing
- Taxation compliance

Key Benefits of the Course:

- Gain a comprehensive understanding of taxation laws, IT, and GST return filing.
- Learn about the latest trends and practices in the taxation industry.
- Develop the necessary skills to manage and file tax returns effectively.
- Enhance your resume and improve your career prospects in the taxation industry.
- Receive a certification from a reputable institution upon successful completion of the course.

Objectives of the Course:

The objective of this course is to provide participants with a comprehensive understanding of taxation laws, IT, and GST return filing. The course will cover topics such as income tax laws, GST laws, IT returns filing, GST returns filing, and taxation compliance. Participants will also gain practical experience through hands-on training sessions.

Career Opportunities:

Upon completion of this course, participants will be equipped to pursue a variety of careers in the taxation industry, including:

- Tax consultant
- Tax analyst
- GST consultant
- GST analyst
- Accounting and finance professional

15.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Value Added Course
On
"Taxation-IT and GST returns filling"
Syllabus

Module 1: Introduction to Taxation and GST:

- Overview of taxation in India
- Introduction to GST
- Types of taxes in India
- GST registration process

Module 2: GST Returns Filing:

- GST return filing procedures
- Types of GST returns and their due dates
- GST payment and refund process
- Common errors and mistakes in GST returns filing

Module 3: Income Tax Returns Filing:

- Introduction to income tax
- Income tax slab rates and deductions
- Types of income tax returns and their due dates
- E-filing of income tax returns

Module 4: Tax Planning and Compliance:

- Tax planning strategies
- Tax saving investments and deductions
- Tax compliance and record keeping
- Tax audits and assessments

Module 5: Taxation-IT and GST software tools:

- Introduction to GST and taxation software tools
- Features and benefits of GST and taxation software
- Demonstration of software tools for GST and taxation

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

15.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Session: 2020-21
Student List for Taxation-IT and GST returns filling

S.No.	Student Name
1	Ramlakhan Dangi
2	Priyata Marathe
3	Neelansh Jain
4	Elsa kurian
5	Tarun Choudhary
6	Himsanshu Jain
7	Nikita Kumre

(Dr. K. Mulchandani)
Incharge

15.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Swami Vivekanand career Guidance cell has organised the value-added certificate course on **"Taxation-IT and GST returns filling"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

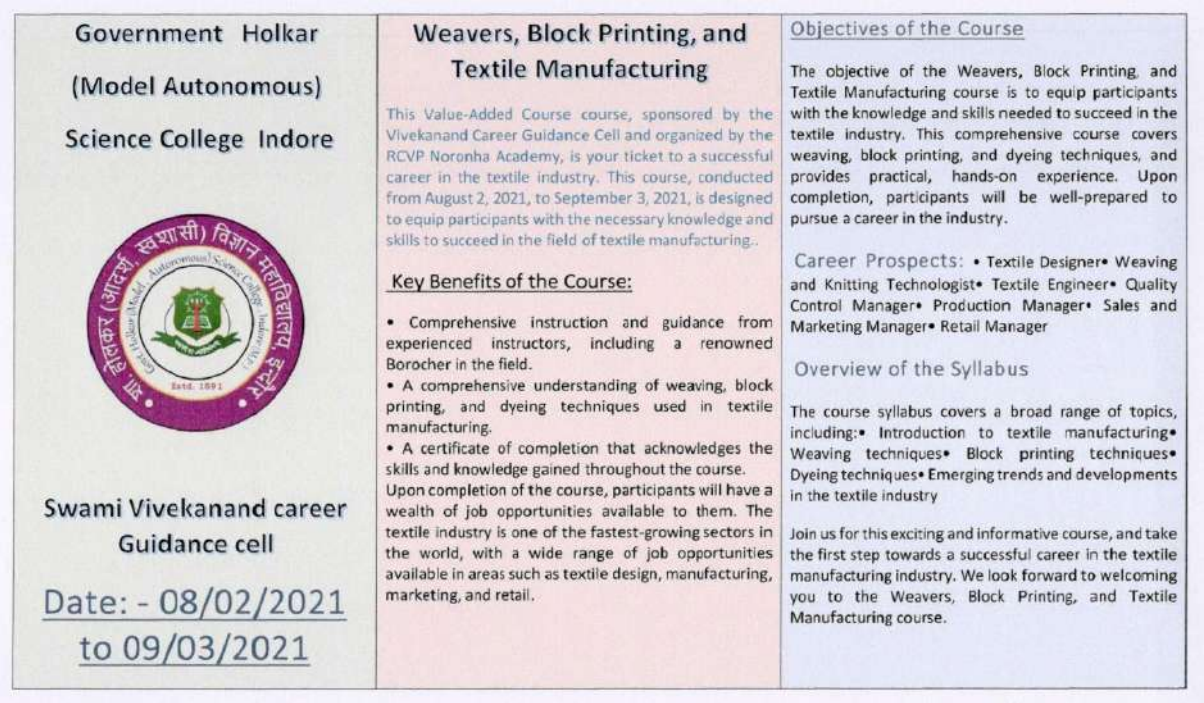
Enclosed: List of Students

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

Convener
Swami Vivekanand career Guidance cell
Coordinator
Swami Vivekananda Career Guidance Cell
Govt. Holkar (Model Autonomous)
Science College, INDORE

16.
Weaves, Block Printing and Textile Manufacturing

16.1 Brochure: -



Government Holkar

(Model Autonomous)

Science College Indore

Swami Vivekanand career Guidance cell

Date: - 08/02/2021 to 09/03/2021

Weavers, Block Printing, and Textile Manufacturing

This Value-Added Course course, sponsored by the Vivekanand Career Guidance Cell and organized by the RCVP Noronha Academy, is your ticket to a successful career in the textile industry. This course, conducted from August 2, 2021, to September 3, 2021, is designed to equip participants with the necessary knowledge and skills to succeed in the field of textile manufacturing..

Key Benefits of the Course:

- Comprehensive instruction and guidance from experienced instructors, including a renowned Borocher in the field.
- A comprehensive understanding of weaving, block printing, and dyeing techniques used in textile manufacturing.
- A certificate of completion that acknowledges the skills and knowledge gained throughout the course.

Upon completion of the course, participants will have a wealth of job opportunities available to them. The textile industry is one of the fastest-growing sectors in the world, with a wide range of job opportunities available in areas such as textile design, manufacturing, marketing, and retail.

Objectives of the Course

The objective of the Weavers, Block Printing, and Textile Manufacturing course is to equip participants with the knowledge and skills needed to succeed in the textile industry. This comprehensive course covers weaving, block printing, and dyeing techniques, and provides practical, hands-on experience. Upon completion, participants will be well-prepared to pursue a career in the industry.

Career Prospects: • Textile Designer• Weaving and Knitting Technologist• Textile Engineer• Quality Control Manager• Production Manager• Sales and Marketing Manager• Retail Manager

Overview of the Syllabus

The course syllabus covers a broad range of topics, including:• Introduction to textile manufacturing• Weaving techniques• Block printing techniques• Dyeing techniques• Emerging trends and developments in the textile industry

Join us for this exciting and informative course, and take the first step towards a successful career in the textile manufacturing industry. We look forward to welcoming you to the Weavers, Block Printing, and Textile Manufacturing course.

16.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Value Added Course
On
"Weaves, block printing and textile manufacturing"
Syllabus

Module 1: Introduction to Weaves and Textile Manufacturing:

- Overview of weaving and textile manufacturing
- Types of looms and their uses
- Basic weaving techniques
- Introduction to textile manufacturing processes

Module 2: Fabric Printing Techniques:

- Overview of block printing
- Block printing tools and materials
- Types of fabrics used for printing
- Printing techniques for different fabrics

Module 3: Dyeing Techniques:

- Overview of fabric dyeing
- Types of fabric dyes
- Dyeing techniques for natural and synthetic fabrics
- Fabric preparation and finishing after dyeing

Module 4: Textile Design and Trends:

- Textile design techniques
- Trend analysis in the textile industry
- Sustainable and eco-friendly textile production
- Market analysis and research for textile products

Module 5: Business Management and Marketing:

- Business plan development for textile manufacturing and printing
- Marketing strategies and tactics for textile products
- Supply chain management in textile production
- Financial management for textile businesses

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

16.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Session: 2020-21
Student List for Weaves, Block Printing and Textile Manufacturing

S.No.	Student Name
1	Simran Maratha
2	Sameera Mansuri

K.P. Rai
(DR K.P. Rai)
Incharge.

16.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Swami Vivekanand career Guidance cell has organised the value-added certificate course on "**Weaves, block printing and textile manufacturing"** successfully in the session 2020 -2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

Convener
Swami Vivekanand career Guidance cell

Coordinator
Swami Vivekanand Career Guidance Cell
Govt. Holkar (Model Autonomous)
INDORE

41

17.
Journalism and Translation Work

17.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore

Date:
08/02/2021
To
09/03/2021

Swami Vivekanand Career Guidance Cell

Value Added Course on Journalism & Translation Work

Brief Syllabus: The course will cover the following topics:

- Introduction to journalism
- News writing
- Feature writing
- Reporting
- Editing
- Translation
- Ethics in journalism
- Media law and regulations

Key Benefits of the Course:

- Develop skills in journalism and translation work.
- Gain practical experience in writing, reporting, and translation.
- Enhance your language skills and ability to communicate effectively.
- Improve your resume and career prospects in journalism and translation.
- Receive a certification from a reputable institution upon successful completion of the course.

Objectives of the Course:

The objective of this course is to provide participants with practical skills and experience in journalism and translation work. The course will cover topics such as news writing, feature writing, reporting, editing, and translation. Participants will also gain practical experience through hands-on training sessions..

Career Opportunities:

Upon completion of this course, participants will be equipped to pursue a variety of careers in journalism and translation, including:

- Journalist
- News reporter
- Copy editor
- Translator
- Freelance writer

17.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Value Added Course
On
"Journalism and translation work"
Syllabus

Module 1: Introduction to Journalism and Translation:

- Overview of Journalism and Translation
- Similarities and Differences between Journalism and Translation
- Importance of Journalism and Translation in today's world

Module 2: Basic Concepts of Journalism:

- News Writing and Reporting
- Interviewing Techniques
- Ethics and Professional Standards in Journalism
- Types of Journalism

Module 3: Basic Concepts of Translation:

- Introduction to Translation Theory
- Translation Process
- Translation Techniques
- Translation Ethics and Professional Standards

Module 4: Advanced Topics in Journalism and Translation:

- Investigative Journalism and Translation
- International Journalism and Translation
- Media Ethics and Legal Issues
- Localization and Transcreation

Module 5: Case Studies and Practical Applications:

- Case studies on Journalism and Translation
- Practical applications of Journalism and Translation
- Project work and group discussions
- Guest lectures and workshops by industry professionals

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

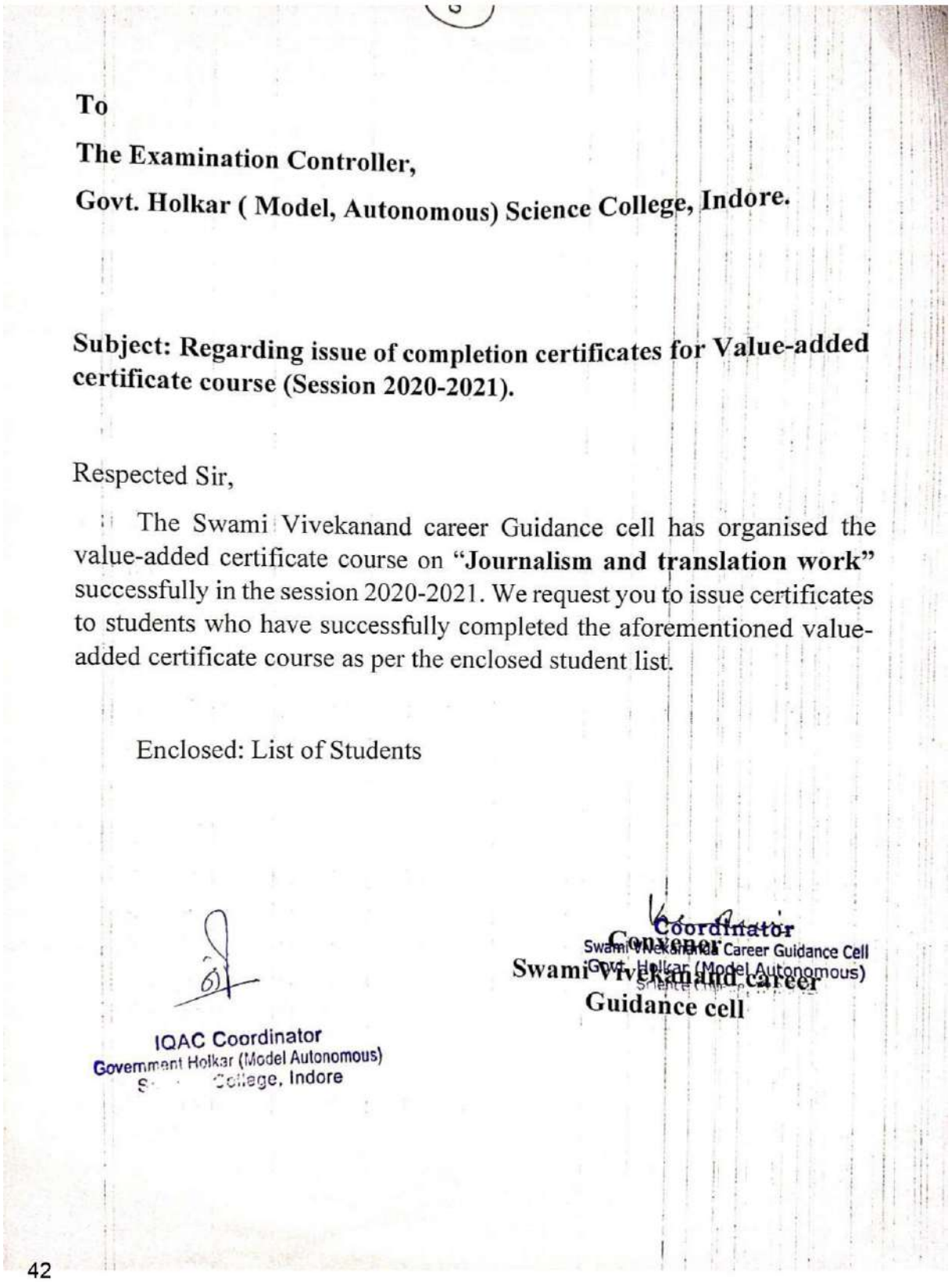
17.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Session: 2020-21
Student List for Journalism and Translation Work

S.No.	Student Name
1	Khirad Sayyed
2	Ritika Sharma
3	Jayesh Giri
4	Himalaya shri
5	Preeti Ansari
6	Shivani solanki
7	Aniket Patel

K.N. Tiwari
(DR K.N. Tiwari)
Incharge

17.4 Course Completion Certificate: -



To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Swami Vivekanand career Guidance cell has organised the value-added certificate course on "**Journalism and translation work**" successfully in the session 2020-2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

IQAC Coordinator
Government Holkar (Model Autonomous)
College, Indore

Coordinator
Convener
Swami Vivekanand career
Guidance cell

18.
Tourism and Travel Management

18.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore

Value Added Course on Tourism and Travel Management

DATE: 08/02/2021 TO 09/03/2021

Swami Vivekanand Career Guidance Scheme

Value Added Course on Tourism and Travel Management

Key Benefits of the Course:

- Gain a comprehensive understanding of the tourism and travel industry and its various components.
- Develop the necessary skills and knowledge to excel in the field of tourism and travel management.
- Explore career opportunities in the industry and acquire the confidence to pursue them.
- Learn from experienced professionals and gain practical insights into the workings of the industry.
- Obtain a certification from a reputable institution that will enhance your resume and boost your career prospects.

Objectives of the Course:

The objective of this course is to provide participants with a comprehensive understanding of the tourism and travel industry and its various components. The course will cover topics such as tourism trends, travel geography, hospitality management, and tour planning. Participants will also gain an understanding of the challenges and opportunities in the industry and develop the skills and knowledge necessary to succeed in the field.

Career Opportunities:

Upon completion of this course, participants will be equipped to pursue a variety of careers in the tourism and travel industry, including:

- Travel agent
- Tour operator
- Hospitality manager
- Tour guide
- Destination marketing manager
- Event planner

18.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Value Added Course
On
"Tourism and Travel Management"
Syllabus

Module 1: Introduction to Tourism and Travel Management:

- Definition and scope of tourism and travel management
- History and evolution of tourism industry
- Types of tourism and travel products
- Major stakeholders in tourism and travel industry

Module 2: Destination Management:

- Destination marketing and promotion
- Destination planning and development
- Destination branding and positioning
- Sustainable tourism practices

Module 3: Travel Operations Management:

- Tour packaging and pricing
- Transportation management
- Accommodation management
- Tour guiding and customer service

Module 4: Tourism and Travel Industry Regulations:

- Tourism and travel laws and regulations
- Health and safety regulations
- Environmental regulations
- Ethics and corporate social responsibility

Module 5: Tourism and Travel Business Management:

- Business planning and strategy
- Financial management
- Human resource management
- Technology and innovation in tourism and travel industry

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

18.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Swami Vivekanand Career Guidance Cell
Session: 2020-21
Student List for Tourism and Travel Management

S.no.	Student Name
1	Aakash Bariya
2	Nainshee Soni

(Dr. R. Mulchandani)
Incharge

18.4 Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of completion certificates for Value-added certificate course (Session 2020-2021).

Respected Sir,

The Swami Vivekanand career Guidance cell has organised the value-added certificate course on "**Tourism and Travel Management**" successfully in the session 2020-2021. We request you to issue certificates to students who have successfully completed the aforementioned value-added certificate course as per the enclosed student list.

Enclosed: List of Students

Coordinator
Swami Vivekananda Career Guidance Cell
Govt. Holkar (Model Autonomous)
Science College, Indore

Convener
Swami Vivekanand career
Guidance cell

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

2019-2020

1.

Advance Agro Techniques for Entrepreneurship Development

1.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE
UNDER THE UMBRELLA OF IQAC
A
Value-added certificate course
on
ADVANCED AGRO TECHNIQUES FOR ENTREPRENEURSHIP DEVLOPMENT
ORGANIZED BY:
DEPARTMENTS OF BOTANY
GOAL:
SKILL DEVELOPMENT IN AGRO-SECTOR
ELIGIBILITY: ALL REGULAR STUDENTS
COURSE HIGHLIGHTS
• MODERN AGRO-TECHNIQUES
• SUSTAINABLE AGRO PRACTICES
• COMMERCIAL CROP PRODUCTION
• INNOVATIONS AND EMERGING TRENDS IN ACRICULTURE
• VISITS TO KASTURBA GRAM & MRSC, INDORE
Contact Persons
1. Dr. Kamla Shivani
2. Prof. Amiya Pahare
DR. SANJEEDA IQBAL
HOD, DEPARTMENT OF BOTANY
PATRON
DR. SURESH SILAWAT
PRINCIPAL
DURATION: 40 HOURS
(22.01.2020 TO 14.02.2020)

Value Added Course

60 Hours Training Program

On

"Advanced Agro Techniques for Entrepreneurship Development"

Organized by:

Department of Botany,

Govt. Holkar Science College, Indore

Dated: 22nd Jan. 2020 to 14th Feb. 2020

Patron: Dr. Suresh T. Silawat,

Additional Director, Indore-Division &

Principal,

Govt. Holkar Science College, Indore

Convenor: Dr. Sanjeeda Iqbal

Co – Convenor: Dr. Priti Chaturvedi

Department of Botany

Venue

Department of Botany,

Govt. Holkar Science, College,

Committee

Patron: Dr. Suresh T. Silawat, Additional Director,
Indore-Division & Principal,
Govt. Holkar Science College, Indore
Dr. Sanjeeda Iqbal (Prof., & Head, Dept. of Botany)

Organizing Secretaries: Dr. Kamla Shivani ,
Prof. Amiya Pahare

Committee Members:

Dr. Kislaya Pancholi

Dr. N.K. Jain

Dr. Smita Dubey

Dr. Uday Chitnis

Dr. Seemawati Sisodiya

Dr. Pramila Sadhav

Dr. Sandhya Parihar

Dr. Shagufta Khan

Value Added Course

60 Hours Training Program

On

"Advanced Agro Techniques for Entrepreneurship Development":

1.2 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Botany
Course Title: Advance Agro Techniques
Syllabus

Course Description:
This course is designed to provide students with the knowledge and skills to improve their agricultural practices and techniques. It will cover a range of topics related to modern agricultural techniques, including sustainable farming practices, commercial crop production, innovations in agriculture, and emerging trends in agro techniques. The course will consist of lectures, demonstrations, and hands-on activities to help students understand the practical aspects of these topics. By the end of the course, students will have the skills and knowledge needed to improve their farming practices and increase their yields.

Module 1: Introduction to Modern Agro Techniques;
- Ultra-High Density Mango Plantation
- E-Agriculture Services

Module 2: Sustainable Farming Practices;
- Organic Farming and Employment Generation
- Visit of Kasturba Gram Compost System

Module 3: Commercial Crop Production;
- Commercial Vegetable Production
- Sweet Orange Production
- Value Addition of Post-Harvest Crops

Module 4: Innovations in Agriculture;
- Invention in Micro Irrigation
- Qualitative Production of Ginger and Turmeric
- Bank Policies for Loan and Subsidies to Establish New Ventures
- Biofertilizers – Production and Marketing
- Biopesticides – Production and Utilization
- Schemes of Loan Facilities by MSME – Govt. of India

Module 5: Emerging Trends in Agro Techniques;
- Hydroponics and Its Commercialization
- Soil-less Cultivation on a Commercial Scale
- Vertical Farming and Its Uses
- Compost Management – Vermiculture and Vermicompost
- Tissue Culture and Commercial Production
- Tour and Visit of MRSC, Indore

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

1.3 Schedule: -

Government Holkar (Model Autonomous) Science College, Indore
Department of Botany
Value Added Course on Advanced Agro Techniques for Entrepreneurship Development

Value added courses are the types of courses which help a particular individual to develop their skills in their chosen field of the study. The Value-Added Courses aim to provide additional learner centric graded skill oriented technical training, with the primary objective of improving the employability skills of students. It is important for all institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. For example, one of the speakers suggested that "Agrobacterium as an agricultural tool" may be defined as the sum of the activities performed for pesticide resistant plants.

Eligibility: As per course requirement: 10+2/Graduation

Prerequisites: As per course requirement: Basic knowledge of Botany, Seed Tech, Horticulture, Agriculture.

Course Duration information: 60 hrs

Activity and plan of the program

Date: 22nd Jan. 2020 to 14th Feb. 2020

S. No.	Name of Prof. Incharge	Date	Guest Speaker	Topics
1	Dr. Kamla Shiwani Dr. Uday Chitnis Dr. Sandhya Parihar Prof. Shagufta Khan	22-01-2020	Mr. Murli Iyer (Agronomist)	Ultra-High Density Mango Plantation
2	Dr. Pramila Sadhav Dr. Navin Kumar Jain Dr. Sandhya Parihar Prof. Shagufta Khan	23-01-2020	Mayank Patel Samadhan Agro InfoTech	e-Agriculture Services
3	Dr. Smita Dubey Dr. Navin Kumar Jain Dr. Sandhya Parihar	24-01-2020	Ms. Vaishali Malviya and Shri Rahul Malviya	Organic Farming and Employment Generation

	Prof. Shagufta Khan			
4	Dr. Navin Kumar Jain Dr. Preeti Chatuvedi Dr. Uday Chitnis Dr. Amiya Pahare	25-01-2020	Dr. D.K. Mishra Senior Scientist KVK, Indore	Visit of Kasturba Gram Compost System
5	Dr. Kamla Shivani Dr. Pramila Sadhav Dr. Sandhya Parihar Prof. Shagufta Khan	27-01-2020	Mr. Murli Iyer (Agronomist)	Commercial Vegetable production
6	Dr. Uday Chitnis Dr. Pramila Sadhav Dr. Sandhya Parihar Prof. Shagufta Khan	28-01-2020	Mr. Murli Iyyer (Agronomist)	Sweet Orange Production
7	Dr. Kamla Shivani Dr. Pramila Sadhav Dr. Sandhya Parihar Prof. Shagufta Khan	29-01-2020	Dr. Swati Barche Prof. Agriculture College, Indore	Value Addition of Post-Harvest Crops
8	Dr. Preeti Chaturvedi Dr. Navin Kumar Jain Dr. Sandhya Parihar Prof. Shagufta Khan	30-01-2020	Mr. Murli Iyer (Agronomist)	Invention in micro irrigation
9	Dr. Preeti Chaturvedi Dr. Navin Kumar Jain Dr. Sandhya Parihar Prof. Shagufta Khan	31-01-2020	Mr. Murli Iyer (Agronomist)	Qualitative production of Ginger and Termaric
10	Dr. Smita Dubey Dr. Preeti Chaturvedi Dr. Uday Chitnis Dr. Sandhya Parihar	01-02-2020	Mr. Uday Pandey Manager SBI	Bank Policies for loan and Subsidies to Establish new Ventures
11	Dr. Seemavati Sisodiya Dr. Kamla Shivani Dr. Sandhya Parihar	03-02-2020	Mr. Nitesh Patidar	Bio fertilizers – Production and Marketing

	Prof. Shagufta Khan			
12	Dr. Seemavati Sisodiya Dr. Uday Chitnis Dr. Sandhya Parihar Prof. Shagufta Khan	04-02-2020	Mr. Nitesh Patidar	Bio pesticides – Production and Utilization
13	Dr. Seemavati Sisodiya Dr. Pramila Sadhav Dr. Sandhya Parihar Prof. Shagufta Khan	05-02-2020	Mr. Nilesh Trivedi	Shemes of loan facilities by MSME – Govt. of India
14	Dr. Navin Kumar Jain Dr. Pramila Sadhav Dr. Sandhya Parihar Prof. Shagufta Khan	06-02-2020	Mr. Nilesh Trivedi	Shemes of loan facilities by MSME – Govt. of India
15	Dr. Navin Kumar Jain Dr. Smita Dubey Dr. Sandhya Parihar Prof. Shagufta Khan	07-02-2020	Mr. Tejram Nagar (Agronomist) Dehradun	Hydroponics- its Commercialization
16	Dr. Navin Kumar Jain Dr. Smita Dubey Dr. Sandhya Parihar Prof. Shagufta Khan	08-02-2020	Mr. Tejram Nagar (Agronomist) Dehradun	Soil Less Cultivation on Commercial Scale
17	Dr. Amiya Pahare Dr. Uday Chitnis Dr. Sandhya Parihar Prof. Shagufta Khan	10-02-2020	Mr. Tejram Nagar (Agronomist) Dehradun (Utrakhand)	Vertical Farming and its uses
18	Dr. Navin Kumar Jain Dr. Uday Chitnis Dr. Sandhya Parihar Prof. Shagufta Khan	11-02-2020	Mr. Tejram Nagar (Agronomist) Dehradun (Utrakhand)	Compost Management – Vermi Culture and Vermi Compost
19	Dr. Amiya Pahare Dr. Uday Chitnis Dr. Sandhya Parihar	12-02-2020	Dr. Monika Jain (MRSC, Indore)	Tissue Culture and Commercial Production

	Prof. Shagufta Khan			
20	Dr. Preeti Chaturvedi Dr. Uday Chitnis Dr. Sandhya Parihar Prof. Shagufta Khan	13-02-2020	Dr. Monika Jain (MRSC, Indore)	Tissue Culture and Commercial Production
21	Dr. Preeti Chaturvedi Dr. Navin Kumar Jain Dr. Sandhya Parihar Prof. Shagufta Khan	14-02-2020	Dr. Monika Jain (MRSC, Indore)	Tour and Visit of MRSC, Indore

1.4 Students List: -

Govt. Holkar (Model, Autonomous) Science College, Indore (M.P.)

Value added Course

(Duration-22nd Jan. 2020 to 14th Feb. 2020)

"Advanced Agro Techniques for Entrepreneurship Development":

S. No.	Name of Students
1	ATUL AGRAWAL
2	DIKSHA THAKUR
3	MANISHA BAGHEL
4	PRIYA CHOUHAN
5	PRIYA LOTH
6	RAJTILAK TOMAR
7	RANU DOGAYA
8	SAMEERA MANSURI
9	SAPNA KHANNA
10	RIDIMA PATIDAR
11	SHALINI THAKUR
12	SIMRAN MARATHA
13	ALKA PANNA
14	ANJALI YADAV
15	BINGLAL
16	DIPIKA
17	GARIMA SINGH
18	PRATIBHA PATIDAR
19	RISHITA TRIPATHI
20	SANDHYA
21	PRACHI
22	PRAGATI TEMRE
23	RAGINEE AHIRWAL
24	SAVITA BARDE
25	SHIVAM
26	SHREYA JAT
27	SUSHAMA BARFA
28	VAISHALI VERMA

1.5 Course Completion Certificate: -

(1)

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for completion of Value-added certificate course in the session 2019-2020.

Respected Sir,

A value-added certificate course on ***"Advanced Agro Techniques for Entrepreneurship Development"*** was organized by Department of Botany successfully in the session 2019-2020. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Kindly find enclosed: List of Students

Course Coordinator
Department of Botany
वनस्पति शास्त्र विभाग
शा. होलकर विज्ञान महा. इन्दौर

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

2.

Health and Nutrition

2.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

3 Weeks (60 Hrs) Duration Certificate Course in

Health and Nutrition

Organized by Depatment of Biochemistry

Duration: 16-09-2019 to 12-10-2019

Eligibility:
12th Class pass

Assessment Mode: 03 Hours Written Examination

For any query: Contact Dr. Tasneem Rangwala

DR. ANGOORBALA BAFNA
HOD. DEPARTMENT OF BOTANY

DR. SURESH T. SILAWAT
PRINCIPAL

2.2 Permission: -

जीवरसायन विभाग, शासकीय होलकर विज्ञान महाविद्यालय, इन्दौर (म.प्र.)

प्रति,
श्रीमान प्राचार्य,
शा. होलकर विज्ञान महाविद्यालय,
इन्दौर (म.प्र.)

विषय :– जीवरसायन विषय के अन्तर्गत स्वास्थ्य एवं आहार पर तीन सप्ताह के सर्टिफिकेट कोर्स का प्रस्ताव।

महोदय,

उपरोक्त विषयान्तर्गत विभाग द्वारा स्वास्थ्य एवं आहार पर तीन सप्ताह का सर्टिफिकेट कोर्स आयोजित करने का प्रस्ताव है। इस संबंध मे विवरण निम्नानुसार है–

1-	सर्टिफिकेट कोर्स का नाम	Certificate course on Health and Nutrition
2.	अवधि	तीन सप्ताह
3.	प्रस्तावित तिथि	16/09/19 से 12/10/19
4.	शुल्क	रुपये 200 प्रत्येक प्रतिभागी
5-	अर्हता	12th
6.	परीक्षा	सर्टिफिकेट कोर्स हेतु (3 घंटे की लिखित परीक्षा आयोजित की जावेगी)
7.	विषय पाठ्यक्रम	संलग्न है
8.	सर्टिफिकेट कोर्स हेतु कुल व्यय	10000/–
	स्टेशनरी	1000/–
	प्रिंटिंग एवं फोटोकापी	3000/–
	विषय विशेषज्ञों का मानदेय	5200/– (@ रूपये 650/–प्रति व्याख्यान)
	विविध व्यय	800/–
9.	संभावित आवक	5000/– (फीस द्वारा)
10.	स्वामी विवेकानंद करियर प्रकोष्ठ से व्यय	5000/–

उपरोक्तानुसार इस सर्टिफिकेट कोर्स को आयोजित करने की अनुमति प्रदान करने का कष्ट करें।

HOD Biochem

विभागाध्यक्ष
जीवरसायन विभाग
शा. होलकर विज्ञान महाविद्यालय,
इन्दौर(म.प्र.)

Duration of Course:- Three week
Eligibility:- 12th
Fees of certificate course- 200/-
Resource persons:- Experienced Professors, physiotherapist, dietician, dentist and faculty members of Biochemistry.
Examination – 3 hours written test of 100 (70 marks, 30 marks Viva) marks based on prescribed syllabus will be conducted by the examination department of Govt. Holkar Science College,Indore. Minimum passing marks will be 40%. Certificate will be awarded to the qualifying candidates by the Head of the Institution .There is no provision for revaluation and answer book showing.

Expenditure- 1. Stationary Rs. 1000/-
2. Printing and Photocopy of literature- Rs. 3000/-
3. Honorarium of Subject experts- 5200/- @Rs 650/- per Lecture)
4. Miscellaneous expenditure Rs. 800/-

Total Expenditure- Rs. 10,000/-

Expected Income from fees- Rs. 5000/-
Remaining amount Rs. 5000/- will meet out from Swami Vivekanand Career Guidance Cell.

Head
Department of Biochemistry

2.3 Syllabus: -

Department of Biochemistry

Certificate Course

Health and Nutrition

Syllabus (2019-20) **Duration 60 Hrs**

Unit 1

Nutrition and dietary habits: Definition and Introduction of food and nutrition.

Nutritional aspect of protein- Sources, requirement and functions

Nutritional aspect of the lipid- Sources, requirement and functions, Essential fatty acid.

Nutritional aspect of the carbohydrate- available and unavailable carbohydrates, Role of dietary fibres.

Unit 2

Basic food groups: energy giving foods, body building foods and protective food.

Balanced diet: Composition of balanced diet, Vegetarian and non-vegetarian diets. Combination of food for balanced diet.

Vitamins- Dietary, sources, biochemical importance and specific vitamin deficiency diseases.

Unit 3

Immunity enhancer food: Vitamin A, Vitamin C, Iodine, Protein, Calcium containing food. Healthy versus junk food.

Role of diet in management of- Obesity, Diabetes, Heart diseases.

Role of intermittent fasting in management of diseases

Dr. A.Bafna	Prof. A. R. Batham
Dr. Purnima Dey Sarkar	Prof. Tasneem Rangwala
Prof. R.S. Gupta	Prof. Deepak Choudhary
Prof. R.S. Maheshwari	Dr. Bhavna Sharma
Mr. Rohan Gupta	Rajshree Kabra

Department of Biochemistry
Certificate Course
Health and Nutrition
Syllabus (2019-20) Duration 60 Hrs

Unit 4

Nutritive and calorific value of foods: Basic concept of energy expenditure, units of energy.

Energy expenditure: BMR and its measurement, factors affecting BMR.

Unit 5

Food processing and loss nutrients during processing and cooking. Naturally occuring anti-nutrients. Food Adulteration, Food preservation methods, Food borne infections.

Dr. A.Bafna	Prof. A. R. Batham
Dr. Purnima Dey Sarkar	Prof. Tasneem Rangwala
Prof. R.S. Gupta	Prof. Deepak Choudhary
Prof. R.S. Maheshwari	Dr. Bhavna Sharma
Mr. Rohan Gupta	Rajshree Kabra

Department of Biochemistry

Certificate Course

Health and Nutrition

Syllabus (2019-20) **Duration 60 Hrs**

PRACTICAL-

1) Measurement of BMI.

2) Measurement of blood pressure.

3) Test for detection of adultrant in different foods.

4) Estimation of sugar in urine.

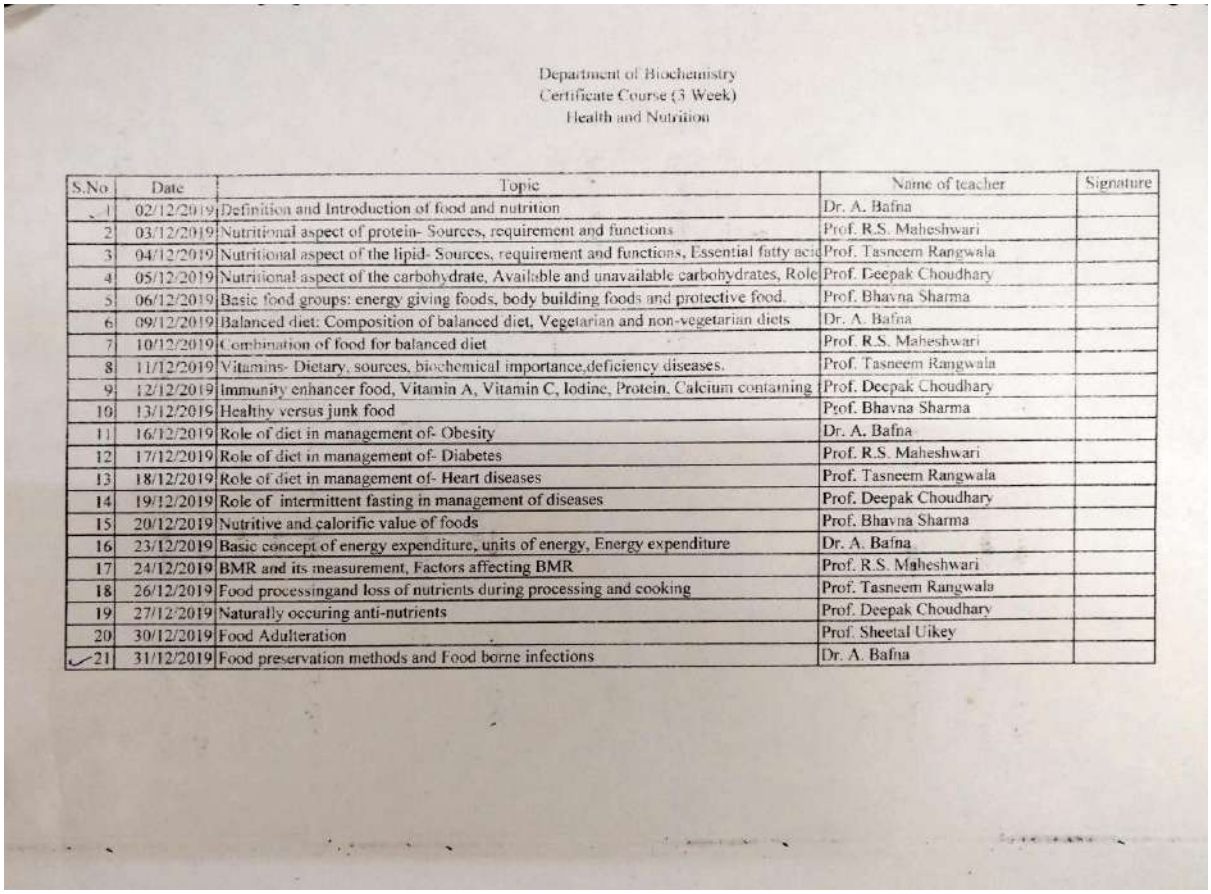
5) Estimation of haemoglobin.

6) Qualitative test for detection of pathogen in food and water.

7) Visit to Hospital: Pathology Lab and Dietician.

Dr. A.Bafna	Prof. A. R. Batham
Dr. Purnima Dey Sarkar	Prof. Tasneem Rangwala
Prof. R.S. Gupta	Prof. Deepak Choudhary
Prof. R.S. Maheshwari	Dr. Bhavna Sharma
Mr. Rohan Gupta	Rajshree Kabra

2.4 Schedule: -



Department of Biochemistry
Certificate Course (3 Week)
Health and Nutrition

S.No	Date	Topic	Name of teacher	Signature
1	02/12/2019	Definition and Introduction of food and nutrition	Dr. A. Bafna	
2	03/12/2019	Nutritional aspect of protein- Sources, requirement and functions	Prof. R.S. Maheshwari	
3	04/12/2019	Nutritional aspect of the lipid- Sources, requirement and functions, Essential fatty acid	Prof. Tasneem Rangwala	
4	05/12/2019	Nutritional aspect of the carbohydrate, Available and unavailable carbohydrates, Role	Prof. Deepak Choudhary	
5	06/12/2019	Basic food groups: energy giving foods, body building foods and protective food.	Prof. Bhavna Sharma	
6	09/12/2019	Balanced diet: Composition of balanced diet, Vegetarian and non-vegetarian diets	Dr. A. Bafna	
7	10/12/2019	Combination of food for balanced diet	Prof. R.S. Maheshwari	
8	11/12/2019	Vitamins- Dietary, sources, biochemical importance,deficiency diseases.	Prof. Tasneem Rangwala	
9	12/12/2019	Immunity enhancer food, Vitamin A, Vitamin C, Iodine, Protein, Calcium containing	Prof. Deepak Choudhary	
10	13/12/2019	Healthy versus junk food	Prof. Bhavna Sharma	
11	16/12/2019	Role of diet in management of- Obesity	Dr. A. Bafna	
12	17/12/2019	Role of diet in management of- Diabetes	Prof. R.S. Maheshwari	
13	18/12/2019	Role of diet in management of- Heart diseases	Prof. Tasneem Rangwala	
14	19/12/2019	Role of intermittent fasting in management of diseases	Prof. Deepak Choudhary	
15	20/12/2019	Nutritive and calorific value of foods	Prof. Bhavna Sharma	
16	23/12/2019	Basic concept of energy expenditure, units of energy, Energy expenditure	Dr. A. Bafna	
17	24/12/2019	BMR and its measurement, Factors affecting BMR	Prof. R.S. Maheshwari	
18	26/12/2019	Food processingand loss of nutrients during processing and cooking	Prof. Tasneem Rangwala	
19	27/12/2019	Naturally occuring anti-nutrients	Prof. Deepak Choudhary	
20	30/12/2019	Food Adulteration	Prof. Sheetal Uikey	
21	31/12/2019	Food preservation methods and Food borne infections	Dr. A. Bafna	

2.5 Students List: -

CERTIFICATE COURSE ON HEALTH AND NUTRITION (2019-20)

EXAMINATION ATTENDANCE SHEET

Date:- 20/02/2020

S.No.	Roll No.	Name of Student's	Class/Section	Signature
1	CHN01	Abhilasha Shrivastava	M.Sc. II Sem (Biochemistry)	
2	CHN02	Aditya Singh Bhadoriya	M.Sc. IV Sem (Biochemistry)	
3	CHN03	Aishwarya Jat	M.Sc. IV Sem (Biochemistry)	
4	CHN04	Amey Vaijapurkar	B.Sc. I year B-7	
5	CHN05	Amrita P. Nair	B.Sc. I year B-7	
6	CHN06	Anamika Namdeo	M.Sc. II Sem (Biochemistry)	
7	CHN07	Anjali Badle	B.Sc. III year B-7	
8	CHN08	Aradhana Singh	M.Sc. IV Sem (Forensic)	
9	CHN09	Ayushi Gupta	M.Sc. IV Sem (Biochemistry)	
10	CHN10	Divya Wasure	B.Sc. I year B-7	
11	CHN11	Harshit Sharma	B.Sc. I year B-7	
12	CHN12	Huma Siddque	B.Sc. I year B-7	
13	CHN13	Jagrati Waskel	M.Sc. IV Sem (Biochemistry)	
14	CHN14	Kajal Gupta	M.Sc. IV Sem (Forensic)	
15	CHN15	Lali Soni	B.Sc. I year B-7	
16	CHN16	Mayuri Paradh	M.Sc. II Sem (Biochemistry)	
17	CHN17	Mehak Malviya	M.Sc. IV Sem (Forensic)	
18	CHN18	Mohit Verma	B.Sc. II Year B-7	
19	CHN19	Nameera Fatema Khan	B.Sc. III year B-7	
20	CHN20	Noorjhan Malik	B.Sc. I Year/B-7	
21	CHN21	Pooja Chatterjee	M.Sc. IV Sem (Biochemistry)	
22	CHN22	Preeti Bhagat	B.Sc. I year B-7	
23	CHN23	Priya Das	B.Sc. I year B-7	
24	CHN24	Priyanka Verma	M.Sc. IV Sem (Biochemistry)	
25	CHN25	Raksha Mourya	M.Sc. IV Sem (Biochemistry)	
26	CHN26	Ranjeet Chouhan	B.Sc. I year B-7	
27	CHN27	Sachin Solanki	B.Sc. I year B-7	

28	CHN28	Sakshi Kaushik	M.Sc. II Sem (Biochemistry)	
29	CHN29	Shivani Jeenwal	B.Sc. I year B-7	
30	CHN30	Shivani Patidar	M.Sc. II Sem (Biochemistry)	
31	CHN31	Shruti Sinnarkar	M.Sc. II Sem (Biochemistry)	
32	CHN32	Sohan Malakar	B.Sc. I year B-7	
33	CHN33	Somya Mishra	B.Sc. I year B-7	
34	CHN34	Sonali Rathore	M.Sc. II Sem (Biochemistry)	
35	CHN35	Vijay Pal Singh	M.Sc. II Sem (Biochemistry)	
36	CHN36	Viren Dodwa	M.Sc. IV Sem (Biochemistry)	
37	CHN37	Vishakha Jain	B.Sc. I Year/B-7	
38	CHN38	Vishakha Yadav	M.Sc. II Sem (Biochemistry)	

2.6 Course Completion Certificate: -: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for completion of Value-added certificate course in the session 2019-2020.

Respected Sir,

A value-added certificate course on ***"Health and Nutrition"*** was organized by Department of Biochemistry & Swami Vivekananda Career Guidance Cell successfully in the session 2019-2020. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Kindly find enclosed: List of Students

Course Coordinator
SVCG Cell

Course Coordinator
Department of Biochemistry
HEAD
Department of Biochemistr.
Holkar Science College, Indor

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

3.

Instrumentation Techniques

3.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

30 Hours Duration Value-added Certificate Course in

Instrumentation Techniques

Organized by Depatment of Chemistry

Duration: 06-01-2020 to 17-01-2020

Focal Theme: Skill Enhancement

Eligibility: For Postgraduate Students

Assessment Mode: Assignments & MCQ Based Test

For any query: Contact Dr. Namrata Pathak & Dr. Namita Bende

DR. ANAMIKA JAIN
HOD. DEPARTMENT OF CHEMISTRY

DR. SURESH T. SILAWAT
PRINCIPAL

3.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF CHEMISTRY

NOTICE

Department of Chemistry is conducting the following workshop / value-Added Certificate course in

Instrumentation Techniques

The classes shall be conducted by the faculty of the Department of Chemistry, Government Holkar (Model Autonomous) Science College, Indore.

Duration: 30 Hrs.

Date: 06-01-2020 to 17-01-2020

Time: 2.00 PM to 5.00 PM

Strength: 50

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College INDORE

3.3 Syllabus: -

Approved

Govt. Holkar (Model Autonomous) Science College, Indore

Department of Chemistry

Session: 2019-20

Syllabus for Value Added Course in Instrumentation Techniques

Module 1: UV-Visible Spectrophotometry: -

- Principles of UV-Visible Spectroscopy
- Absorption and Transmittance
- Beer-Lambert Law and its applications
- Instrumentation and components
- Sample preparation and handling
- Quantitative analysis using UV-Vis spectroscopy
- Application in pharmaceutical and clinical studies

Module 2: X-ray Diffraction (XRD):-

- Introduction to crystallography
- Bragg's Law and XRD principles
- X-ray sources and detectors
- Sample preparation techniques
- Identification and characterization of crystalline materials
- Qualitative and quantitative analysis using XRD
- Applications in material science and pharmaceutical research

Module 3: High-Performance Liquid Chromatography (HPLC):-

- Basics of chromatography
- HPLC principles and instrumentation
- Types of HPLC columns and detectors
- Mobile phase selection and optimization
- Analyte separation and quantification
- HPLC method development
- Applications in pharmaceutical analysis and clinical diagnostics

Module 4: Atomic Absorption Spectrophotometry: -

- Atomic Absorption (AA) spectroscopy principles
- Atomic absorption vs. atomic emission spectroscopy
- Hollow cathode lamps and light sources
- Flame and graphite furnace AA techniques
- Sample preparation and matrix effects
- Quantitative analysis using AA spectroscopy
- Applications in environmental analysis and trace metal detection

Module 5: Fourier Transform Infrared (FTIR) Spectroscopy and Colorimetric Measurements: -

- Introduction to FTIR spectroscopy
- FTIR instrumentation and data interpretation
- Applications in chemical identification and structure elucidation
- Colorimetric principles and applications
- Colorimetric analysis of chemical and biological samples
- Clinical applications of FTIR and colorimetric measurements

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College, INDORE

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

3.4 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Chemistry
Session: 2019-20
Students List for Workshop / Value Added Course in Instrumentation Techniques

S. NO.	Subject	Students Name
1	Chemistry	Aashul Mehta
2	Chemistry	Amit Romde
4	Chemistry	Anupam Gupta
5	Chemistry	Anvee Mishra
6	Chemistry	Asha Patidar
7	Chemistry	Ayushi Shivhare
8	Chemistry	Bhavika Kate
9	Chemistry	Chandrakanta Dawre
10	Chemistry	Deepak Bairagi
11	Chemistry	Dorish Singh
12	Chemistry	Jagruti Gupta
13	Chemistry	Jhanvi Bhalse
14	Chemistry	Kusum Muvel
15	Chemistry	Mandavi Soni
16	Chemistry	Manish Yadav
17	Chemistry	Nayani Samaiya
18	Chemistry	Neelesh Patel
19	Chemistry	Nikita Patidar
20	Chemistry	Nupur Hirvey
21	Chemistry	Pragya Dudwe
22	Chemistry	Pranjali Singh Chandel
23	Chemistry	Preeti Verma
24	Chemistry	Priya Thakur
25	Chemistry	Priyanka Varma

26	Chemistry	Priyanshi Borliya
27	Chemistry	Sabiha Parveen Sayyed
28	Chemistry	Sevaram Kirad
29	Chemistry	Shirin Wahab
30	Chemistry	Shivani Dalal
31	Chemistry	Sonali Chopra
32	Chemistry	Tanushri Pawar
33	Chemistry	Upasana Gupta
34	Pharmachemistry	Akanksha Shrivastava
35	Pharmachemistry	Aniket Verma
36	Pharmachemistry	Asmita Sharma
37	Pharmachemistry	Durgesh Bhalot
38	Pharmachemistry	Gaurav Patil
39	Pharmachemistry	Lalit Thakur
40	Pharmachemistry	Nidhi Sharma
41	Pharmachemistry	Ritu Pal
42	Pharmachemistry	Sapna Patidar
43	Pharmachemistry	Shalini Maheshwari
44	Pharmachemistry	Shivani Bhavsar
45	Pharmachemistry	Shubham Dubey
46	Pharmachemistry	Tanushree Agrahari
47	Pharmachemistry	Digambar Indorkar

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College INDORE

3.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for completion of Value-added certificate course in the session 2019-2020.

Respected Sir,

A value-added certificate course on ***"Instrumentation Techniques"*** was organized by Department of Chemistry & Department of Pharmaceutical Chemistry successfully in the session 2019-2020. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Kindly find enclosed: List of Students

S/d

Course Coordinator
Department of Chemistry

Verified by IQAC

4.

Basic Programming with Python

4.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

(ACCREDITED GRADE "A" BY NAAC)

Ninety Hours Duration Value-added Certificate Course (Accredited Grade "A" by NAAC) in

Basic Programming with Python

Organized by Depatment of Physics

Duration: 15-01-2020 to 19-02-2020

Focal Theme:
Skill Enhancement
&
employability

Eligibility:
For Undergraduate
&
Postgraduate Students

Assessment Mode: Assignments & MCQ Based Test

For any query:
Contact Dr. Nagesh Dagaonkar & Dr. Netram Kaurav

DR. GD GUPTA
HOD. DEPARTMENT OF PHYSICS

DR. SURESH T. SILAWAT
PRINCIPAL

4.2 Permission: -

इलेक्ट्रॉनिक्स विभाग, शासकीय (स्वाशासीय) होलकर विज्ञान माहविद्यालय, इन्दौर (म0प्र0)

क्रमांक.....

इन्दौर, दिनाक 10/01/2020

प्रति,

प्राचार्य,

शासकीय होलकर विज्ञान महाविद्यालय,

इन्दौर (म0प्र0)

विषय : इलेक्ट्रॉनिक्स विभाग द्वारा सर्टिफिकेशन कोर्स करने बावत् प्रस्ताव।

महोदय,

इलेक्ट्रॉनिक्स विभाग द्वारा Basic Programming with Python विषय पर 90:00 घंटे के सर्टिफिकेट कोर्स आयोजित करने का प्रस्ताव निम्नानुसार प्रस्तुत है –

1. कोर्स का नाम – Certification Course on Basic Programming with Python
2. अवधि – 90:00 घंटे
3. कोर्स प्रारंभ करने की तिथि – 15 जनवरी 2020 से 19 फरवरी 2020
4. कोर्स के विषय पाठ्यक्रम – इलेक्ट्रॉनिक्स विषय के अध्ययन मण्डल (बोर्ड ऑफ स्टडी) द्वारा सर्टिफिकेट कोर्स हेतु अनुमोदित पाठ्यक्रम (सलंग्न)
5. रिर्सास पर्सन (विषय विशेषज्ञों की जानकारी) इन्दौर शहर में कार्यरत कंम्पनी के इंजीनियरों को आमंत्रीत किया जाऐगा।
6. विषय विशेषज्ञों को मानदेय रू 500 प्रति व्याखान के दर से देय होगा। स्थानीय विशषज्ञों को 100 रू वाहन भत्ता प्रदान किया जावेगा। इन्दौर से बाहर के विशषज्ञो को एसी थर्ड श्रेणी का किराया एवं मध्यप्रदेश शासन के नियमानुसार डीए देय होगा।
7. कोर्स के लिए अर्हता – किसी भी विषय मे बी.एस.सी उत्तीर्ण या अध्ययनरत विद्यार्थी इस कोर्स के लिए अर्ह है।
8. कोर्स फीस – रू 1200/– प्रति अभ्यर्थी
9. संभावित प्रतिभागियों की संख्या – 30
10. फीस द्वारा प्राप्त होने वाली संभावित आय – रू 36,000/–
11. महाविद्यालय से प्राप्त – नहीं

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12. कुल संभावित आय रू – 36,000/–

13. कुल आय रू – 36,000/–

14. विषय विशेषयों के मानदेय, वाहन भत्ता/टीए एवं डीए, लॉजिंग बोर्डिंग आदि पर संभावित कुल व्यय रू – 33,000/–

15. परीक्षा शुल्क – परीक्षा विभाग द्वारा निर्धारित किया जावेगा।

16. स्टेशनरी, कम्प्यूटर स्टेशनरी, फोटो कॉपी एवं अन्य स्टेशनरी आदि पर व्यय–1200/–

17. अन्य विविध व्यय एवं आकस्मिक व्यय – 1800/–

18. कुल संभावित व्यय रू. – 36,000/–

इस सर्टिफेकेट कोर्स के लिए नियमित कक्षाएँ प्रतिदिन दोपहर 2:30 से 5:30 तक इलेक्ट्रॉनिक्स विभाग में आयोजित की जावेंगी। इस कोर्स के लिए परीक्षा विभाग द्वारा परीक्षा आयोजित की जावेगी जिसके अन्तर्गत सैद्धांतिक एवं प्रयोगिक परीक्षा आयोजन होगा। सफल अभ्यार्थियों को सर्टिफेकेट प्रदान किए जावेगे।

कृप्या इस कोर्स को आयोजित करने हेतु अनुमति विभाग को प्रदान करने का कष्ट करें।

डॉ. नेतराम कौरव
विभागाध्यक्ष
इलेक्ट्रॉनिक्स विभाग
गो. हॉलकर विज्ञान महाविद्यालय
इन्दौर

संलग्नः–

अध्ययन मण्डल के सदस्यों द्वारा अनुमोदित पाठ्यक्रम की प्रतिलिपी।

Yes
10/01/2020

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4.3 Syllabus: -

Short term Course on
Basic Programming with Python

Class	Subject	CCE	Min. Marks	Term End Exam	Min Marks	Total	Min. Marks
Short Term Course	Basic Programming with Python	10	4	40	14	50	17
	Practical					50	17

UNIT – I: **8 Hrs**

Introduction: History of Python, Need of Python Programming. Python and PyCharm Installation, Running Python Scripts, Variables, Assignment, Keywords, Input-Output. Data Structures Lists– Operations, Slicing, Methods; Tuples, Sets. Dictionaries, Sequences.

UNIT – II: **8 Hrs**

Types, Operators, and Expressions: Types – Integers, Strings, Booleans; Operators- Arithmetic Operators, Comparison (Relational) Operators, Assignment Operators, Logical Operators, Bitwise Operators, Membership Operators, Identity Operators, Expressions and order of evaluations Control Flow- if, if-elif-else, for, while, break, continue, pass.

UNIT – III: **9 Hrs**

Functions – Defining Functions, Calling Functions, Passing Arguments, Keyword Arguments, Default Arguments, Variable-length arguments, Anonymous Functions, Fruitful Functions (Function Returning Values), Scope of the Variables in a Function- Global and Local Variables, Recursion, decorators. **Modules:** Creating modules, import statements, from. The import statement, namespacing, Python packages, Introduction to PIP, Installing Packages via PIP, Using Python Packages.

UNIT – IV: **8 Hrs**

Built in Functions- Files- read, write, open, close, readline, readlines, writelines, seek, tell etc. Date and Time, audio related function, lambda, F-string and string formatting, enumerate, If __name__ == __main__ usage & necessity, join, map, filter, reduce. **Built in Modules** like Time, OS,.

UNIT – V: **7 Hrs**

Object-Oriented Programming OOP in Python: Classes, 'self-variable', Methods, Constructor Method, Inheritance, Overriding Methods, Data hiding, Overloading.

Miner Project

OUTCOMES:

- Making Software easily right out of the box.
- Experience with an interpreted Language.
- To build software for real needs.
- Prior Introduction to testing software

4.4 Students List: -

S.No	Student Name	Mobile No.	Challan No.	Fee	Signature
1	Amrita Shrivastava	9981352488	3085	1200/-	Amrita
2	Ankit Waskle	8839452512	760	1200/-	Ankit
3	Anshika Solanki	7869066543	3117	1200/-	Anshika
4	Anshuka Sharma	7987374573	3078	1200/-	Anshuka
5	Atul Pawar		3098	1200/-	Atul
6	Bhargendra Pandey	9109524653	767	1200/-	Bhargen
7	Govind Kumar	7389477079	3107	1200/-	Govind
8	Harshit Bhawsar	9407541209	3112	1200/-	
9	Koustubh Parsai	9584783799	753	1200/-	Koustubh
10	Lokesh Soni	8965982977	3113	1200/-	Lokesh
11	Mamta Sokhal	6261906945	3082	1200/-	Mamta
12	Manali Singne	6266923561	3083	1200/-	Manali
13	Manali Verma	9685086033	3116	1200/-	Manali
14	Meghanshu Kumrawat	6265149219	3099	1200/-	
15	Murad Khan	7987427965	757	1200/-	Murad
16	Muskan Kushwah	9754547222	3091	1200/-	Muskan
17	Nazma Ansari	9407298449	756	1200/-	Nazma
18	Puja Biswas	9171739003	3086	1200/-	Puja
19	Pradum Choudhary	9340076312	752	1200/-	Pradum
20	Prakhar Namdeo	6263321679	3134	1200/-	Prakhar
21	Rakesh Tiwari	7509570087	3092	1200/-	Rakesh
22	Rishita Bhutda	7869089669	3084	1200/-	Rishita
23	Ritik Soni	9713677761	3109	1200/-	
24	Ritika maluiya	7898928169	3093	1200/-	Ritika
25	Sahitya jain	8518071653	754	1200/-	Sahitya
26	Saket Gupta	8966978758	768	1200/-	Saket
27	Sakshi Rajput	9407260803	761	1200/-	Sakshi
28	Sandhya ginare	9981324820	758	1200/-	Sandhya
29	Shalini Gupta	9755494848	3110	1200/-	Gupta
30	Subham Rajput	9993843186	3106	1200/-	Subham
31	Simran Khan	9009586286	755	1200/-	Simran
32	Swati Sakma	9174888627	3105	1200/-	Swati

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S.No	Student Name	Mobile. No	Challan NO	Fee	
33	Tabassum Quadry	9998700565	~~120~~ 762	1200/-	Paid
34	Vishnujit Nager	8981728909	3097	1200/-	~~Not Paid~~ Paid
35	Yash Barodiya	9039467486	3080	1200/-	Paid
36	Yash Chouhan	7772865935	3079	1200/-	Paid
		Total		43,200/-	

Certificate Course on python programming Language

कुल विद्यार्थियों की संख्या = 36

प्रति विद्यार्थि Course शुल्क = 1200/-

Total Amount = 36 X 1200/- = 43,200/-

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4.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for completion of Value-added certificate course in the session 2019-2020.

Respected Sir,

A value-added certificate course on ***"Basic Programming with Python"*** was organized by Department of Electronics successfully in the session 2019-2020. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Kindly find enclosed: List of Students

Course Coordinator
Department of Electronics

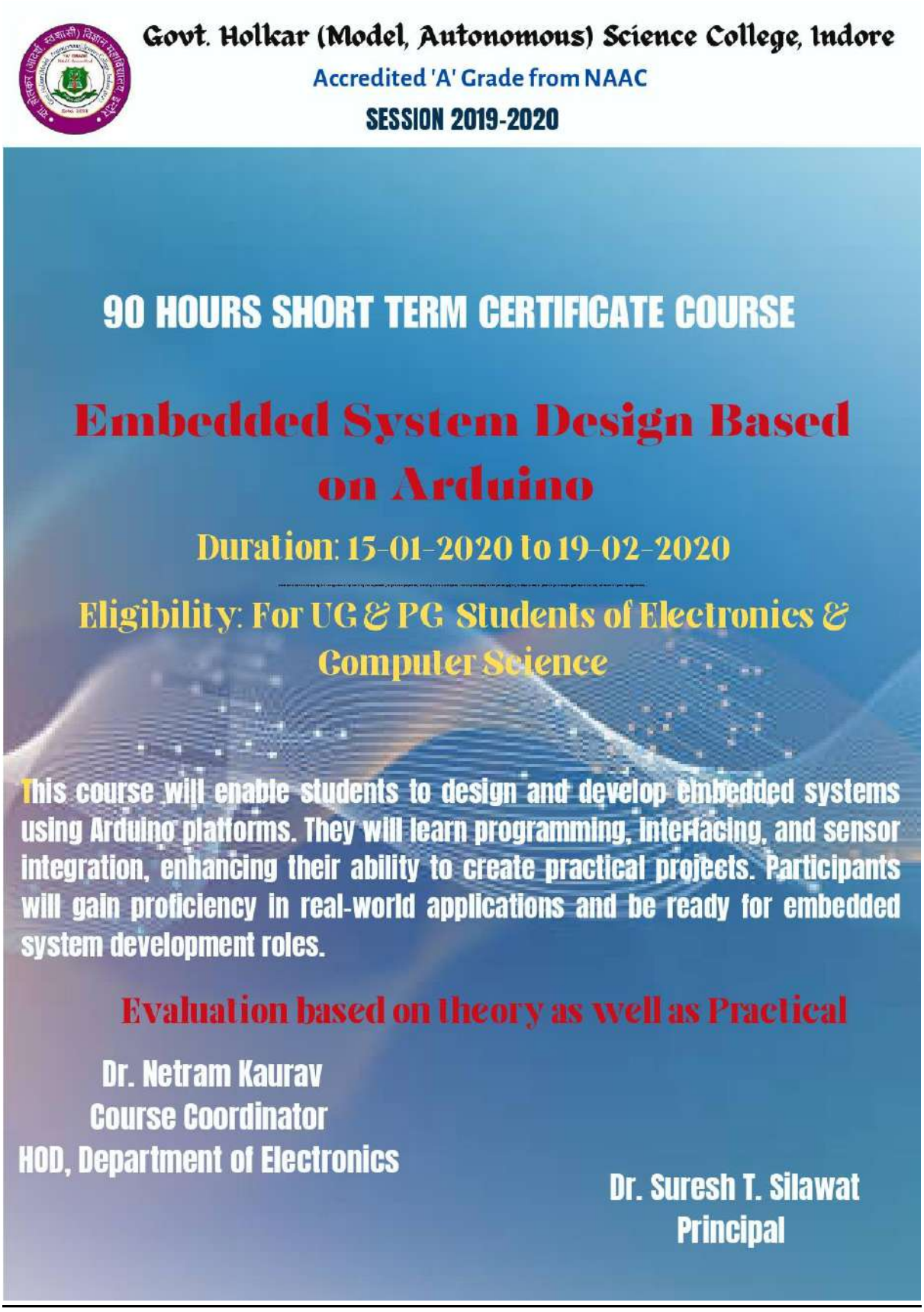
Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

5.

Embedded System Design Based on Arduino

5.1 Brochure: -


Govt. Holkar (Model, Autonomous) Science College, Indore
Accredited 'A' Grade from NAAC
SESSION 2019-2020
90 HOURS SHORT TERM CERTIFICATE COURSE
Embedded System Design Based on Arduino
Duration: 15-01-2020 to 19-02-2020
Eligibility: For UG & PG Students of Electronics & Computer Science
This course will enable students to design and develop embedded systems using Arduino platforms. They will learn programming, interfacing, and sensor integration, enhancing their ability to create practical projects. Participants will gain proficiency in real-world applications and be ready for embedded system development roles.
Evaluation based on theory as well as Practical
Dr. Netram Kaurav
Course Coordinator
HOD, Department of Electronics
Dr. Suresh T. Silawat
Principal

5.2 Permission: -

इलेक्ट्रॉनिक्स विभाग, शासकीय (स्वाशासीय) होलकर विज्ञान माहविद्यालय, इन्दौर (म0प्र0)

क्रमांक.....

प्राचार्य,

इन्दौर, दिनांक 10/01/2020

शासकीय होलकर विज्ञान महाविद्यालय,
इन्दौर (म0प्र0)

विषय : इलेक्ट्रॉनिक्स विभाग द्वारा सर्टिफिकेशन कोर्स करने बाबत् प्रस्ताव।

महोदय,

इलेक्ट्रॉनिक्स विभाग द्वारा Embedded System Design based on Arduino विषय पर 90:00 घंटे के सर्टिफिकेट कोर्स आयोजित करने का प्रस्ताव निम्नानुसार प्रस्तुत है –

1. कोर्स का नाम – Certification Course on Embedded System Design based on Arduino
2. अवधि – 90:00 घंटे
3. कोर्स प्रारंभ करने की तिथि – 15 जनवरी 2020 से 19 फरवरी 2020
4. कोर्स के विषय पाठ्यक्रम – इलेक्ट्रॉनिक्स विषय के अध्ययन मण्डल (बोर्ड ऑफ स्टडी) द्वारा सर्टिफिकेट कोर्स हेतु अनुमोदित पाठ्यक्रम (सलंग्न)
5. रिर्सास पर्सन (विषय विशेषज्ञों की जानकारी) इन्दौर शहर में Robotics के क्षेत्र में कार्यरत कंम्पनी के इंजीनियरों को आमंत्रीत किया जाऐगा।
6. विषय विशेषज्ञों को मानदेय रू 500 प्रति व्याखान के दर से देय होगा। स्थानीय विशेषज्ञों को 100 रू वाहन भत्ता प्रदान किया जावेगा। इन्दौर से बाहर के विशषज्ञों को एसी थर्ड श्रेणी का किराया एवं मध्यप्रदेश शासन के नियमानुसार डीए देय होगा।
7. कोर्स के लिए अर्हता – किसी भी विषय मे बी.एस.सी. (इलेक्ट्रॉनिक्स, कम्प्यूटर साईंस) उत्तीर्ण या अध्ययनरत विद्यार्थी इस कोर्स के लिए अर्ह है।
8. कोर्स फीस – रू 1200/– प्रति अभ्यर्थी
9. संभावित प्रतिभागियों की संख्या – 30
10. फीस द्वारा प्राप्त होने वाली संभावित आय – रू 36,000/–
11. महाविद्यालय से प्राप्त Seed money – नहीं

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12. कुल संभावित आय रू – 36,000/–

13. कुल आय रू – 36,000/–

14. विषय विशेषयों के मानदेय, वाहन भत्ता/टीए एवं डीए, लॉजिंग बोर्डिंग आदि पर संभावित कुल व्यय रू – 32,000/–

15. परीक्षा शुल्क – परीक्षा विभाग द्वारा निर्धारित किया जावेगा।

16. स्टेशनरी, कम्प्यूटर स्टेशनरी, फोटो कॉपी एवं अन्य स्टेशनरी आदि पर व्यय–1000/–

17. अन्य विविध व्यय एवं आकस्मिक व्यय – 3000/–

18. कुल संभावित व्यय रू. – 36,000/–

इस सर्टिफेकेट कोर्स के लिए नियमित कक्षाएँ प्रतिदिन प्रातः 9:00 से 12:00 तक इलेक्ट्रॉनिक्स विभाग में आयोजित की जावेंगी। इस कोर्स के लिए परीक्षा विभाग द्वारा परीक्षा आयोजित की जावेगी जिसके अन्तर्गत सैद्धांतिक एवं प्रयोगिक परीक्षा आयोजन होगा। सफल अभ्यार्थियों को सर्टिफेकेट प्रदान किए जावेगे।

कृप्या इस कोर्स को आयोजित करने हेतु अनुमति विभाग को प्रदान करने का कष्ट करें।

डॉ. नेतराम कौरव
विभागाध्यक्ष
इलेक्ट्रॉनिक्स विभाग
शा. होलकर विज्ञान महाविद्यालय
इन्दौर

संलग्नः–

अध्ययन मण्डल के सदस्यों द्वारा अनुमोदित पाठ्यक्रम की प्रतिलिपी।

Yes
10/01/2020

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5.3 Syllabus: -

Short term Course on
Embedded System Design based on Arduino

Class	Subject	CCE	Min. Marks	Term End Exam	Min Marks	Total	Min. Marks
Short Term Course	Embedded System Design based on Arduino	10	4	40	14	50	17
	Practical					50	17

Unit-I

Introduction 5 Hrs

Embedded system, components, advantages, application, Arduino and Its History, popularity, capabilities of arduino, real world applications

Introduction to Arduino IDE, Familiarizing with Arduino Development Board, Understanding Arduino Sketch, Compile and Upload sketches in Arduino

Unit-II

Arduino Programming Concepts 12 Hrs

Arduino data types, Variables and Constants, Operators, Control Statements If, If-else, nested if-else, Loop- while, for, break, continue, Functions, basic programming of arduino.

Unit III

Arduino Online Simulator 8 Hrs

Introduction of Arduino Online Simulator, Benefits of Online Simulator, operate Online Simulator, Integration and working of Online simulator with Arduino Development Board

Unit IV

Input Interfacing 8 Hrs

Sensors: InfraRed, UltraSonic, Thermistor (LM35), LDR, Clap, Switch.

Unit V

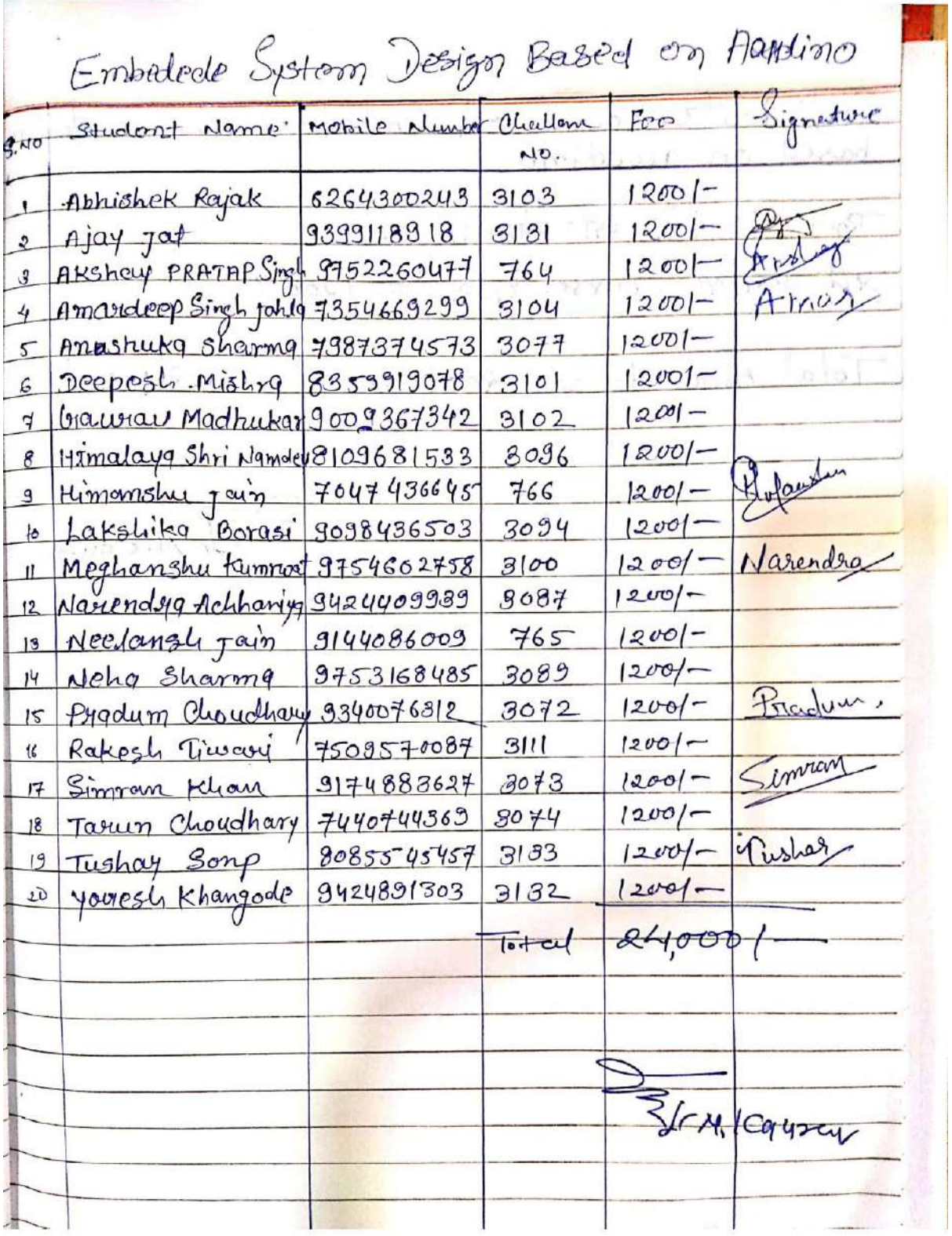
Output Interfacing 7 Hrs

LED, LCD, Relay, Moters- DC, Stepper, Bluetooth.

Note: Project

Session 2020-2021

5.4 Students List: -



Embedede System Design Based on Arduino

S.NO	Student Name	Mobile Number	Challan NO.	Fee	Signature
1	Abhishek Rajak	6264300243	3103	1200/-	
2	Ajay jat	9399118918	3131	1200/-	
3	AKshay PRATAP Singh	9752260477	764	1200/-	
4	Amardeep Singh jahla	7354669299	3104	1200/-	
5	Anushka Sharma	7987374573	3077	1200/-	
6	Deepesh .Mishra	8359919078	3101	1200/-	
7	Gaurav Madhukar	9009367342	3102	1200/-	
8	Himalaya Shri Namdev	8109681533	3096	1200/-	
9	Himanshu jain	7047436645	766	1200/-	
10	Lakshika Barasi	9098436503	3094	1200/-	
11	Meghanshu kumrot	9754602758	3100	1200/-	
12	Narendra Achhariya	9424409989	3087	1200/-	
13	Neelansh jain	9144086009	765	1200/-	
14	Neha Sharma	9753168485	3089	1200/-	
15	Pradum Choudhary	9340076812	3072	1200/-	
16	Rakesh Tiwari	7509570087	3111	1200/-	
17	Simran Khan	9174883627	3073	1200/-	
18	Tarun Choudhary	7440744369	3074	1200/-	
19	Tushar Sonp	8085545457	3133	1200/-	
20	yogesh Khangode	9424891303	3132	1200/-	
			Total	24,000/-	

Mr. M. Gaur

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5.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for completion of Value-added certificate course in the session 2019-2020.

Respected Sir,

A value-added certificate course on ***"Embedded System Design Based on Arduino"*** was organized by Department of Electronics successfully in the session 2019-2020. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Kindly find enclosed: List of Students

Course Coordinator
Department of Electronics

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

6.

Computer Hardware, Equipment Repairing & Fabrication

6.1 Brochure: -

Govt. Holkar (Model, Autonomous) Science College, Indore
Accredited 'A' Grade from NAAC
SESSION 2019-2020
36 HOURS SHORT TERM CERTIFICATE COURSE
Computer Hardware, Equipment Repairing & Fabrication
Duration: (36 Hours)
18-11-2019
to
16-12-2019
Eligibility: For UG & PG Students of Electronics & Computer Science
Learning Outcomes
Upon completing the course, participants will possess a strong understanding of computer hardware components, troubleshooting techniques, and equipment repair.
They will gain hands-on skills in diagnosing and fixing hardware issues, assembling systems, and fabricating equipment. Graduates will be prepared for roles in computer maintenance and fabrication.
Evaluation based on theory as well as Practical
Dr. Netram Kaurav
Course Coordinator
HOD, Department of Electronics
Dr. Suresh T. Silawat
Principal

6.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF ELECTRONICS

NOTICE

Department of Electronics is conducting the following workshop / value-Added Certificate course in

Computer Hardware, Equipment Repairing & Fabrication

The classes shall be conducted by the faculty of the Department of Electronics, Government Holkar (Model Autonomous) Science College, Indore.

Duration: 36 Hrs.

Date: 18 Nov. 2019 to 16 Dec. 2019

Time: 2.00 to 3.30 PM

Strength: 45

6.3 Syllabus: -

Approved

Govt. Holkar (Model Autonomous) Science College, Indore

Dept. of Electronics

Computer Hardware, Equipment's Repairing & Fabrication Training

Syllabus 2019-20

S.No.	LEARNING OUTCOMES	ASSESSMENT CRITERIA
1.	Perform all the functions with Electrical and Electronic Components related to Computer and Networking system following safety precautions. Assemble and repair Desktop Computers with all its hardware components.	Construct a simple circuit using AC/DC supply, lamp, fuse and switch. Measure circuit voltage and current using voltmeters and ammeters. Also check voltage between earth and neutral.Measure resistance using Multimeter. Practice of soldering and desoldering techniques, practice using hook-up wires. Soldering resistors on Tag board. Practice using surface mount board/ device. Construct a small circuit using digital electronic components.
2.	Assemble and repair of Desktop Computer with all its hardware components.	Open the cabinet and identify various motherboard components, connectors, slots, ports (USB, VGA, DVI, and HDMI), cables and Connectors. Identify Motherboard Components and connections. CPU (Processor) RAM (Memory) Hard Drive Connections Mechanical vs. Solid State Drives ROM Drives Graphic Cards, Sound Cards. Use Post Error Debug Card and understand error Code for fault troubleshooting. Verify components with the configuration of CMOS BIOS setup. Check DDR3 and DDR4 RAM's FSB. Insert it in the memory slot. Test and understand various beep sounds in case of trouble. Removing the Processor, Installing the Processor. Understand and identify various different processor sockets
3.	Install different Operating Systems and all other application software.	Boot the PC through a BOOTABLE DVD of OS. Partition the disk, Format the drive. Install Windows 7 and Windows 10 from DVD Disk. Make Win-7 AND Win-10 dual boot properly. Practice on recovery partition Install and boot Win-10 in UEFI mode. Collecting and installing specific/compatible Device drivers from the internet. Update the driver software from the internet. Uninstall and Rollback the driver. Go to Windows Update in the control panel. Check installed updates. Change/ update Setting. Install any popular antivirus software. Install various application software programs in windows. Install Firefox and chrome browser. Install Linux (Ubuntu, Fedora, Debian, Use diskpart command. Practice important Linux commands.

4.	Customize Operating System and maintenance of system application software.	Open Personalize Setting and find Desktop icon setting, Screen Resolution and various other setting. Open windows explorer and find different drives, files and folders, their size and other properties. Do it through command prompt also. Create and configure user accounts in Windows 7/8/10. Create Administrator and Limited user account. Make Changes to an Account. Reset Limited user account password through Administrative account. Configure outlook and connect with Gmail, use thunderbird IMAP/POP3 along with security features. Configuration of Browsers.
5.	Assemble and repair Laptop and its hardware Components.	Assemble and disassemble a Laptop. Upgrade RAM, HDD and other parts. Test fault finding and troubleshooting techniques. Enabling support for SATA technology. Installation of OS using SATA technology drivers. Configuration of camera, mic, WLAN and Bluetooth, touchpad, fingerprint scanner.
6.	Perform the operations of office package (word, excel, power point).	Format text and editing. Set up pages and margins. Tabs and indents. Create Worksheets using Spreadsheet Software. Create Slideshows, insert picture, theme, format text, animation and object.

Coordinator, Board of Studies,
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

6.4 Students List: -

COMPUTER HARDWARE, EQUIPMENT REPAIRING & FABRICATION TRAINING WORKSHOP OF ELECTRONICS NOVEMBER 2019-20

DEPARTMENT STUDENT

LIST ATTENDING

S.No	Student Name	18	19	21	22	23	25	26	27	28	29	30	3/12	3/12
1	Aashish Sovasiya	A	A											
2	Abhishek Verma	A	A											
3	Abhushek Ratore	P	P	P	P	P	P	P	P	P	P	P	P	P.
4	Afroj Khan	P	P	P	P		P						P	P.
5	Anjali Jain	A	A											
6	Ankit Patel	P	P	P	P	P	P	P	P	P			P	P.
7	Ankita dudhwal	P	P	P	P	P	P	P	P	P	P	P	P	P.
8	Anshuka Sharma	P	P	P	P	P	P	P	P	P	P	P	P	P.
9	Anuj tomar	P	P	P	P	P	P	P	P	P	P	P	P	P.
10	Ashwini Kumar	P	P	P	P		P	P					.	
11	Harshita Pawar	P	P	P	P	P	P	P	P	P	P	P	P	P.
12	Himanshu Arya	P	P	P	P	P	P	P	P	P	P	P	P	P.
13	Isha Solanki	P	P	P	P	P	P	P	P	P	P	P	P	P.
14	Jyoti Dangi	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Kamakshi Manawat	P	P	P	P		P	P	P	P	P	P	P	P.
16	Koustubh Parsai	P	P	P	P	P	P	P	P	P	P	P	P	P.
17	Manali Verma	P	P	P	P	P	P	P	P	P	P	P	P	P.
18	Nagesh Patidar	P	P	P	P	P	P	P	P	P	P	P	P	P.
19	Nainika patwa	P	P	P	P	P	P	P	P	P			P	P.
20	Nazma Ansari	P	P	P	P	P	P	P	P	P	P	P	P	P.
21	Neha Yadav	P	P	P	P	P	P	P	P	P	P	P	P	P.
22	Omendra Patel	P	P	P	P	P	A	P	P	P		P	P	P.
23	Pallavi Soni	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Pankaj Jatav	P	P	P	P	P	P	P	P	P	P	P	P	P.
25	Pradum Choudhary	P	P	P	P	P	P	P	P	P	P	P	P	P.
26	Priyanka Gupta	A	A											
27	Puja Biswas	P	P	P	P	P	P	P	P	P	P	P	P	P.
28	Sahitya Jain	P	P	P	P	P	P	P	P	P	P	P	P	P.
29	Saket Gupta	P	P	P	P	P	P	P	P	P	P	P	P	P.
30	Sakshi Rajput	P	P	P	P	P	P	P	P	P	P	P	P	P.
31	Sandeep Parmar	P	P	P	P	P	P	P	P	P	P	P	P	P.
32	Sandhya Ginare	P	P	P	P	P	P	P	P	P	P	P	P	P.
33	Satish Kumar Patel	P	P	P	P	P	P	P	P		P	P	A	A
34	Shobha Yadav	P	P	P	P	P	P		P				A	A
35	Simran Khan	P	P	P	P	P	P	P	P	P	P	P	P	P.
36	Sourabh Chouhan	P	P	P	P	P	P	P	P	P	P	P	P	P.
37	Tabassum Quadery	P	P	P	P	P	P	P	P	P	P	P	P	P.
38	Vaishnavi shukla	A	A						P	P	P	P	P	P.
39	Vishnujit Nagar	P	P	P	P		P	P	P	P	P		P	P.
40	Yash Barodiya	P	P	P	P		P	P	P	P	P	P	P	P.
41	Yash Chouhan	P	P	P	P	P	P	P	P	P	P	P	P	P.
42	Yogendra Yadav	P	P	P	P	P	P	P	P	P	P	P	P	P.
43	Akash Sahu								P	P	P	P	P	P.

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6.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for completion of Value-added certificate course in the session 2019-2020.

Respected Sir,

A value-added certificate course on ***"Computer Hardware, Equipment Repairing & Fabrication"*** was organized by Department of Electronics & Swami Vivekananda Career Guidance Cell successfully in the session 2019-2020. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Kindly find enclosed: List of Students

Course Coordinator
Coordinator
Swami Vivekananda Career Guidance Cell
Govt. Holkar (Model Autonomous)
Science College, INDORE

Course Coordinator
Department of Electronics

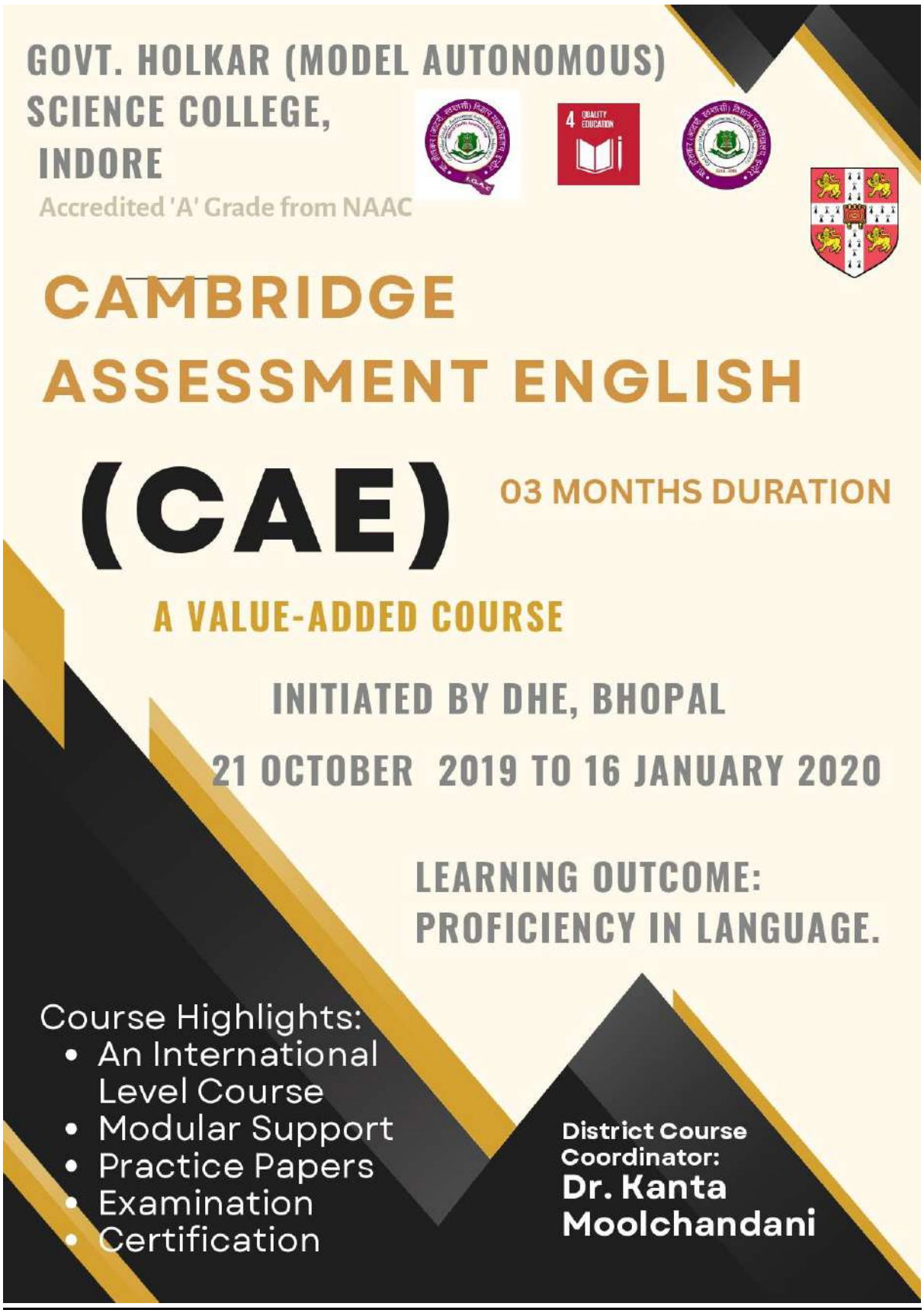
Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

7.

Value Added Course on Cambridge Assessment English

7.1 Brochure: -


GOVT. HOLKAR (MODEL AUTONOMOUS)
SCIENCE COLLEGE,
INDORE
Accredited 'A' Grade from NAAC
CAMBRIDGE
ASSESSMENT ENGLISH
(CAE)
03 MONTHS DURATION
A VALUE-ADDED COURSE
INITIATED BY DHE, BHOPAL
21 OCTOBER 2019 TO 16 JANUARY 2020
LEARNING OUTCOME:
PROFICIENCY IN LANGUAGE.
Course Highlights:
• An International Level Course
• Modular Support
• Practice Papers
• Examination
• Certification
District Course Coordinator:
Dr. Kanta Moolchandani

7.2 Syllabus: -

Government Holkar (Model, Autonomous) Science College, Indore
Cambridge Assessment English (CAE) 2019-20
Syllabus of Value Added Certificate Course

The CAE Course focused on Listening, Reading, Writing and Free talk (Speaking) For this purpose the Touchstone Book was prescribed and Students were also expected to do self – study, which included vocabulary building, interaction, using different conversation strategies and overall focusing on grammar as well as pronunciation. The detailed syllabus, provided by the Cambridge University, was divided in 12 Units is given below:

Touchstone Level 3 Contents and learning outcomes

	Learning outcomes	Language		
		Grammar	Vocabulary	Pronunciation
Unit 1 The way we are pages 1–10	• Talk about people's behavior using adverbs • Describe people's personalities using adverbs before adjectives • Use always with a continuous verb to describe habits • Use *at least* to point out the positive side of a situation • Read online student profiles • Write a personal profile	• Adjectives etc. manner adverbs • Adverbs before adjectives and adverbs • Adjective prefixes ***Extra practice***	• Behavior and personality • Personal qualities	***Speaking naturally*** • Rising and falling intonation in questions giving alternatives ***Sounds right*** • Word stress
Unit 2 Experiences pages 11–20	• Talk about experiences and secret dreams using the present perfect • Ask about unusual experiences using present perfect questions • Keep a conversation going • Show interest with *Do you?, Have you?*, etc. • Read a travel blog • Write a post for a travel blog	• Present perfect statements • Present perfect and simple past questions and answers ***Extra practice***	• Past participles of irregular verbs	***Speaking naturally*** • Reduced and unreduced forms of *have* ***Sounds right*** • Different ways to pronounce the letter *o*
Unit 3 Wonders of the world pages 21–30	• Talk about the best, worst, and most beautiful things in your city and country • Describe natural features • Use short responses to be a supportive listener • Use superlatives for emphasis • Read an article about world records • Write a factual article about your country	• Superlatives • Questions with *How* + adjective . . . ? ***Extra practice***	• Buildings and structures • Natural features	***Speaking naturally*** • Linking and deletion with superlatives ***Sounds right*** • Which sound in each group is different?
Checkpoint Units 1–3 pages 31–32				
Unit 4 Family life pages 33–42	• Talk about family life using *let, make, help, have, get, want, ask,* and *tell* • Talk about your immediate and extended family • Describe memories using *used to* and *would* • Give opinions with expressions like *If you ask me* • Agree with opinions using expressions like *Absolutely* • Read a blog about family meals • Write a blog entry about a family memory	• Verbs *let, make, help, have, get, want, ask,* and *tell* • *Used to* and *would* ***Extra practice***	• Types of families • Relatives and extended family members	***Speaking naturally*** • Reduction of *used to* ***Sounds right*** • Matching vowel sounds
Unit 5 Food choices pages 43–52	• Talk about eating habits using containers and quantities • Talk about different ways to cook food • Talk about food using *too, too much, many,* and *enough* • Respond to suggestions by letting the other person decide • Use expressions like *I'm fine* to politely refuse offers • Read about snacks around the world • Write about a dish from your country	• Review of countable and uncountable nouns • Quantifiers *a little, a few, very little,* and *very few* • *Too, too much, too many,* and *enough* ***Extra practice***	• Containers and quantities • Different ways of cooking food	***Speaking naturally*** • Stressing new information ***Sounds right*** • Are the sounds the same or different?
Unit 6 Managing life pages 53–62	• Talk about future plans and schedules using *will, be going to,* present continuous, and simple present • Ask for and give advice about personal situations using modal verbs and expressions • Use expressions with *make* and *do* • End phone calls with expressions like *I'd better go* • Say good-bye in a friendly, informal way • Read a blog about multitasking • Write some advice about time management	• The future with *will, be going to,* the present continuous, and the simple present • Use *had better, ought to,* and *might want to* to say what's advisable • Use *have to* and *going to have to* to say what's necessary • Use *would rather* to say what's preferable ***Extra practice***	• Expressions with *make* and *do*	***Speaking naturally*** • Reduction of verbs *want to, you'd better, going to have to, ought to,* and *have got to* ***Sounds right*** • Matching vowel sounds
Checkpoint Units 4–6 pages 63–64				

iv

Interaction	Skills				Self study
Conversation strategies	Listening	Reading	Writing	Free talk	Vocabulary notebook
• Use always and a continuous verb to talk about things people do more than is usual • Use *at least* to point out the positive side of a situation	***People I admire most*** • Listen to people talk about people they admire and fill in a chart ***Things you don't know about me*** • Predict what people will say next	***Student profiles*** • Online student profiles	***Your personal profile*** • Write a personal profile • Useful expressions for biographical writing	***What are we like?*** • Class activity: Ask questions to find out new things about your classmates	***Happy or sad?*** • When you learn a new word, find out if it has an opposite
• Keep the conversation going • Use response questions like *Do you?* and *Have you?* to show interest	***What have they done?*** • Listen to conversations about things people have done and choose the best responses ***A traveler's adventures*** • Listen to a conversation about travel and identify information; then answer questions about details	***Travel blogs*** • Read travel blogs	***Blog about it*** • Write a blog entry about an exciting experience • Use adverbs like *fortunately, unfortunately,* and *amazingly* to show your attitude or feeling	***I've never done that!*** • Group game: Play a game to find out things that your classmates have never done	***Have you ever . . . ?*** • When you learn a new verb, write the three main forms in a chart
• Use short responses with *really* and *sure* to agree and be a supportive listener • Use superlatives to emphasize your opinions and feelings	***What do you know?*** • Listen to a quiz and answer questions ***Travel talk*** • Listen to an interview about travel experiences and answer questions	***World records*** • Read an article about world records	***Interesting facts*** • Write a paragraph about an interesting place in your country • Adding information	***Where's the best place to . . . ?*** • Pair work: Think of advice to give to someone visiting your country for the first time	***From the mountains to the sea*** • Draw a map of your country and label it
Checkpoint Units 1–3 pages 31–32					
• Give opinions with expressions like *it seems like . . .* and *If you ask me, . . .* • Use expressions like *exactly, definitely,* and *absolutely* to agree with people's opinions	***Reasonable demands?*** • Listen to people talk about demands their parents make on them ***Family memories*** • Listen to people talk about things they used to do	***Barbara's Blog*** • Read a blog about family meals	***Family memories*** • Write a blog about a family memory • Time markers to show the past and present	***Family histories*** • Group work: Prepare a short history of your family and share it with your group	***Remember that?*** • Use word webs to log new vocabulary about your family members
• Respond to suggestions by letting the other person decide • Refuse offers politely with expressions like *No, thanks. I'm fine.*	***That sounds good.*** • Listen to conversations and number pictures in order; then match each picture with the best response ***Snack habits*** • Listen to people talk about snacks and fill in a chart	***Snacks around the world*** • Read an article about popular snacks from around the world	***You should definitely try it!*** • Write an article about a popular snack from your country • Give examples with *like, for example,* and *such as*	***Whichever is easier*** • Group work: Plan a "pot luck" dinner with your group	***Fried bananas*** • Learn new words in combination with other words
• End phone conversations with expressions like *I'd better go, I've got to go,* and *I'll call you later* • Use informal expressions like *See you later* to end friendly phone conversations	***Fun invitations*** • Listen to three people respond to different invitations and fill in a chart ***When should I do that?*** • Listen to four people talk about their time management problems and identify how they solved them	***The art (and science) of doing less and achieving more*** • Read an article about multitasking	***When should I do that?*** • Write advice about time management • Link ideas using *as long as, provided that,* and *unless*	***Who's going to do what?*** • Group work: Plan a community event and tell the class about your event	***Do your best!*** • When you learn a new expression, use it in a sentence to help you remember it
Checkpoint Units 4–6 pages 63–64					

	Learning outcomes	Language		
		Grammar	Vocabulary	Pronunciation
Unit 7 **Relationships** pages 65–74	• Talk about your circle of friends using relative clauses • Talk about dating using phrasal verbs • Soften comments with expressions like *sort of* • Use *though* to give a contrasting idea • Read an article about online dating • Write an article about your circle of friends	• Subject relative clauses • Object relative clauses • Phrasal verbs ***Extra practice***	• Phrasal verbs, including expressions to talk about relationships	***Speaking naturally*** • Stress in phrasal verbs ***Sounds right*** • Which sound in each group is different?
Unit 8 **What if?** pages 75–84	• Talk about wishes and imaginary situations using *I wish* and *if* clauses • Discuss how to deal with everyday dilemmas • Give advice using expressions like *If I were you, . . .* • Use *That would be . . .* to comment on a suggestion or a possibility • Read a blog about regrets • Write an article about how you would change your life	• Use *wish* + past form of verb to talk about wishes for the present or future • Conditional sentences with *if* clauses about imaginary situations • Asking about imaginary situations or events ***Extra practice***	• Expressions with verbs and prepositions	***Speaking naturally*** • Intonation in long questions ***Sounds right*** • Are these sounds the same or different?
Unit 9 **Tech savvy?** pages 85–94	• Talk about problems with technology using questions within sentences • Ask for help and describe how things work using *how to*, *where to*, *what to*, and separable phrasal verbs • Give different opinions with expressions like *On the other hand, . . .* • Ask someone to agree with you using expressions like *You know what? I mean?* • Read an article about email scams • Write an article about protecting personal information	• Questions within sentences • Separable phrasal verbs with objects • *how to* + verb, *where to* + verb, and *what to* + verb ***Extra practice***	• Phrasal verbs, including expressions to talk about operating electronic machines and gadgets	***Speaking naturally*** • Linking consonants and vowels ***Sounds right*** • Identifying unstressed syllables
Checkpoint Units 7–9 pages 95–96				
Unit 10 **What's up?** pages 97–106	• Talk about news with the present perfect continuous, present perfect, *since*, *for*, and *in* • Use the present perfect with *already*, *still*, and *yet* • Describe different kinds of movies • Ask someone for a favor politely • Use *All right*, *OK*, and *Sure* to agree to requests • Use *All right*, *OK*, and *So* to change topic • Read a movie review • Write a review	• Present perfect continuous vs. present perfect • *Since*, *for*, and *in* for duration • *Already*, *still*, and *yet* with present perfect ***Extra practice***	• Kinds of movies • Expressions to describe types of movies	***Speaking naturally*** • Reduction of *have* ***Sounds right*** • Matching vowel sounds
Unit 11 **Impressions** pages 107–116	• Speculate about people and things using *must*, *might*, *can't*, and *could* • Describe situations and people's feelings using adjectives that end in *-ed* and *-ing* • Show you understand situations or feelings • Use *you see* to explain a situation and *I see* to show you understand • Read an article about a music education program • Write an email to the founder of a charity	• Modal verbs *must*, *may*, *might*, *can't*, or *could* for speculating • Adjectives ending in *-ed* vs. adjectives ending in *-ing* ***Extra practice***	• Feelings and reactions	***Speaking naturally*** • Linking and deletion with *must* ***Sounds right*** • *-ed* adjective endings
Unit 12 **In the news** pages 117–126	• Talk about news events using the simple past passive • Talk about natural disasters using the simple past passive + *by* • Use expressions like *Guess what?* to tell news • Introduce ideas with expressions like *The thing is . . .* • Read an interview with a foreign correspondent • Write a report using statistics	• The simple past passive • The simple past passive with *by* + agent • Adverbs with the passive ***Extra practice***	• Extreme weather conditions • Natural disasters	***Speaking naturally*** • Breaking sentences into parts ***Sounds right*** • Matching words that have the same sounds
Checkpoint Units 10–12 pages 127–128				

Interaction	Skills				Self study
Conversation strategies	Listening	Reading	Writing	Free talk	Vocabulary notebook
• Soften comments with expressions like *I think, probably, kind of,* and *In a way* • Use *though* to give a contrasting idea	***People I look forward to seeing*** • Listen to someone describe three people; listen for the reasons he likes to see them ***Getting back in touch*** • Listen to a conversation about losing touch and fill in a chart	***Looking for love? Online is the way to go!*** • Read an article about online dating	***Your circle of friends*** • Write an article describing your circle of friends • Use *both* and *neither* to show what you have in common	***Your ideal partner*** • Group work: Discuss your ideal partner and questions you should ask before you decide to get married	***Matching up*** • When you learn a phrasal verb, it's a good idea to write down some other verbs you can use with the particle and some other particles you can use with the verb
• Give advice using expressions like *If I were you, . . .* and *You might want to . . .* • Use *That would be . . .* to comment on a suggestion or possibility	***Just one wish*** • Identify four people's wishes; then write the reasons they can't have their wishes ***Here's my advice*** • Listen to a conversation about problems and advice	***If I could live my live over . . .*** • Read a blog about regrets	***What would you change?*** • Write an article about how you would change your life • Use adverbs like *probably* and *definitely* in affirmative and negative statements	***What would you do?*** • Group work: Discuss what you would do in imaginary situations	***Imagine that!*** • When you learn a new verb, find out what prepositions (if any) can come after it
• Give different opinions using expressions like *On the other hand . . .* and *I know what you mean, but . . .* • Use expressions like *You know what I mean?* when you want someone to agree with you	***What do you know about the Internet?*** • Answer questions about the Internet; then listen to a conversation and check your answers ***Technology matters*** • Listen to a conversation about the pros and cons of technology; then agree or disagree with three opinions	***Savvy and safe*** • Read an article about email scams	***Keeping it safe*** • Write an article about protecting personal information • Planning your article	***Technology etiquette*** • Pair work: Debate different opinions about technology etiquette	***On and off*** • When you learn expressions with a new or complex structure, think of everyday situations where you might use them
Checkpoint Units 7–9 pages 95–96					
• Ask for a favor politely using expressions like *I was wondering . . .* and *Would it be OK with you . . .* • Use *All right, OK,* and *Sure* to agree to requests and *All right, OK,* and *So* to move a conversation to a new topic	***Favors at work*** • Match people with the favors they ask; then listen again for more information ***I'd really recommend it*** • Listen for details of a conversation about going to see a show	***Avatar is stunning, memorable, and mesmerizing!*** • Read a movie review	***A Review*** • Write a review of a concert, show, movie, or book • Contrast ideas with *although, even though,* and *even if*	***Who's been doing what?*** • Class activity: Ask questions to find out interesting things your classmates have been doing lately	***Great movies*** • When you learn a new word or expression, link it to something you have recently seen or done
• Show you understand another person's feelings or situation • Use *you see* to explain a situation • Use *I see* to show you understand	***People and situations*** • Match four people and their situations; then write a response with *must* to each ***People making a difference*** • Listen for details of conversations about people and organizations; discuss which organization you would choose to get involved with	***El Sistema*** • Read an article about a music education program	***My impression is . . .*** • Write an email to the founder of a charity • Expressions to show impressions, reactions, and opinions	***That must be fun!*** • Pair work: Make sentences to share with a partner. Then continue the conversation and speculate about what they say.	***How would you feel?*** • When you learn new words for feelings, link them to different situations where you might experience each one
• Introduce news with expressions like *Did you hear (about) . . . ?* and *Guess what?* • Use *The thing is / was . . .* to introduce issues	***News update*** • Listen to news stories and answer questions ***What do they say next?*** • Listen to people telling personal news and make predictions	***Life's work: Christiane Amanpour*** • Read an interview with a foreign correspondent	***Are you up on the news?*** • Write a report using statistics • Writing about statistics	***Here's the news!*** • Pair work: Make up short TV news reports about pictures and take turns telling news stories to another pair.	***Forces of nature*** • When you learn a new word, use a dictionary to find out what other words are typically used with it
Checkpoint Units 10–12 pages 127–128					

7.3 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore

Department of English

Session: 2019-20

Students List for Value Added Course on Cambridge Assessment English

S. No.	Full Name	Entry Code	Gender
1	Swechchha Jain	HVDNW-J641J	F
2	Akshay Panchole	V5A51-4NZU1	M
3	Anamika Chaturvedi	QCPHJ-SECV6	F
4	Anjali Sen	RWWLP-ZX23D	F
5	Ankur Malakar	87E1T-73KKE	M
6	Arjun Bagwan	63113-TPYV6	M
7	Sunidhi Chandel	BZGEX-Q1N4C	F
8	Sunil Choudhary	U7T1A-42CFH	M
9	Dakshina Trivedi	HPYKJ-P8LKX	F
10	Jyoti Dangi	KB4V8-JTESJ	F
11	Deepali Agrawal	BU2F1-ZS54X	F
12	Dheeraj Yadav	B2KKH-J6GYN	M
13	Deepika Maina	4MKRW-ETYNK	F
14	Pankaj Dongre Dongre	UEM61-ZJJVK	M
15	Gauri Shukla Anil Kumar Shukla	VGVWL-NV8WT	F
16	Hardik Pendharkar	JFZPE-EQ1WL	M
17	Divya Jain	FK3CS-TJTDJ	F
18	Anjali Jain	URFGP-2XY2A	F
19	Jatin Sharma	FCHXQ-FQYNV	M
20	Kratika Vyas	RU8FM-CVDST	F
21	Kratika Kashyap	UVV7V-AV2WV	F
22	Kritivesh Farkle	UBUKB-YQ3XN	M
23	Shivanshu Bhurtiya	AVG8Q-XJM6L	M
24	Rajnee Meena	CERT2-SHQE2	F
25	Minali Bairagi	SFTB5-8QLEJ	F
26	Ragini Modi	ZUBZ3-GWSUG	F
27	Mohit Gupta	72BDJ-G4ZQR	M
28	Kuldeep Singh Sisodiya	CFVVX-QT28E	M
29	Naman Meena	H5MT5-YMURE	M
30	Nidhi Dewatwal	SG8HH-QYUDB	F
31	Nikita Sajankar	XXQMV-SGLBJ	F
32	Nimisha Dubey	EX5K1-BBEWE	F
33	Koustubh Parsai	X5EPC-ZHDPQ	M
34	Nainika Patwa	DKWUH-C2PCE	F
35	Payal Fulmali	14T13-CVQUD	F
36	Piyush Pawar	Q536N-6DFLY	M
37	Pratiksha Singh	H7KBN-CXJF4	F
38	Priyanka Pant	X2337-UR7YZ	F
39	Purnima Devda	YC7B2-DT4T2	F
40	Rahul Gupta	SMPJL-PURVJ	M

41	Abhishek Rajawat	3L86P-D4RZV	M
42	Aman Rajpoot	GGLCS-LAPQE	M
43	Ritika Sharma	451NQ-VB1UT	F
44	Roshni Bopche	T2ESX-3GXH8	F
45	Abhishek Rathore	C6J3T-F35QH	M
46	Rupesh Trivedi	24CLB-Z75Z7	M
47	Sakshi Rajput	YE6AN-QPEQK	F
48	Shalini Gupta	FG3E8-4QJW7	F
49	Sharad Gupta	QYN4Y-LR3GC	M
50	Shivam Tripathi	SVHQN-JQAD6	M
51	Shivam Jaiswal	14PHX-44JS6	M
52	Shivani Jaiswal	23QDR-P31G7	F
53	Shivani Solanki	URE2Y-J35YD	F
54	Shivansh Singh Rajput	QB75T-SETVP	M
55	Shobha Yadav	2MFDP-LT7GR	F
56	Shweta Chaturvedi	L54BR-7X3S2	F
57	Anjali Sohani	MPNGM-HTBJG	F
58	Sohil Khan	TKLC8-712ZU	M
59	Sonali Sharma	J47SL-CJ74S	F
60	Srashti Soni	LQQV3-UPH2L	F
61	Shivsagar Soni	NF7M6-3CNYP	M
62	Thakur Abhishek Singh	ZQ8AX-M7VFY	M
63	Yogita Dodve	62ZH8-SPW6N	F
64	Adarsh Mishra	FNDSC-XL11P	M
65	Afsha Qureshi	UCAK4-PRE6V	F
66	Shweta Katre	N5V23-M4V2L	F
67	Kiran Tanwar	SV3RZ-6Q2PJ	F
68	Priyanka Gupta	TLLH4-8R8ZF	F
69	Prathmesh Upadhyay	BRNY5-7JAFN	M
70	Anuj Tomar	D22HS-KJ1AY	M
71	Ankush Sahu	46XFU-W3AFZ	M
72	Aradhna Singh	DDMDP-5SAKW	F
73	Omendra Patle	T122Q-CBDJ1	M
74	Amit Gupta	D5QJS-4RMF4	M
75	Shelendra Thakur	BGAUC-YHB4U	M
76	Ikin Jacob Toppo	REAA8-V1A5N	M
77	Shubham Jadon	DVDZG-MSQ6M	M
78	Krishna Chouhan	DXUQ7-ZRKQK	F
79	Kirti Patidar	NVTKV-QRM2F	F
80	Monika Kayal	2SX2R-C8VCF	F
81	Nameera Dayme	3THMS-M7ZHG	F
82	Nivedita Gupta	V5PVN-QRDQK	F
83	Pankaj Prajapati	4ZQ48-QB2RC	M
84	Priti Roy	US62R-HANRV	F
85	Rashi Shrivastava	HUHRH-B38PB	F
86	Shruti Rathore	N8Z4V-TVQBY	F
87	Roshni Ray	W1Q47-MKV3K	F
88	Sakshi Dangi	G5NNY-B6DWT	F

89	Saloni Sagar	U2BG6-7Q6MC	F
90	Sunayana Singh Thakur Thakur	STEAL-WT46X	F
91	Diksha Sonare	LJ54T-4QBCR	F
92	Sudeep Kaurav	SJK7W-6M25N	M
93	Surbhi Wagdre	7AH4J-M4DRZ	F
94	Twinkle Waskale	FWBK4-ZX5Y4	F
95	Abhishek Verma	FDTVF-TJ4V5	M
96	Megha Gargav	WLR12-FTPEL	F

Head
Department of English
Govt. Holkar Science College,
Indore (M.P.)

7.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for completion of Value-added certificate course in the session 2019-2020.

Respected Sir,

A value-added certificate course on *"Course on Cambridge Assessment English"* was organized by Department of English successfully in the session 2019-2020. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Kindly find enclosed: List of Students

Sd

Course Coordinator
Department of English

Verified by IQAC

8.

Value Added Course on Entrepreneurship Development

8.1 Brochure: -

GOVT. HOLKAR (MODEL AUTONOMOUS)
SCIENCE COLLEGE, INDORE
SESSION 2019-2020
Accredited 'A' Grade from NAAC
07 DECEMBER 2019 TO 26 DECEMBER 2019
35 HOURS
CERTIFICATE COURSE
ON
ENTREPRENEURSHIP
DEVELOPMENT
GOAL: TO ENHANCE ENTRPRENEURIAL SPIRIT
COURSE HIGHLIGHTS:
• Entrepreneurial development model
• 5Ps of Entrepreneurship
• Concept of Entrepreneurship
• Women Entrepreneurs
• Problems faced by Entrepreneurs
Course Coordinator:
Dr. Kanta Moolchandani
Convenor:
Dr. Indu Tiwari
HOD, Department of English
Patron:
Dr. Suresh T. Silawat
Principal

8.2 Syllabus: -

Govt. Holkar (Model, Autonomous) Science College, Indore
Department of English
Certificate Course on Entrepreneurship Development
Syllabus Session 2018-19 (UG Students)
Duration 07/12/2018 To 26/12/2018

Name of Paper : Entrepreneurship Development
Maximum Marks : 25
Duration : 35 Hours

1	Pre-requisite (if any)	
2	Course Learning Outcome (CLO)	**Course Objective -** The objective of the course is that the students should develop the ability of analyzing various aspects of Entrepreneurship. **Course Outcome** – After the completion of the course - 1. Students will be able to understand the concept of taking risk, creativity, and think about innovative ability. 2. Create awareness among students about economic activity. 3. Accumulate the various resources and to utilize them skillfully. 4. Students undertake managerial activities as part of their work. 5. Know the parameters to assess opportunity, risk constraints for making Business plans.

I Model of Entrepreneurship Development :- Sociological Models, Psychological Models Economic Models Integrated Model, 5 P'S of Entrepreneurship development Persistence, Patience, Purpose, People and Profit.

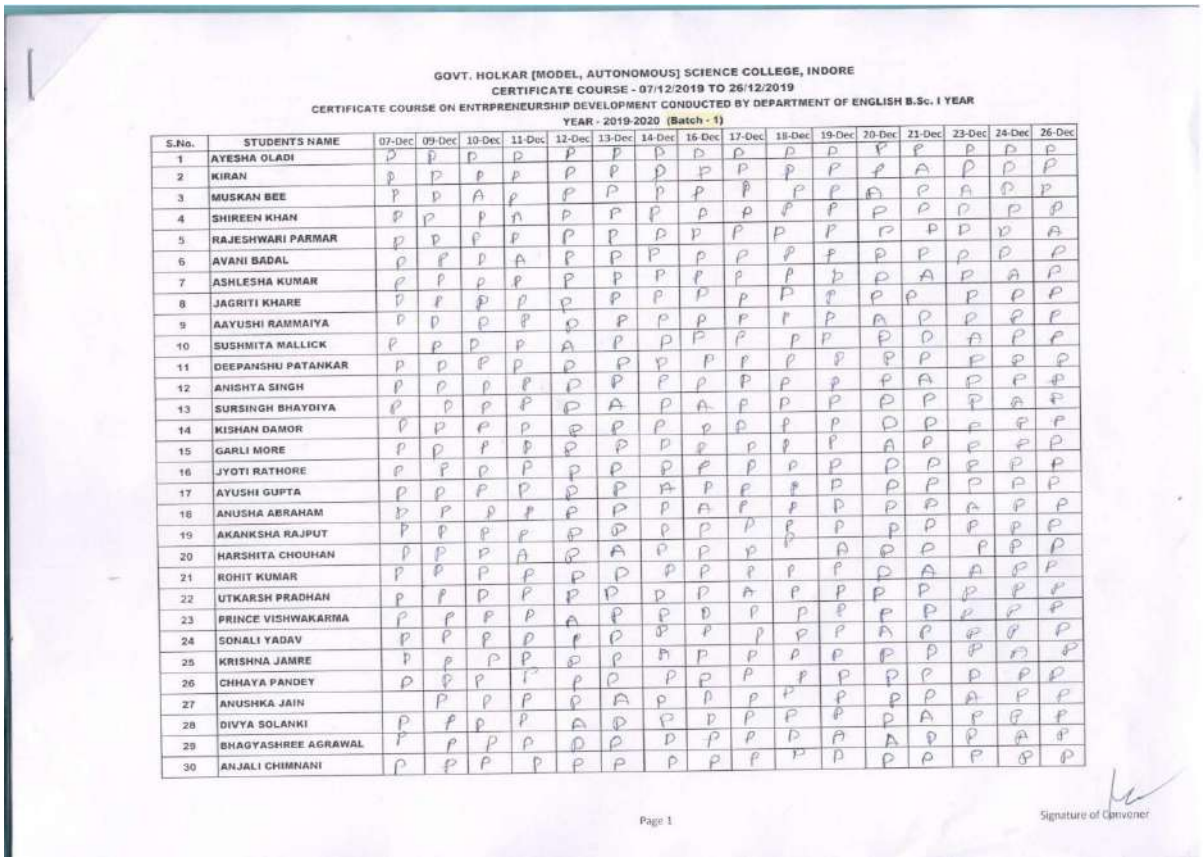
II Concept of Entrepreneurship Development :- Risk bearing capacity, group level reaction, organisation creation capacity, highest achievement capacity, managerial skills, innovative ability.

III Economic Resources :- Capital, Land, Labour, Organisation and Entrepreneur.

IV Women Entrepreneur :- Problem, solution and possibilities.

V Entrepreneur Problem & Solution :-
Problem of capital – Sources of raising capital.
Problem of power – Source of Power.
Problem of Registration – Absence of the registration at the time of registration.
Administrative problem –
Problem of ownership of an entrepreneur.

8.3 Students List: -



GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE
CERTIFICATE COURSE - 07/12/2019 TO 26/12/2019
CERTIFICATE COURSE ON ENTRPRENEURSHIP DEVELOPMENT CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I YEAR
YEAR - 2019-2020 (Batch - 1)

S.No.	STUDENTS NAME	07-Dec	09-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	23-Dec	24-Dec	26-Dec
1	AYESHA OLADI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	KIRAN	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
3	MUSKAN BEE	P	P	A	P	P	P	P	P	P	P	P	A	P	A	P	P
4	SHIREEN KHAN	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
5	RAJESHWARI PARMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
6	AVANI BADAL	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
7	ASHLESHA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P
8	JAGRITI KHARE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	AAYUSHI RAMMAIYA	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
10	SUSHMITA MALLICK	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P
11	DEEPANSHU PATANKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	ANISHTA SINGH	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
13	SURSINGH BHAYDIYA	P	P	P	P	P	A	P	A	P	P	P	P	P	P	A	P
14	KISHAN DAMOR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	GARLI MORE	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
16	JYOTI RATHORE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	AYUSHI GUPTA	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
18	ANUSHA ABRAHAM	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P
19	AKANKSHA RAJPUT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	HARSHITA CHOUHAN	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P	P
21	ROHIT KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P
22	UTKARSH PRADHAN	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
23	PRINCE VISHWAKARMA	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
24	SONALI YADAV	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
25	KRISHNA JAMRE	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P
26	CHHAYA PANDEY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	ANUSHKA JAIN		P	P	P	P	A	P	P	P	P	P	P	P	A	P	P
28	DIVYA SOLANKI	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
29	BHAGYASHREE AGRAWAL	P	P	P	P	P	P	P	P	P	P	A	A	P	P	A	P
30	ANJALI CHIMNANI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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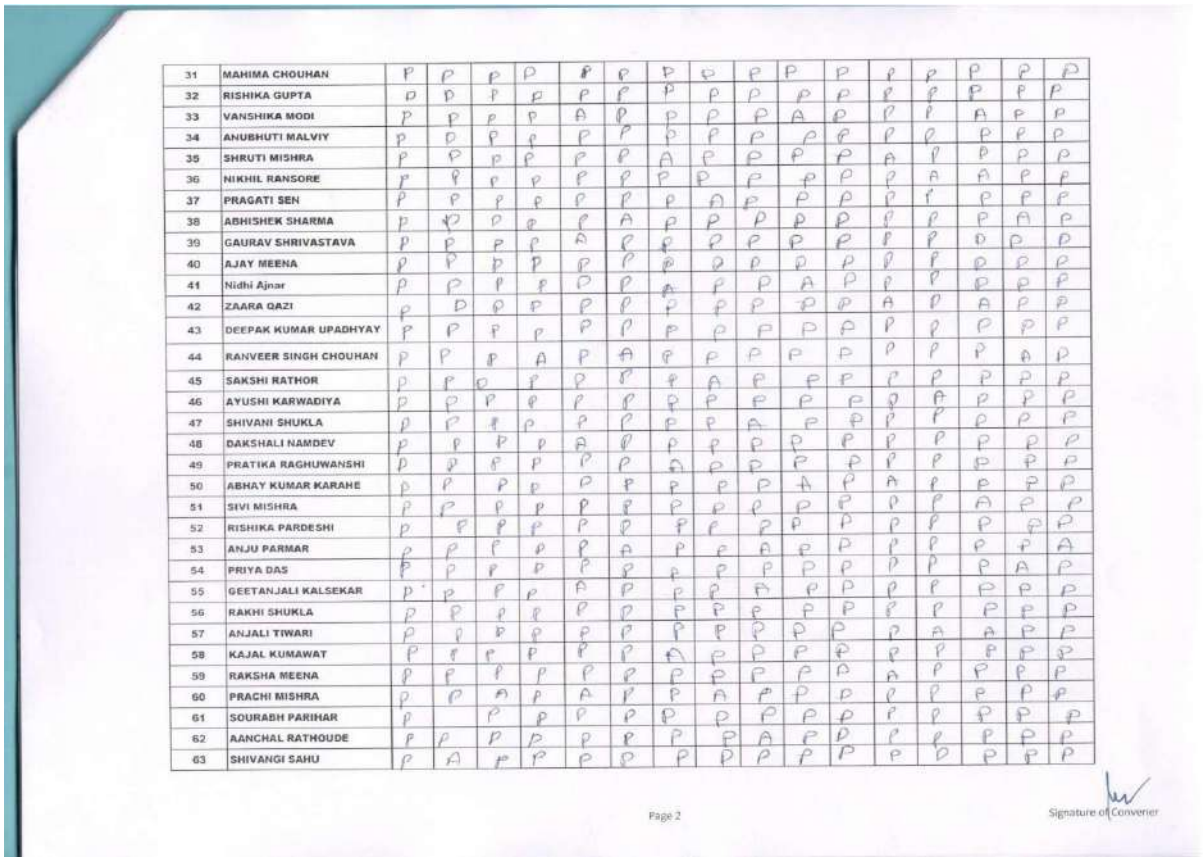

31	MAHIMA CHOUHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	RISHIKA GUPTA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	VANSHIKA MODI	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P
34	ANUBHUTI MALVIY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	SHRUTI MISHRA	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
36	NIKHIL RANSORE	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P
37	PRAGATI SEN	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
38	ABHISHEK SHARMA	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P
39	GAURAV SHRIVASTAVA	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
40	AJAY MEENA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	Nidhi Ajnar	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P
42	ZAARA QAZI	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P
43	DEEPAK KUMAR UPADHYAY	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
44	RANVEER SINGH CHOUHAN	P	P	P	A	P	A	P	P	P	P	P	P	P	P	A	P
45	SAKSHI RATHOR	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
46	AYUSHI KARWADIYA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
47	SHIVANI SHUKLA	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
48	DAKSHALI NAMDEV	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
49	PRATIKA RAGHUWANSHI	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
50	ABHAY KUMAR KARAHE	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P
51	SIVI MISHRA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
52	RISHIKA PARDESHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53	ANJU PARMAR	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	A
54	PRIYA DAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
55	GEETANJALI KALSEKAR	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
56	RAKHI SHUKLA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	ANJALI TIWARI	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P
58	KAJAL KUMAWAT	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
59	RAKSHA MEENA	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P
60	PRACHI MISHRA	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P	P
61	SOURABH PARIHAR	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P
62	AANCHAL RATHOUDE	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
63	SHIVANGI SAHU	P	A	P	P	P	P	P	P	P	P	P	P	D	P	P	P

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64	BHAVESH SONAVA	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
65	RITU RAJ SONI	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
66	RAVI RAJ	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
67	VIKAS BHURIYA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
68	HARSHITA SHARMA	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
69	AKANKSHA MISHRA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
70	KIRTI JAISWAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
71	SAHIL KHAN	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
72	FARDEEN KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
73	ANJALI DWIVEDI	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
74	ANIKET DANGI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
75	NEHA	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P		
76	SHIVANI GARG	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P	
77	LAKHAN	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
78	PRADEEP MARU	A	P	P	P	P	P	P	A	A	P	A	P	P	P	P	P	P	P
79	SACHIN SOLANKI	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
80	NEHA VERMA	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
81	VISHAL RAJPOOT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
82	GOVIND PATIDAR	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P
83	SHITAL PATIDAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
84	ANIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
85	AAKANKSHA	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A
86	PRADEEP SINGH	A	P	P	A	P	P	A	P	P	P	P	P	P	A	P	P	P	P
87	RAHUL AJNAR	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
88	DIKSHA MANDLOI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
89	RAHUL BHILALA	P	A	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P
90	SANGITA PATIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
91	AVDHESH PARASTE	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
92	PREETI GOSWAMI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
93	RAHUL SINGAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
94	Abhishek Singh Chouhan	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
95	JANVI KHARPUSE	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P
96	KHUSHI BHARADIA	P	A	P		P	P	P	P	A	P	P	P	P	P	P	P	P	P
97	URMILA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A

Signature of Convener

98	DIPESH PATEL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
99	VALLABHA GURJAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
100	RINKI BAMNE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
101	NOORJHAN MALIK	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A
102	SHWETA SINGH	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P
103	SWATI PATEL	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
104	HARSHITA SINGH	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
105	RADHIKA PATIDAR	P	P	A	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P
106	LOKESH KUMAR	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A
107	NILESH MAVASE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
108	KARAN PATEL	A	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P
109	VIKAS MUJALDE	P	P	P	P	P	P	A	P	A	A	P	P	P	P	P	P	P	P
110	DURGA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
111	ARTI LODHI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	A
112	MEGHA NAVRANGE	P	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P
113	RITESH MANDLOI	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
114	SATYAM TURKAR	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
115	Vipin Ghunawat	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
116	VINOD YADAV	P	P	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P
117	ANJALI CHOUHAN	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A
118	SONU KUMAWAT	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P
119	MUSKAN MATHANIYA	P	P	A	P	P	P	P	P	P	A	P	P	A	P	A	P	A	P
120	SHIVPRASAD SINGAD	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
121	YOGITA DAWAR	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
122	NIDHI SONWANE	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
123	SANDEEP CHOUHAN	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
124	CHHOTU SISODIYA	A	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P
125	ADITI SURYAWANSHI	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P
126	AMAN KUMAR SHUKLA	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P
127	RAJESH GEHLOT	P	P	P	P	P	P	P	A	P	P	A	P	P	P	A	P	P	P
128	JEETU SINGH PARMAR	A	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P
129	SHIVANI PATIDAR	P	A	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P
130	NEHA LODHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
131	ANURAG RAGHUWANSHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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132	KULDEEP MISHRA																
133	KRISHNPAL SINGH CHANDRAWAT																
134	MAHIMA SHUKLA																
135	VINIT TIWARI																
136	ANIL SOLANKI																
137	ANJALI KHEDE																
138	AAKASH UIKEY																
139	ANCHAL RANA																
140	TARUN CHOUHAN																
141	CHITRANJAN NARGAVE																
142	MONIKA BEDRE																
143	AADARSH JAIN																
144	PRIYANSHU CHOUDHARY																
145	DARSHAN																
146	SHASHWAT PAL																
147	BHUVNESHWAR SHARMA																
148	AAKANKSHA KHANNA																
149	YASHRAJ JASONA																
150	POOJA MORE																

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GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 07/12/2019 TO 26/12/2019

CERTIFICATE COURSE ON ENTRPRENEURSHIP DEVELOPMENT CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I YEAR

YEAR - 2019-2020 (Batch - 2)

S.No.	STUDENTS NAME	07-Dec	09-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	23-Dec	24-Dec	26-Dec
151	KUNDAN NARGAVE																
152	DEEPALI PATEL																
153	AMIT ACHOLE																
154	SACHIN JUKTE																
155	MAHESH LODHA																
156	PRATIBHA PATEL																
157	ABHISHEK RAO																
158	SACHIN DHURVEY																
159	SATISH MERAVI																
160	NIKITA KHAKRE																
161	DINESH SOLANKI																
162	RAHUL DHAKAD																
163	CHARU RAHANGDALE																
164	SHANKAR BHABAR																
165	ANJALI																
166	LALIT																
167	NAMRTA RUSIYA																
168	RISHAB SIHARE																
169	MEGHA MAHESHWARI																
170	ANJALI PATHAK																
171	SAURABH TIWARI																
172	NIHARIKA BAGHEL																
173	SADGEE BHAWSAR																
174	KRITIKA GORKHE																
175	CHHAVI YADAV																
176	HEMANT CHOUHAN																
177	SAURAV THOKE																
178	AYUSH JOSHI																
179	HARIOM GOSWAMI																

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180	RAJAT GOUD																
181	ANUSHKA RAI																
182	CHINMAY YADAV																
183	MAKHAN BHILALA																
184	MONU CARPENTER																
185	ROSHNI CHANDEL																
186	SEJAL RAY																
187	PRIYANSHI PANDEY																
188	ROHAN PATIDAR																
189	SHIKHAR BOKHARE																
190	KAMAL																
191	RANI																
192	MUSKAN																
193	GANGENDRA KUMAR MISHRA																
194	NAMAN RATHORE																
195	ASHISH KUMAR KUSHWAHA																
196	RAGHUNANDAN TEKAM																
197	RAKESH CHOPRA																
198	BHUPENDRA MOURY																
199	HARSH PARIHAR																
200	ASHWINI PATIL																
201	VIKASH KADOLE																
202	ISHITA MODI																
203	LOVEKESH CHOUNGAD																
204	SHEETAL VERMA																
205	SHUBHAM YADAV																
206	NIRMAL																
207	PAYAL GANGRADE																
208	SHARAD KARPENTER																
209	ASHWINI PANCHAL																
210	VANDANA																
211	BHAVESH PATIDAR																
212	SAKSHAM BARETHA																

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213	MAHIMA BARGODA																
214	SHUBHAM MALVIYA																
215	ABHISHEK MAYAK																
216	NANDANI DIKHIT																
217	PRADEEP GEHLOD																
218	ISHA JAISWAL																
219	JANVI LODWAL																
220	NANDANI PATLIYA																
221	PRIYANSHI SAHU																
222	AKASH SIKARWAR																
223	SANJANA THAKUR																
224	RAVI																
225	ROHIT KANASH																
226	KRISHNA CARPENTER																
227	AYUSH PORWAL																
228	SATYAM CHAURASIYA																
229	ASHI PANCHE																
230	JEETENDRA DAWAR																
231	BALRAM PRAJAPAT																
232	MOHIT SAXENA																
233	VISHAKHA SHARMA																
234	LOKESH DHOTE																
235	SHWETA NAGLE																
236	BHAVANI MEWADA																
237	ANAND DHURVEY																
238	MEGHA SHARMA																
239	YOGITA JAMRA																
240	DILIP SINGH CHOUHAN																
241	POOJA GANWANI																
242	KAJAL PARMAR																
243	BAISHALI BHATT																
244	NISHITA PACHAYA																
245	AANAND HIRVA																
246	RAKESH																

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247	DILEEP MUNIYA																
248	SHUBHAM RATHORE																
249	VIJAY BAMNIYA																
250	AYUSH TANWAR																
251	DEVYANSHI BOBADE																
252	AARTI KANOUJE																
253	HARIOM THANNA																
254	HEMLATA THANNA																
255	VIKAS																
256	SHIVANI BADODIYA																
257	GOVIND DANGI																
258	RUPESH GOYAL																
259	CHANDAN MORE																
260	DIVYANSH RATHORE																
261	MANSI SOLANKI																
262	NIDHI SONI																
263	AMIT GOUD																
264	RUPESH KUMRE																
265	RAHUL AMLIYAR																
266	DURGA MANAGRE																
267	DEEPAK CHOYAL																
268	AVNEET SUTRAKAR																
269	GANGARAM MUJALDE																
270	ARJIT PATEL																
271	ROHIT RATHORE																
272	RANI LODHI																
273	AILKAR VERMA																
274	AJAY JAMLE																
275	MANISHA BAMNIYA																
276	DEEPAK CHOUHAN																
277	SANDEEP CHOUHAN																
278	ASTHA SINGH																
279	NEHA MISHRA																
280	FAIZAN KHAN																

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281	VARSHA JAT																
282	ANGAR SINGH																
283	SAKSHI PUSHKAR																
284	RAHUL																
285	SEFALI PATEL																
286	SAPNA VERMA																
287	NIRMAL WASKEL																
288	PANKAJ SONI																
289	SUMIT SHARMA																
290	JAYANT																
291	RAGINEE DADOLIYA																
292	SHIVANI SAHU																
293	VANDNA LODHI																
294	RAJESH																
295	BAHADUR KATARA																
296	SANDHYA KIRAR																
297	AJAY PAWAR																
298	YOGESH NAGAR																
299	RIYANSHI NAYAK																
300	DEEPAK																

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GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 07/12/2019 TO 26/12/2019

CERTIFICATE COURSE ON ENTRPRENEURSHIP DEVELOPMENT CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I YEAR

YEAR - 2019-2020 (Batch - 3)

S.No.	STUDENTS NAME	07-Dec	09-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	23-Dec	24-Dec	26-Dec
301	MEGHA	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P
302	PRITI MASANE	P	P	P	P	P	P	A	P	P	P	A	P	P	P	A	P
303	PAYAL	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
304	DIPENDRA SINGH SONGARA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
305	VIKAS MALVIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
306	RUPALI PATIDAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
307	SONALI VISHWAKARMA	P	P	P	A	P	A	P	P	A	A	P	P	P	P	P	P
308	RISHABH SISODIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
309	DEEPAK NAMDEV	P	P	L	A	A	A	P	P	A	P	P	P	P	P	P	P
310	KHUSHBOO BHAVSAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
311	PREETI	P	P	P	A	A	P	P	P	P	P	P	P	P	P	A	P
312	POOJA RATHORE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
313	Manisha Ahirwar	P	P	P	P	P	P	P	P	P	A	L	P	P	P	P	P
314	MANSHA BAGANIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
315	YOGESH CHOUDHARY	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P
316	PALAK CHOURASIYA	P	P	P	P	P	P	P	P	P	L	A	A	P	P	P	P
317	ANKIT JHALA	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P
318	DIVYA KHICHI	P	P	P	P	P	P	P	P	P	A	P	A	P	A	P	P
319	SHUBHAM PRAJAPAT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
320	SAHIL WARIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
321	VIPIN KUMAR DEEPANKAR	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P
322	PARWANA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A
323	ASRA KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
324	SNEHA GOSAIN	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P
325	JYOTI SAHU	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P
326	KRITIKA JAMRE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
327	MAYA MORI	P	P	P	P	P	P	P	P	P	P	A	P	P	A	A	A
328	UTTAM RATHORE	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
329	PREETAM SINGH MAWASE	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P

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330	AAKASH SINGH	P	A	P	P	A	A	P	P	P	P	A	P	P	P	P	P
331	RISHI SIHARE	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
332	AVANI SHUKLA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
333	NEHA SENDHAV	P	P	L	P	P	P	P	P	P	A	P	P	P	P	P	P
334	RUTVI SHUKLA	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	A
335	MINAL KANUNGO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
336	ROHITSINGH	A	A	A	P	P	P	A	P	P	P	P	P	P	P	P	A
337	SONALI YADAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	L
338	SHEETAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
339	SHIVANI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
340	TANISHKA BHAWSAR	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
341	SHIKSHA DWIVEDI	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P
342	RIYA MISHRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
343	KRITIKA SHARMA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
344	VAISHNAVI SONI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
345	AVINASH	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
346	RAVI PATIDAR	A	A	A	P	P	P	P	A	P	P	P	P	P	A	P	P
347	AASMI AHIRWAR	P	A	A	A	P	P	P	P	P	P	P	P	A	P	P	P
348	JYOTI SHINDE	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P
349	PAYAL CHOUHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A
350	CHANCHAL KALESHARIA	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	A
351	BALKRISHNA MAL	P	P	P	P	P	P	P	A	P	P	P	A	A	P	A	P
352	YOGESH MORI	P	P	P	P	P	A	P	A	P	P	P	P	A	A	A	A
353	NEETU NIMOLE	P	P	P	P	P	P	P	A	A	A	P	A	A	P	P	P
354	RAJAT PAL	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
355	RAVINA PATEL	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
356	PRANJALI SATHE	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P
357	KUSUM RAJPUT	P	P	P	P	P	P	P	P	A	P	A	A	P	P	A	A
358	HUMA SIDDIQUE	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P
359	SACHIN MEWADA	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
360	BHARTI	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
361	VINAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
362	SHIVANI BHALSE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
363	NISHITA DUBEY	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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364	ARADHANA GOTHI	P	P	A	P	P	P	A	P	P	A	P	P	P	P	A	P
365	RADHIKA SHARMA	P	A	P	P	A	A	P	P	P	P	A	P	P	A	P	P
366	MITTALI VERMA	A	P	P	A	P	P	A	P	P	P	P	A	P	P	P	A
367	ADITI PATIL	P	P	A	P	A	P	P	A	P	A	P	P	P	P	A	P
368	ARYAN DESHMUKH	P	A	P	P	P	A	P	A	P	P	A	P	P	A	P	P
369	SHUBHAM SAITE	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	A
370	PRANJALI SINGH	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
371	ATHARVA PATIL	P	P	A	P	P	A	P	P	P	A	P	A	P	P	A	P
372	KUMKUM BHARVEL	P	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P
373	SHASHANK MISHRA	P	A	P	P	P	A	P	P	P	P	P	A	P	P	P	A
374	ATUL KUMAR PATEL	A	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
375	ANUJ PANDEY	P	P	A	P	P	A	P	A	P	P	A	P	P	P	A	P
376	KAPIL UPADHYAY	P	P	P	A	P	P	A	P	P	A	P	P	P	A	P	P
377	ALOK KUMAR PATHAK	P	P	A	P	P	A	P	P	A	P	P	P	A	P	P	P
378	VIKAS KUMAR GUPTA	P	A	P	P	P	P	P	A	P	P	A	P	P	P	A	P
379	SONALI SONI	A	P	P	A	P	P	A	P	P	P	P	A	P	P	P	A
380	NISHI KOTHARI	P	P	A	P	P	A	P	P	A	P	A	P	A	P	P	P
381	AMRA CHARAN	P	A	P	P	P	P	A	P	P	A	P	P	P	A	P	P
382	JAYA BARWAL	A	P	P	P	A	P	P	P	P	P	P	A	P	P	A	P
383	VISHNU	P	A	P	A	P	P	P	A	P	P	P	P	A	P	P	P
384	SHIVANI CHAWDA	P	P	A	P	P	A	P	P	A	P	P	P	P	P	P	A
385	SANJANA SINGH	P	P	P	A	P	P	A	P	P	A	P	P	P	P	A	P
386	VIPIN KUMAR AGRAHARI	A	P	P	P	A	P	P	P	P	P	A	P	P	A	P	P
387	UNNATI SINGH	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	A
388	RAHUL BAMNIYA	P	P	P	A	P	P	A	P	P	A	P	P	P	A	P	P
389	DEEPAK RUHELA	P	A	P	P	A	P	P	P	P	P	A	P	P	P	A	P
390	NIKITA	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A
391	KRITIKA MISHRA	P	P	A	P	P	A	P	P	A	P	P	P	A	P	P	P
392	ASHUTOSH KUMAR MISHRA	A	P	P	P	A	P	P	A	P	P	A	P	P	P	A	P
393	MANISHA OSARI	P	A	P	P	P	P	A	P	P	A	P	P	P	A	P	P
394	SHIVANSHU SINGH BAGHEL	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
395	SHEETAL CHOUHAN	P	P	A	P	A	P	A	P	P	A	P	A	P	P	A	P
396	AYUSHI PALIYA	P	A	P	P	P	P	P	A	P	P	A	P	P	P	P	A
397	PRIYANKA SINGH	A	P	P	P	P	P	A	P	P	A	P	P	A	P	P	P

Signature of Convener

398	SURBHI WAGH	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P
399	SHEETAL WASKEL	P	P	A	P	P	A	P	P	P	A	P	P	A	P	P	P
400	TANU MASKARE	P	P	P	A	P	P	A	P	A	P	P	A	P	P	A	P
401	KRATIKA SHARMA	P	A	P	P	A	P	P	P	P	A	P	P	A	P	P	P
402	NIDHI KATHOUTE	P	P	P	P	P	A	P	A	A	P	P	A	P	P	P	P
403	SHUBHANGI SONI	A	P	P	P	A	P	A	P	P	A	P	P	P	A	P	P
404	REENA MALVIYA	P	P	A	P	P	A	P	P	A	P	A	A	P	P	A	P
405	SANSKAR PATIDAR	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
406	HARSHIT SHARMA	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
407	AAKASH MISTRY	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	A
408	LAVISHA BAGHEL	P	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P
409	VIGYATA SINGH	A	P	P	P	A	P	P	A	P	P	P	A	P	P	A	P
410	DEEPAK BARWAL	P	P	A	P	P	P	A	P	P	P	A	P	A	P	P	P
411	ARJUN PALATIYA	P	P	P	A	P	P	P	A	A	P	P	P	P	A	P	A
412	UNNATI MISHRA	P	A	P	P	A	P	P	P	P	A	P	P	A	P	P	P
413	ANJALI	P	P	A	P	P	A	P	P	A	P	P	A	P	P	A	P
414	ARVIND	A	P	P	P	A	P	P	A	P	P	A	P	P	A	P	P
415	RAJKUMAR	P	A	P	A	P	P	A	P	P	A	P	P	A	P	P	P
416	ANISH KUMAR PATEL	P	P	A	P	P	A	P	P	A	P	P	A	P	P	A	P
417	KAVITA KUMARI DANGI	A	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
418	YASHRAJ TAWAR	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	A
419	KULDEEP SINGH SOLANKI	A	P	P	P	A	P	P	A	P	A	P	P	P	A	P	P
420	SONU BABERIYA	P	P	A	P	P	P	A	P	A	P	P	P	A	P	P	P
421	BHARGAVI GOYAL	P	P	P	A	P	A	P	P	P	P	A	A	P	P	A	P
422	POOJA VISHWAKARMA	P	A	P	P	A	P	P	P	A	P	P	P	A	P	P	P
423	SHIVRAM CHOUHAN	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
424	KIRAN KELWA	P	P	A	P	P	A	P	A	P	P	P	P	P	P	A	P
425	NISHA PATEL	A	P	P	A	P	P	P	P	A	P	P	A	P	P	P	A
426	PRITI RAWAT	P	P	A	P	P	P	P	A	P	A	A	P	P	P	A	P
427	NIKITA CHANDRAWAT	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
428	VIKAS NIMADI	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
429	ANKIT SOLANKI	P	P	A	P	P	P	A	P	P	A	P	P	P	P	A	P
430	RAJ PRIYA CHOUDHARY	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P	A
431	RAVI UPADHYAY	P	A	P	A	P	P	A	A	P	P	A	P	A	P	P	P

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432	VAISHANAVI AMRUTE	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
433	NITIN PATLE	A	P	P	P	P	P	A	P	P	P	A	P	P	P	A	P
434	SAROJ NAYAK	P	A	A	P	P	P	P	A	P	A	P	A	P	A	P	P
435	RISHIKA PATEL	P	P	P	A	P	P	A	P	P	P	P	P	A	P	P	A
436	TANU DHEPTE	A	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P
437	VIJAY CHOUDHARY	P	P	A	P	P	P	P	A	P	A	P	P	A	P	P	P
438	BHARTI RANA	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	A
439	RAVI	P	P	P	A	P	P	P	A	P	P	P	A	P	A	P	P
440	RAHUL BADOLE	P	P	A	P	P	A	P	P	A	P	P	P	A	P	P	P
441	DIVYANSHU GOME	A	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P
442	REENA BAMNIYA	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	A
443	MANSI BAGHEL	P	P	A	P	P	P	P	A	P	P	P	A	P	A	P	P
444	ABHISHEK DONGRE	A	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P
445	SAKARAM ALAWA	P	P	P	A	P	A	P	P	P	P	A	P	P	A	P	P
446	LALIT VISHWAKARMA	P	A	P	P	P	P	A	P	P	A	P	P	A	P	P	A
447	RAHUL TIROLE	A	P	P	A	P	P	P	P	A	P	P	P	P	P	A	P
448	MUSKAN GUPTA	P	P	P	P	A	P	P	A	P	P	P	A	P	A	P	P
449	RAGINI SINGH	A	P	P	P	P	A	P	P	P	P	A	P	A	P	A	A
450	BHOJ THAKRE	P	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P

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GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 07/12/2019 TO 26/12/2019

CERTIFICATE COURSE ON ENTRPRENEURSHIP DEVELOPMENT CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I YEAR

YEAR - 2019-2020 (Batch - 4)

S.No.	STUDENTS NAME	07-Dec	09-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	23-Dec	24-Dec	26-Dec
451	NEERAJ	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
452	PALLAVI JAMRE	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
453	LALIT MUCHHALA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
454	SONU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
455	AYUSHI BAROLE	A	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P
456	MANISH BHAMORIYA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A
457	NISHA KANNOJ	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
458	MANISHA KARPENTAR	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
459	PRACHI GAUTAM	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P
460	ABHISHEK NAMDEV	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
461	PAWAN NAPIT	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P
462	ASTHA SHARMA	P	P	P	A	P	P	P	P	P	P	P	P	P	A	A	P
463	VIDHI THAKUR	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P	A
464	SHRIKRISHNA	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
465	NAVEEN KURMI	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P
466	JITEN	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P	P
467	RUPSINGH MALVIYA	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A
468	PAWAN KUMAR UIKEY	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P
469	BHARATI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
470	RITIKA	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P
471	CHETAN BAMNIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
472	JATIN JAT	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P
473	NEELAM VARFA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
474	DEVENDRA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A
475	KRATI AJMERA	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
476	AARYA VERMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
477	GOVINDSING NALWAYA	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P
478	ANISHA TEKAM	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
479	SATYADEV YADAV	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P

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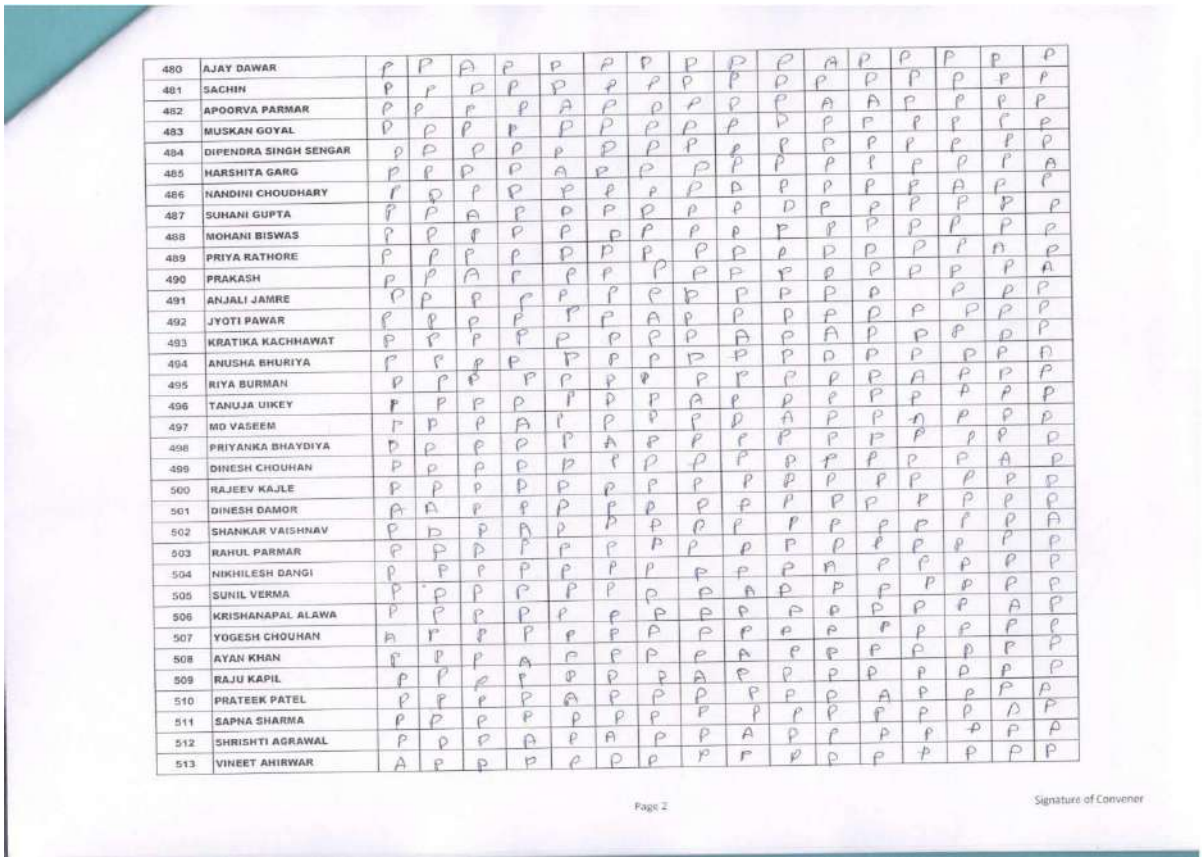
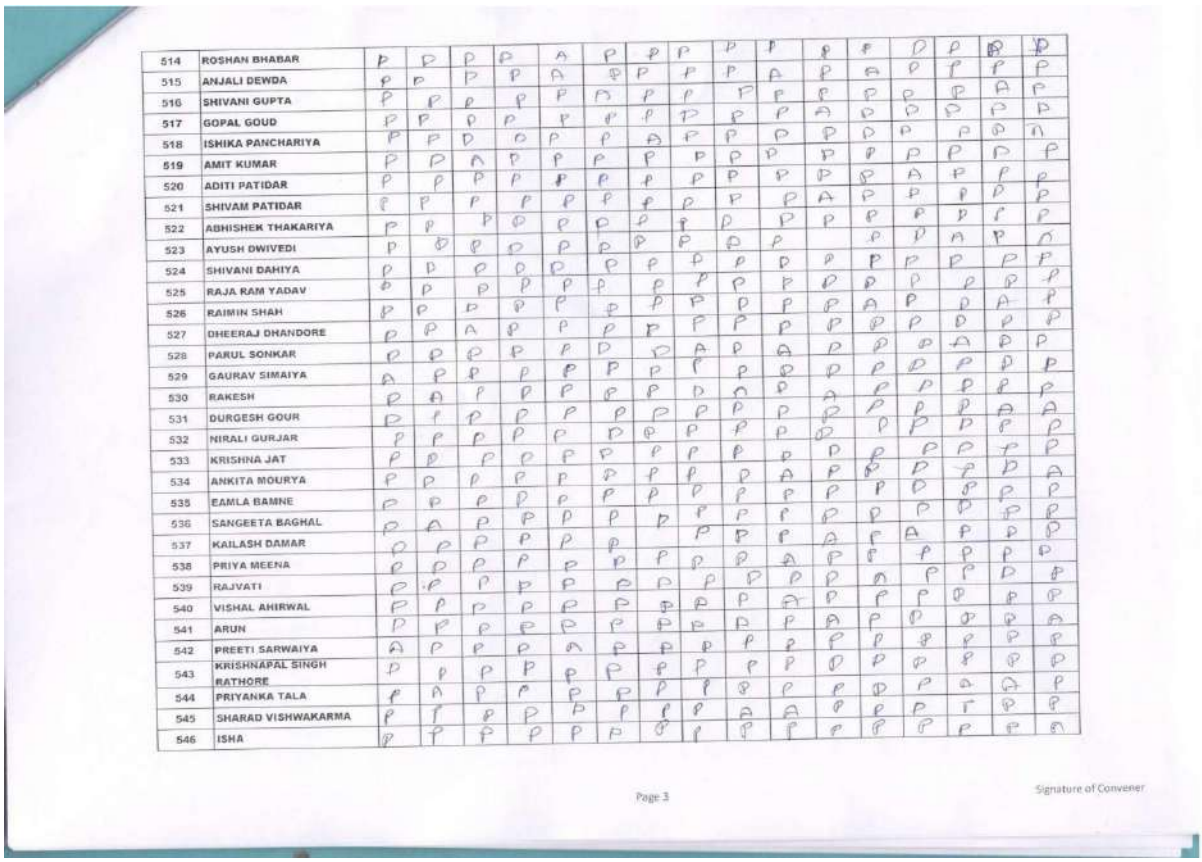


480	AJAY DAWAR
481	SACHIN
482	APOORVA PARMAR
483	MUSKAN GOYAL
484	DIPENDRA SINGH SENGAR
485	HARSHITA GARG
486	NANDINI CHOUDHARY
487	SUNANI GUPTA
488	MOHANI BISWAS
489	PRIYA RATHORE
490	PRAKASH
491	ANJALI JAMRE
492	JYOTI PAWAR
493	KRATIKA KACHHAWAT
494	ANUSHA BHURIYA
495	RIYA BURMAN
496	TANUJA UIKEY
497	MD VASEEM
498	PRIYANKA BHAYDIYA
499	DINESH CHOUHAN
500	RAJEEV KAJLE
501	DINESH DAMOR
502	SHANKAR VAISHNAV
503	RAHUL PARMAR
504	NIKHILESH DANGI
505	SUNIL VERMA
506	KRISHANAPAL ALAWA
507	YOGESH CHOUHAN
508	AYAN KHAN
509	RAJU KAPIL
510	PRATEEK PATEL
511	SAPNA SHARMA
512	SHRISHTI AGRAWAL
513	VINEET AHIRWAR

Signature of Convener



514	ROSHAN BHABAR
515	ANJALI DEWDA
516	SHIVANI GUPTA
517	GOPAL GOUD
518	ISHIKA PANCHARIYA
519	AMIT KUMAR
520	ADITI PATIDAR
521	SHIVAM PATIDAR
522	ABHISHEK THAKARIYA
523	AYUSH DWIVEDI
524	SHIVANI DAHIYA
525	RAJA RAM YADAV
526	RAIMIN SHAH
527	DHEERAJ DHANDORE
528	PARUL SONKAR
529	GAURAV SIMAIYA
530	RAKESH
531	DURGESH GOUR
532	NIRALI GURJAR
533	KRISHNA JAT
534	ANKITA MOURYA
535	EAMLA BAMNE
536	SANGEETA BAGHAL
537	KAILASH DAMAR
538	PRIYA MEENA
539	RAJVATI
540	VISHAL AHIRWAL
541	ARUN
542	PREETI SARWAIYA
543	KRISHNAPAL SINGH RATHORE
544	PRIYANKA TALA
545	SHARAD VISHWAKARMA
546	ISHA

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547	SALONI HADA
548	ARTI GUPTA
549	NIHARIKA SINGH
550	PANKAJ PATEL
551	NIDHI SALVI
552	KHUSHI SHEROKE
553	NATASHA LODHI
554	NEETIRAJ PARIHAR
555	GAURAV PARIHAR
556	NIKHIL SINGH RAJAWAT
557	YASH BHUSKUTE
558	NIHARIKA PARASHAR
559	ARVIND MAHOR
560	ANKUSH PATEL
561	ABHISHEK MAIDA
562	KULDEEP PATIDAR
563	PRINCE
564	SONAM NARWARIYA
565	BHAVSINGH
566	ARINDAM RAHA
567	DIVYANSH SINGH THAKUR
568	SHIVANI
569	YOGESH UJJAINIYA
570	DIPIKA MEENA
571	ATHARVA JOSHI
572	AYUSHI SONI
573	AASTHAN PANCHOLI
574	SONAM DHARSIYA
575	PRANAV KHODE
576	RAKESH SAHU
577	RIYA SINGH
578	KAREENA YADAV
579	AYUSHI DAHARWAL
580	MANISH VASUNIYA

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581	DEVENDRA SONARE
582	VEENU SHARMA
583	DURSINGH THAKUR
584	RAJPAL SINGH BORANA
585	VIKAS KHANDVI
586	KULDEEP
587	SHIVANSH CHAURASIYA
588	RANJANA MALVIYA
589	ANKIT GEHLOT
590	ASHISH KUMAR PATEL
591	PUSHKAR
592	UNNATI JAIN
593	JYOTI CHOUDHARY
594	BHUMIKA THAKUR
595	CHETAN
596	DEEPAK VERMA
597	NIDHI ATRE
598	PRIYANSHI JAMALKAR
599	VINAY JATAV
600	SADHNA CHATURVEDI

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 07/12/2019 TO 26/12/2019

CERTIFICATE COURSE ON ENTRPRENEURSHIP DEVELOPMENT CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I YEAR

YEAR - 2019-2020 (Batch - 5)

S.No.	STUDENTS NAME	07-Dec	09-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	23-Dec	24-Dec	26-Dec
601	RITIKA JOSHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
602	SEJAL JAIN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
603	NEHA PANT	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
604	ARYAWARDHAN SINGH	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P
605	LAKSHITA MISHRA	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P
606	MUSKAN SONI	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P
607	AAYUSHI PALIWAL	P	P	P	P	P	A	P	A	P	P	P	P	P	A	P	P
608	ANKITA KOTHARI	A	P	P	P	P	P	P	P	A	P	A	P	P	P	P	A
609	AMRITA P NAIR	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
610	SIMRAN GANGWANI	P	P	P	P	P	P	P	P	P	A	P	A	P	P	A	P
611	AMAN KOTWAR	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
612	SHRUTI SINGH GAUTAM	A	P	P	P	P	P	A	P	P	P	A	P	A	P	P	P
613	MAYUR TIROLE	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P	P
614	PRACHI DUBEY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
615	PRASHANT KOURAV	P	P	P	A	P	D	P	A	P	P	P	P	P	P	P	P
616	DEVYANI SHAKYA	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
617	VAISHNAVI SINGH	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P
618	KARTIK VYAS	A	P	P	P	P	P	A	P	P	P	P	A	P	P	A	P
619	PRIYA DILWARIYA	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	A
620	SAKSHI MANDLOI	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P
621	NANDANI	P	P	P	P	P	P	P	P	P	P	P	D	A	P	P	P
622	SOUMYA KHARE	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
623	ISHAN BILLORE	A	P	A	P	A	P	P	P	P	A	P	P	P	P	P	P
624	PRASHANT MAGARDE	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P
625	VIKASH KUMAR	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
626	SHIVANI JEENWAL	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
627	PRIYANKA BARELE	P	P	P	P	A	P	P	A	P	A	P	A	P	P	P	P
628	VANSHITA THAKUR	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A

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629	ANAMIKA CHOUREY	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
630	KHUSHBU MITHORIYA	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
631	MUSKAN MITHORIYA	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
632	GAYATRI P ANAND	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
633	ANUBHA SAHU	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P
634	RAKSHA GUPTA	A	P	P	P	P	A	P	A	P	P	P	P	A	P	P	P
635	RITIKA GUPTA	P	A	A	P	P	P	P	P	A	P	A	P	P	P	A	P
636	SHAILENDRA LODHI	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
637	LAVKUSH MISHRA	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
638	ABHISHEK	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
639	POOJA	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P
640	BHOLARAM	P	A	P	P	P	P	P	P	P	P	P	A	P	A	P	P
641	KU. NIKITA SALVE	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P
642	KOMAL GEHLOD	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
643	AASHISH RATHORE	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P
644	NITIN SINGH SIKARWAR	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
645	ANKIT SOLANKI	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
646	ANKITA SONI	P	A	P	P	P	P	P	A	P	A	P	P	P	P	P	P
647	TUSHAR VERMA	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
648	KULDEEP RAGHUVANSHI	P	P	A	P	P	P	P	P	P	P	P	A	P	A	P	P
649	RAJNANDINI CHOUHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
650	SOURABH	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
651	SWETA TOMAR	P	P	P	P	P	P	P	A	P	P	A	P	A	P	P	P
652	ABHISHEK JOGI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
653	ANAND CHOURASIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
654	PAWAN JAT	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
655	KIRTI MANDLOI	A	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P
656	PIYUSH GUPTA	P	A	A	P	P	P	P	A	P	P	P	P	P	P	P	P
657	JANVI KARMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
658	AYUSHI KHARE	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
659	MEGHA KHICHI	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
660	KRISHAN KUMAR NAMDEV	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
661	SHIVANI KUMRAWAT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
662	DIPIKA PATHAK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Convener

663	RAHUL MISHRA	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
664	DURGESH SINGH CHOUHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
665	AADARSH SINGH THAKUR	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
666	SHIVANI TOMAR	P	P	P	P	P	P	P	P	P	P	P	A	P	A	P	A	P
667	SHUBHAM SONI	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	A	P
668	NEHA VERMA	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
669	POOJA	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
670	SAKSHI GUPTA	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	A	P
671	TEENA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
672	NANDINI AGAR	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	A	P
673	POOJA BHARGAV	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
674	SHEJAL CHANDAN	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
675	MANISHA CHOUHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
676	MANSI GUNJAL	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
677	PRATHAM GUPTA	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A
678	SHEETAL HINGOLE	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
679	FALGUNI IYER	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P
680	NIKKI KANOJIYA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
681	BHAGYASHRI KHOWAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
682	HARSH TRIPATHI	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
683	AYUSH SANWLE	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P
684	ISHIKA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A
685	AMAR MISHRA	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
686	AISHWARYA VERMA	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
687	AKHIL NAYAK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
688	URVASHI NIGAM	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A
689	SHREYA PATIDAR	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
690	NEEKESH RAGHUVANSHI	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
691	PRAPTI RANGARI	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
692	YOGITA RATHOD	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
693	HARSH TIWARI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
694	ANKIT	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
695	SHUBHAM MISHRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
696	RITIKA SAINI	P	P	P	A	P	P	P	P	P		P	P	P	P	P	P	P

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697	RISHA UPADHYAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
698	ISHAN SHARMA	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P
699	AKANKSHA BORASI	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P
700	SWATI GANDHARE	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
701	REENA RATHORE	P	A	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P
702	MATRIKA BOHRA	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P	P	P
703	ABHISHEK DHODI	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
704	MANISHA BAGHEL	A	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
705	DEEPALI AARYA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
706	AISHWARYA KAYAT	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
707	PRABHAKAR MISHRA	P	P	A	A	P	P	P	A	A	P	P	P	P	P	P	P	P
708	VAISHNAVEE RATHORE	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
709	KRATIK SHARMA	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
710	PRIYANSHU SINGH	P	P	P	A	P	P	A	A	P	P	P	P	P	P	P	P	P
711	PREETI SINGH PANWAR	P	A	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
712	KARTIKEY TIWARI	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	A
713	KETAN YADAV	P	P	P	P	A	P	A	P	A	P	P	P	P	A	P	P	P
714	SACHINRAJ PATEL	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A
715	DEVESH MISHRA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
716	AKSHANSH PANDEY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
717	JYOTI MISHRA	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P
718	KAMLESH PRAJAPATI	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
719	MAMTA SHAH	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
720	ASHISH SHARMA	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
721	KHUSHBOO OJHA	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
722	NITIN YADAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
723	ABHISHEK PATHAK	A	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	A
724	RAJU DHURVE	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
725	ANAMIKA GUPTA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
726	NANDKISHORE DHANGAR	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P
727	AJAY SHAH	P	P	P	P	P	P	P	P	D	P	P	P	P	P	P	P	A
728	ANJANA BAGHEL	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P

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729	POOJA VERMA																	
730	SHIVANI SAHU																	
731	SUNIL KUSHWAHA																	
732	TEJASWINI																	
733	SWATI THAKRE																	
734	TITU GANAVA																	
735	RANJEET																	
736	PRIYANKA BHATI																	
737	ANURAJ SINGH BAGRI																	
738	SHAKTI SINGH BHURIYA																	
739	DHARMENDRA SINGH																	
740	SUNIL REKWAL																	
741	SACHIN PATEL																	
742	RANJITA DAMOR																	
743	AKANKSHA GAUTAM																	
744	PREETI KUMRAWAT																	
745	ADITYA PANCHESHWAR																	
746	AALOK PANWAR																	
747	AYUSH RAUTEL																	
748	NIKHIL RAHANGDALE																	
749	ARTI SAHU																	
750	NEETU SIMAIYA																	

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GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 07/12/2019 TO 26/12/2019

CERTIFICATE COURSE ON ENTRPRENEURSHIP DEVELOPMENT CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I YEAR

YEAR - 2019-2020 (Batch - 6)

S.No.	STUDENTS NAME	07-Dec	09-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	23-Dec	24-Dec	26-Dec
751	MAHAK TIWARI																
752	CHANCHAL MEENA																
753	TARUNA PATEL																
754	SHUBHAM KUMAR PATEL																
755	AJAY KUMAR																
756	ATUL CHAWLE																
757	SOHAN MALAKAR																
758	LAKHAN PATHONDIYA																
759	ARUN KUMAR SAKET																
760	VIJESH																
761	PANKAJ GEHLOT																
762	KIRAN DASORIYA																
763	AMAN MERAVI																
764	PRAMOD KUMAR KUSHWAHA																
765	PRACHI																
766	SHEETAL MEDA																
767	BALVEER RAWAT																
768	RAHUL SOLANKI																
769	VIVEK GOME																
770	HIRDESH MEENA																
771	ANCHAL MISHRA																
772	ARUN																
773	VANI JHA																
774	SACHIN MALVIYA																
775	ISHWAR DINDOR																
776	KAJAL																
777	HARSHITA SAKWAR																

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778	RICHA SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
779	RADHIKA BHADRAWALE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
780	RISHABH DWIVEDI	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P
781	RAJEEV KUMAR GUPTA	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P
782	PRASHANT TIWARI	P	P	A	P	P	P	A	A	P	P	P	P	P	P	A	P
783	JAYESH KUMAR	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
784	POOJA TAMBE	P	A	P	P	P	P	P	P	A	P	P	P	P	P	A	P
785	RASHI VISHWAKARMA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
786	JITENDRA DODWA	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P
787	CHETNA MARU	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
788	UMANSH TIWARI	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
789	AASHI CHARLES	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
790	JITENDRA JAMARE	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P
791	RITU DAWRE	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
792	SHEETAL DAWRE	P	P	A	P	P	A	P	P	P	P	A	P	P	P	A	P
793	AYUSHI WAGHMODE	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P
794	CHETAN MALVIYA	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
795	FARUKH KHAN	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
796	ARSHI SHAIKH	P	A	P	P	P	P	P	P	P	P	P	A	P	P	A	P
797	SHRAVI JAIN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
798	ARUN MOURYA	A	P	A	P	P	P	P	P	P	P	P	P	A	P	P	A
799	SHIVANI MATHANIYA	P	P	P	A	P	A	P	P	P	P	P	A	P	P	P	P
800	PRIYANKA KANESH	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
801	SAUMYA MISHRA	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
802	PURVA MITTAL	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
803	ANKIT KAMDAR	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
804	VAISHNAVEE	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
805	YASHDEEP PATIDAR	P	P	P	P	A	P	P	P	A	P	P	A	P	P	A	P
806	ARUSHI DHINGRA	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
807	PRANJAL JAIN	A	P	P	P	P	A	P	A	P	P	A	P	P	P	P	P
808	YOGITA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
809	MANSI PATIDAR	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P

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810	ABHISHEK KUMAR SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
811	AADITAY MALVIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
812	ROSHNI MAWER	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
813	PRASHANT PARIHAR	P	P	P	P	P	A	P	P	P	A	P	A	P	P	P	P
814	SHIVANI PURI	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P
815	SHREYA SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
816	JAYESH RATHOD	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P
817	AKRITI SHAH	P	P	P	P	P	A	P	A	P	P	P	P	P	A	P	P
818	PRACHI SHARMA	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P
819	PRASIDDHI TARE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
820	HARSH YADAV	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
821	SRAJAL YADAV	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P
822	DEEPAK AHIRWAR	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P	P
823	VIDHI BILLORE	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
824	MUSKAN BAIRAGI	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
825	SUMIT DETHLIYA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
826	PIYUSH MARU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
827	DHANYWAD SHUKLA	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A
828	MONIKA SAHU	P	P	A	P	P	A	A	P	P	P	A	P	P	P	A	P
829	SANSKAR SONI	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
830	MANJU BARDE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
831	SAKSHI RAJPOOT	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
832	KESHAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
833	ESHU KHEDKAR	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P
834	PRIYA KUMRAWAT	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P
835	PRASHANT KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
836	SANJAY	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
837	AKASH LONI	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P
838	LALI SONI	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P
839	BHAWANA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
840	ANKITA LONI	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P
841	TEENA MARKO	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P

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842	SANA QURESHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
843	SHEETAL CHOUDHARY	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
844	SHASHANK PATERIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
845	VISHAL DAMOR	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
846	ASHISH JAMRA	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P
847	HARSH NANDAGOULI	P	P	P	A	P	P	A	P	P	P	A	P	P	P	A	P
848	PREETI BHAGAT	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
849	HARSH SHOBHANE	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
850	ARVIND AHORIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
851	KHUSHBOO DHADKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
852	KULDIP PATIDAR	P	A	P	P	P	P	A	P	A	P	P	P	P	P	P	P
853	RAVIKANT CHOUDHARY	P	P	P	P	A	P	P	A	P	P	A	P	P	P	P	P
854	JAHNAVI SHIVHARE	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
855	SARIKA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A
856	RAGINI ROMDE	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
857	RAHUL	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
858	AISHWARY KHARADI	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A
859	PRERNA TANK	P	P	P	P	P	P	A	P	A	P	P	P	P	A	P	P
860	NIKITA BAGHEL	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P
861	PRIYA BHOPTE	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
862	CHETNA SISODIYA	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P
863	TANIYA JOSHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
864	MAHENDRA HARIYALE	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A	P
865	VIJAY	P	P	A	P	P	A	P	P	P	P	P	P	A	P	P	P
866	PRADEEP BAJHAIYA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
867	BHANUPRATAP AMRUTE	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	A
868	SONALI VANSHKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
869	ANUP CHOPDE	P	P	A	P	P	A	P	P	P	P	P	P	P	A	A	P
870	SURAJ KHERIYA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
871	AYUSHI RANAWAT	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P
872	MANISHA DONGRE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
873	RAVINDRA	A	P	P	P	P	A	P	P	P	P	P	A	A	A	P	P

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874	SHUBHAM SHUKLA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
875	SANDHYA PARTE	P	P		P	P	P	P	P	P	P	P	P	P	P	A	P
876	ESHA CHOUHAN	P	A	P	P	P	P	P	P	A	P	P	A	P	P	P	P
877	ROSHNI	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P
878	SACHIN SAHU	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P
879	POOJA NASKAR	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P
880	ARUN	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
881	AMISHA PATEL	P	P	A	P	P	P	P	P	P	A	P	P	P	A	P	P
882	ANKIT DAWAR	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
883	SANJEEV KUMAR KUSHWAH	P	P	P	P	P	A	P	A	P	P	P	A	A	P	P	P
884	MONIKA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
885	ASHISH GAWLE	P	P	P	P	P	P	P	P	A	P	A	P	P	A	P	P
886	RAHUL MEWADA	P	A	P	P	A	P	A	P	P	P	P	P	A	P	P	P
887	JYOTI RATHORE	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A
888	KOKILA NALWAYA	P	P	P	P	P	A	P	P	P	P	P	A	P	P	A	P
889	KAMLESH	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
890	RAGHAV SHARMA	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P
891	VIKASH KARODE	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A
892	MAYURI BHANGE	P	P	P	P	P	P	A	P	P	P	A	P	A	P	P	P
893	DEVENDRA WALKE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
894	DIVYA WASURE	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
895	SOHAN PATIDAR	P	P	P	P	P	A	P	P	P	P	P	A	A	P	P	P
896	BABLU BHARGAV	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
897	JYOTI VISHWAKARMA	P	P	A	P	P	P	P	P	P	A	P	P	A	P	P	P
898	TANAYA SAHARE	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A
899	ROSHNI GEHLOD	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P
900	SIDDHANT KURMI	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	A

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Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 07/12/2019 TO 26/12/2019

CERTIFICATE COURSE ON ENTRPRENEURSHIP DEVELOPMENT CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I YEAR

YEAR - 2019-2020 (Batch - 7)

S.No.	STUDENTS NAME	07-Dec	09-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec	23-Dec	24-Dec	26-Dec
901	PRIYANKA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
902	RAJESHWARI BHATI	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
903	MITALI GUPTA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
904	MEGHA YADAV	P	A	P	P	P	P	A	P	P	A	P	P	P	P	A	P
905	TANISHA MALAKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
906	ANANYA PANDEY	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P
907	PALSHREE RATHORE	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
908	SRISHTI SONI	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	A
909	SANDHYA TAGORE	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
910	ARPIT BAGHEL	P	P	P	P	P	P	A	P	P	P	P	P	A	P	A	P
911	SACHENDRA PATEL	P	P	P	A	P	P	P	A	P	A	P	P	P	P	P	P
912	VARSHA JAT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
913	NIKITA PRAJAPATI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
914	GAJENDRA	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P	A
915	YOGITA SOLANKI	A	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P
916	SUMIT VYAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
917	TASTI BELA	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P
918	SWATI MANDLOI	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
919	YASH JOUNWAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
920	SHIVANI KOTHE	P	P	P	A	P	P	P	P	A	A	P	P	P	P	P	P
921	SHANU MANGULE	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
922	SUDHA MAURYA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
923	VAISHALI MISHRA	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P
924	PRIYANKA PATIDAR	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
925	HARSH SHARMA	A	P	A	P	P	P	P	P	A	P	P	P	P	P	A	P
926	PRIYANKA SOLANKI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
927	HARISH SUNARTHI	P	P	P	P	P	P	P	A	P	A	P	A	P	P	P	P

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928	MOHIT MOURYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
929	DEEPTI DUBEY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
930	SEJAL SHARMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
931	MUSKAN SINGH	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A
932	NILOFER ALI	P	A	P	P	P	P	P	A	P	A	P	P	P	A	A	P
933	JITENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
934	SALONI BARIYA	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A
935	NIKITA KADAM	A	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P
936	BHAVNA PRAJAPATI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
937	DIKSHA TURKAR	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
938	ANJALI GOLE	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A
939	DIPANSHU PATLE	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P
940	DURGA ATUDE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
941	METALI PAWAR	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P
942	AMAN VISHWAKARMA	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
943	BHUMIKA BILWAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
944	UJJWAL GUPTA	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P
945	DIVYA VERMA	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P	P
946	ASHUTOSH PUNASE	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	A
947	MONIKA CHUNDAWAT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
948	RANJEET KUMAR GUPTA	A	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P
949	SWATI BAGHEL	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A
950	RAHUL RAWAT	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
951	JATIN YADAV	P	A	P	P	P	A	P	P	P	P	P	P	P	P	A	P
952	NEHA BHUSHAN	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
953	PRANJUL BAUDDH	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	A
954	VAISHNAVI PATIDAR	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
955	VIBHANSHU AHIRWAR	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
956	ABHISHEK SHARMA	A	P	P	P	A	P	P	A	P	P	A	P	P	P	P	P
957	YUVRAJ	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
958	RAVINDRA VISHVKARMA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
959	SHREYA CHOUHAN	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	A

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960	Deepesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
961	VIRENDRA SUNER	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
962	VISHAKHA JAIN	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
963	MAYANK MEHRA	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A
964	ISHNA ZURANGE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
965	ASHUTOSH TIWARI	A	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P
966	ANJALI CHIMNANI	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P
967	MANYA MEHRA	P	A	P	P	A	P	P	P	A	P	P	A	P	P	P	A
968	RIYA PANJRE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
969	PRATEEK SINGH RAJPOOT	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
970	SOUMYA DASS	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
971	ATISHAY JAIN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
972	DEEPAK KUMAR GORYA	P	P	A	P	P	P	A	A	P	P	P	P	P	P	A	P
973	RASHMI GORYA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P
974	SWATI	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P
975	HARSHITA CHOUKSEY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
976	PRACHI PATEL	A	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P
977	SHIVANI SINGH BAGHEL	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P
978	KARMANYA KACHOLE	P	P	P	P	P	P	A	P	P	P	P	A	P	P	A	P
979	PRAGYA GUPTA	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
980	BHARTI JAT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
981	SHIVANI PATIDAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
982	PAWAN KUMAR DANGI	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
983	ATUL KUMAR GUPTA	P	P	P	P	P	P	A	A	P	P	P	P	P	P	A	P
984	SAKSHI SAHU	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
985	AMEY VAIJAPURKAR	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
986	VISHAL PATEL	P	P	A	P	P	A	P	P	A	P	A	P	A	P	P	P
987	ABHISHEK PRAJAPATI	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P
988	JAYMAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
989	TARUNA DHOTE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
990	ADITI BILWAL	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
991	SOURABH GANESHE	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P

Signature of Convener

992	DOLLY GAUTAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
993	ADITYA DUBEY	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
994	SONIYA PALIWAL	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
995	HARSHRAJ SINGH TOMAR	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
996	ANJALI CHIMNANI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
997	MANYA MEHRA	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
998	RIYA PANJRE	A	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P
999	PRATEEK SINGH RAJPOOT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1000	RAHUL MEWADA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Convener

8.4 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for completion of Value-added certificate course in the session 2019-2020.

Respected Sir,

A value-added certificate course on ***"Entrepreneurship Development"*** was organized by Department of English successfully in the session 2019-2020. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Kindly find enclosed: List of Students

Course Coordinator
Department of English

Head
Department of English
Govt. Holkar Science College,
Indore (M.P.)

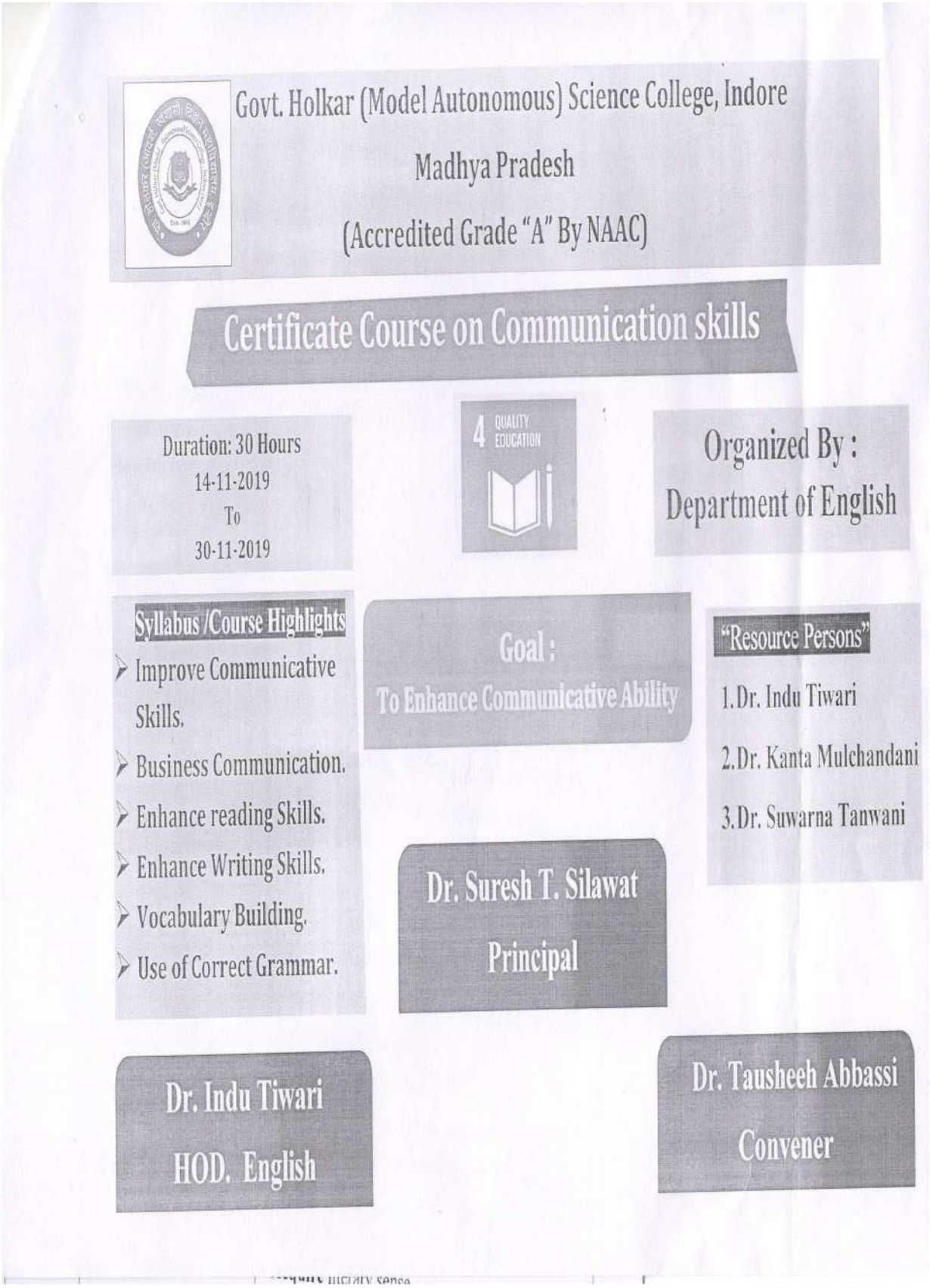
Verified by IQAC

IQAC Coordinator
Government Holkar (Model) Autonomous
Science College, Indore

9.

Value Added Course on English Communication

9.1 Brochure: -


Govt. Holkar (Model Autonomous) Science College, Indore
Madhya Pradesh
(Accredited Grade "A" By NAAC)
Certificate Course on Communication skills
Duration: 30 Hours
14-11-2019
To
30-11-2019
4 QUALITY EDUCATION
Organized By :
Department of English
Syllabus /Course Highlights
Improve Communicative Skills.
Business Communication.
Enhance reading Skills.
Enhance Writing Skills.
Vocabulary Building.
Use of Correct Grammar.
Goal :
To Enhance Communicative Ability
"Resource Persons"
1. Dr. Indu Tiwari
2. Dr. Kanta Mulchandani
3. Dr. Suwarna Tanwani
Dr. Suresh T. Silawat
Principal
Dr. Indu Tiwari
HOD. English
Dr. Tausheeh Abbassi
Convener

9.2 Syllabus: -

Government Holkar (Model Autonomous) Science College, Indore
Department of English
Certificate Course in Communication Skills – (2019-2020)
Duration – 14/11/2019 to 30/11/2019
Syllabus

Name of Paper : Communication Skills
Maximum Marks : 25
Duration : 30 Hours

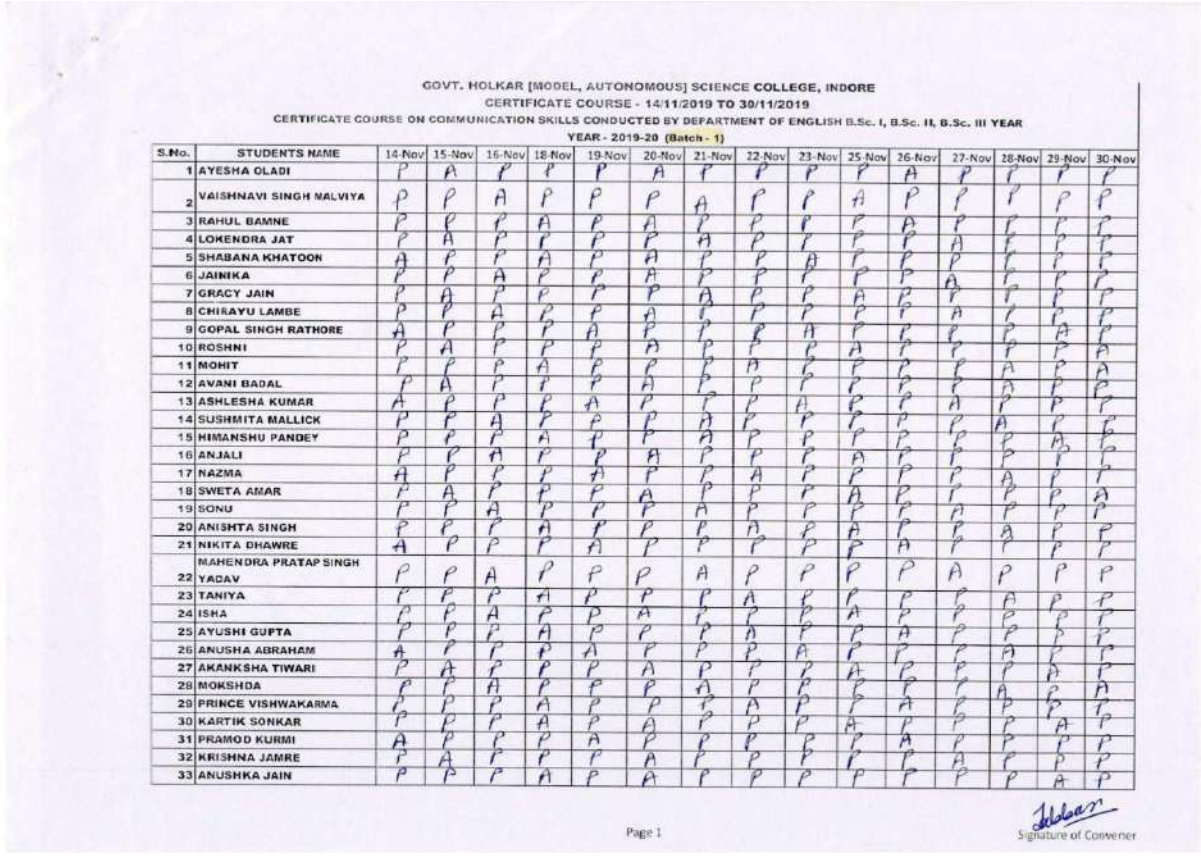
1.	Pre-Requisite (if any)	To improve the communication skills of the students.
2.	Course Learning Outcomes(CLO)	**Course Objective -** To develop the comprehensive skills of students in listening, speaking, reading and writing (LSWR), by giving the knowledge of phonetics and linguistics.
3.		**Course Outcome** - The study of this course will **enable** the students to **acquire** the knowledge of • Communication Skills and Conversational English • Syntax and Structure • Vocabulary and Discourse The students will be **able to acquire** linguistic and communication competence in real-life situations with effective language skills. The course will also help them to • **Acquire** literary sense • Use idiomatic and lexical language and • **Communicate effectively** across the globe

Jabbasi

I	**I. Communication** What is communication? Its meaning, types and purpose in the age of globalization. Communicative needs and problems. Rules of use of a language, Use of appropriate words. Communicative approach, lexical approach.
II	**II. Practising Listening Skills, Reading and Understanding Skills** Types of Listening. Tips for effective listening . Listening to Radio and TV news, discussion. Listening to Talks and presentations. Different Reading Techniques. Reading newspapers, analysis and interpretation.
III	**III. Practising Writing Skills.** Formal and informal writing of letters and invitation. Meeting minutes, official orders and appointments.
IV	**IV. Grammar.** Parts of Speech. Direct and Indirect Speech. Active and Passive Voice.
V	**V. Practising Writing Skills.** Report writing, writing daily routine. Situational conversation between two friends on different topics.

Jakbar

9.3 Students List: -



GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE
CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019
CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR
YEAR - 2019-20 (Batch - 1)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
1	AYESHA OLADI	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P
2	VAISHNAVI SINGH NALVIYA	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P
3	RAHUL BAMNE	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P
4	LOKENDRA JAT	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P
5	SHABANA KHATOON	A	P	P	A	P	A	P	P	A	P	P	P	P	P	P
6	JAINIKA	P	P	A	P	P	A	P	P	P	P	P	A	P	P	P
7	GRACY JAIN	P	A	P	P	P	P	A	P	P	A	P	P	P	P	P
8	CHIRAYU LAMBE	P	P	A	P	P	A	P	P	P	P	P	A	P	P	P
9	GOPAL SINGH RATHORE	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P
10	ROSHNI	P	A	P	P	P	A	P	P	P	A	P	P	P	P	A
11	MOHIT	P	P	P	A	P	P	P	A	P	P	P	P	A	P	A
12	AVANI BADAL	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P
13	ASHLESHA KUMAR	A	P	P	P	A	P	P	P	A	P	P	A	P	P	P
14	SUSHMITA MALLICK	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P
15	HIMANSHU PANDEY	P	P	P	A	P	P	A	P	P	P	P	P	P	A	P
16	ANJALI	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P
17	NAZMA	A	P	P	P	A	P	P	A	P	P	P	P	A	P	P
18	SWETA AMAR	P	A	P	P	P	A	P	P	P	A	P	P	P	P	A
19	SONU	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P
20	ANISHTA SINGH	P	P	P	A	P	P	P	A	P	A	P	P	A	P	P
21	NIKITA DHAWRE	A	P	P	P	A	P	P	P	P	P	A	P	P	P	P
22	MAHENDRA PRATAP SINGH YADAV	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
23	TANIYA	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
24	ISHA	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P
25	AYUSHI GUPTA	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P
26	ANUSHA ABRAHAM	A	P	P	P	A	P	P	P	A	P	P	P	A	P	P
27	AKANKSHA TIWARI	P	A	P	P	P	A	P	P	P	A	P	P	P	A	P
28	MOKSHDA	P	P	A	P	P	P	A	P	P	P	P	P	P	P	A
29	PRINCE VISHWAKARMA	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P
30	KARTIK SONKAR	P	P	P	A	P	A	P	P	P	A	P	P	P	A	P
31	PRAMOD KURMI	A	P	P	P	A	P	P	P	P	P	A	P	P	P	P
32	KRISHNA JAMRE	P	A	P	P	P	A	P	P	P	P	P	A	P	P	P
33	ANUSHKA JAIN	P	P	P	A	P	A	P	P	P	P	P	P	P	A	P

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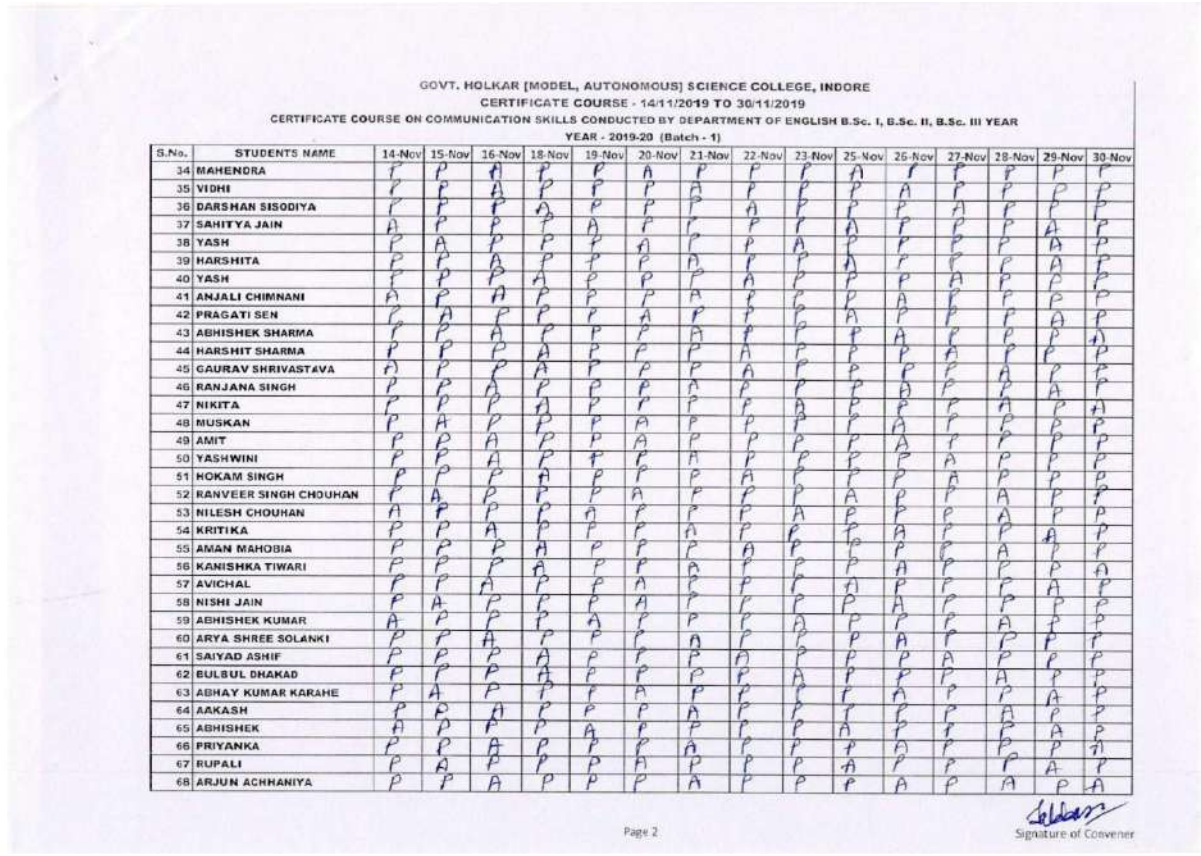
Signature of Convener



GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE
CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019
CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR
YEAR - 2019-20 (Batch - 1)

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34	MAHENDRA	P	P	A	P	P	A	P	P	P	A	P	P	P	P	P
35	VIDHI	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P
36	DARSHAN SISODIYA	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
37	SAHITYA JAIN	A	P	P	P	A	P	P	P	P	A	P	P	P	A	P
38	YASH	P	A	P	P	P	A	P	P	A	P	P	P	P	A	P
39	HARSHITA	P	P	A	P	P	P	A	P	P	A	P	P	P	A	P
40	YASH	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
41	ANJALI CHIMNANI	A	P	A	P	P	P	A	P	P	P	A	P	P	P	P
42	PRAGATI SEN	P	A	P	P	P	A	P	P	P	A	P	P	P	A	P
43	ABHISHEK SHARMA	P	P	A	P	P	P	A	P	P	P	A	P	P	P	A
44	HARSHIT SHARMA	P	P	P	A	P	P	P	A	P	P	P	A	P	P	A
45	GAURAV SHRIVASTAVA	A	P	P	A	P	P	P	A	P	P	P	P	A	P	P
46	RANJANA SINGH	P	P	A	P	P	P	A	P	P	P	A	P	P	A	P
47	NIKITA	P	P	P	A	P	P	P	P	A	P	P	P	A	P	A
48	MUSKAN	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P
49	AMIT	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P
50	YASHWINI	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
51	HOKAM SINGH	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
52	RANVEER SINGH CHOUHAN	P	A	P	P	P	A	P	P	P	A	P	P	P	A	P
53	NILESH CHOUHAN	A	P	P	P	A	P	P	P	A	P	P	P	A	P	P
54	KRITIKA	P	P	A	P	P	P	A	P	P	P	A	P	P	A	P
55	AMAN MAHOBIA	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
56	KANISHKA TIWARI	P	P	P	A	P	P	A	P	P	P	A	P	P	P	A
57	AVICHAL	P	P	A	P	P	A	P	P	P	A	P	P	P	A	P
58	NISHI JAIN	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P
59	ABHISHEK KUMAR	A	P	P	P	A	P	P	P	A	P	P	P	A	P	P
60	ARYA SHREE SOLANKI	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P
61	SAIYAD ASHIF	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
62	BULBUL DHAKAD	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P
63	ABHAY KUMAR KARAHE	P	A	P	P	P	A	P	P	P	P	A	P	P	A	P
64	AAKASH	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P
65	ABHISHEK	A	P	P	P	A	P	P	P	P	A	P	P	P	A	P
66	PRIYANKA	P	P	A	P	P	P	A	P	P	P	A	P	P	P	A
67	RUPALI	P	A	P	P	P	A	P	P	P	A	P	P	P	A	P
68	ARJUN ACHHANIYA	P	P	A	P	P	P	A	P	P	P	A	P	A	P	A

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YEAR - 2019-20 (Batch - 1)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
69	PRACHI BHAUTEKAR															
70	SATYAM GARG															
71	AMIT															
72	CHANDAN KUMAR BAIS															
73	RAKHI SHUKLA															
74	RITU RAJ SONI															
75	AADIL															
76	ANAS															
77	ARUN															
78	DEEPESH PANDEY															
79	AFROJ															
80	SAHIL KHAN															
81	SHREYA GAUR															
82	ANIKET DANGI															
83	SIHAN LAL															
84	PRADEEP MARU															
85	RAVI PATEL															
86	NEHA VERMA															
87	PANKAJ															
88	GOVIND PATIDAR															
89	RAJESHWARI															
90	ANIL															
91	AAKANKSHA															
92	RAHUL AJNAR															
93	SACHIN DAWAR															
94	RAHUL BHILALA															
95	PRADUM SARIYAM															
96	SANGITA PATIL															
97	ROHIT MEENA															
98	VISHAL NAGAR															
99	GANGARAM															
100	SHIVAM KUMAR GUPTA															
101	ABHISHEK SHRIWAS															
102	SATYENDRA THAKUR															
103	AVDHESH PARASTE															

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104	RAJENDRA															
105	PREETI GOSWAMI															
106	ANKUSH JAT															
107	RAHUL SINGAD															
108	JANVI KHARPUSE															
109	MAHESH VERMA															
110	VALLABHA GURJAR															
111	SAKSHI															
112	RAKHI PARMAR															
113	AYUSHI															
114	JYOTI															
115	KIRAN DAYMA															
116	VIVEK VERMA															
117	NEHA YADAV															
118	ANURAG															
119	SANDEEP PARMAR															
120	RAMNARAYAN RATHOUR															
121	LOKESH KUMAR															
122	GIRRAJ DHAKAD															
123	SANJAY															
124	ROHIT KUMAR															
125	HARSHIT RAGHUWANSHI															
126	ANUJ PRATAP SINGH															
127	NISHA SAMEDIYA															
128	ARTI LODHI															
129	KUNDAN CHOUHAN															
130	HARSH SINGH CHOUHAN															
131	KANCHAN															
132	AAKASH															
133	NARAYAN															
134	SONU KUMAWAT															
135	MUSKAN MATHANIYA															
136	SANJAY															
137	MAHESH															
138	ANJALI															

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YEAR - 2019-20 (Batch - 1)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
139	KAJOL PHERWANI	P	A	P	P	A	P	P	P	P	P	A	P	P	P	A
140	SHREERAM DHAKAD	A	P	A	P	P	P	A	P	P	P	P	P	P	A	P
141	RAJU SINGH	P	A	P	P	P	A	P	P	P	P	P	A	P	A	A
142	SURENDRA AJNAR	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P
143	SANJAY	A	P	P	P	A	P	P	P	A	P	P	P	A	P	P
144	ADITI SURYAWANSHI	P	P	A	P	P	P	P	A	P	A	P	P	P	A	P
145	AMAN KUMAR SHUKLA	A	P	P	P	A	P	A	P	P	P	P	A	P	P	P
146	SHIVANI PATIDAR	P	A	P	P	P	A	P	A	P	P	P	P	A	P	P
147	SONU MOURYA	P	P	A	P	P	P	A	P	P	P	P	P	P	A	P
148	DEEPAK PATIDAR	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P
149	AMIT	A	P	P	P	A	P	P	P	P	A	P	P	A	P	P
150	NIDHI	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P
151	VIPIN DWIVEDI	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P
152	ABHISHEK	A	P	P	P	P	A	P	P	P	A	P	P	P	P	A
153	NAMIT KANNAUJIA	P	A	P	P	P	A	P	P	A	P	P	P	A	P	P
154	PINKESH CHOUDHARY	A	P	P	P	A	P	P	P	P	P	A	P	P	P	P
155	MAHIMA SHUKLA	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
156	SHIVAM TIWARI	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P
157	SADHNA PATEL	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P
158	YASHPAL YADAV	P	A	P	P	P	A	P	A	P	P	P	P	P	P	P
159	PRABHAT CHAURASIYA	P	P	A	P	A	P	P	P	P	P	A	P	P	A	P
160	ANIL SOLANKI	P	P	P	A	P	A	P	A	P	P	P	P	A	P	P
161	AAKASH UIKEY	P	P	A	P	P	P	A	P	A	P	P	P	A	P	P
162	KUNDAN THAKUR	A	P	P	A	P	A	P	A	P	A	P	P	P	P	A
163	ANCHAL RANA	P	P	A	P	P	P	A	P	P	P	P	A	P	A	P
164	KARTIK	A	P	P	P	A	P	P	A	P	P	P	P	A	P	P
165	KIRTI	P	P	P	A	P	P	A	P	A	P	P	P	P	A	P
166	AADARSH JAIN	P	A	P	A	P	A	P	P	P	P	A	P	P	P	P
167	DEVRAJ	A	P	P	P	P	P	A	P	P	P	P	A	P	A	P
168	DEEPAK	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
169	MAYANK	A	P	P	P	A	P	A	P	P	P	A	P	P	P	P
170	DINESH	P	P	A	P	P	P	P	A	P	P	P	P	P	A	P
171	ABHISHEK	A	P	P	P	P	A	P	P	P	P	P	A	A	P	P
172	POONAM AHIRWAR	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P
173	AAKANKSHA KHANNA	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P

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174	YASHRAJ JASONA	A	P	P	P	P	P	P	P	P	P	A	P	P	A	P
175	MAHAVEER	P	P	A	P	P	A	P	P	A	P	P	P	P	P	P
176	MUKESH KUMAR	P	A	P	A	P	P	P	P	P	A	P	P	P	P	P
177	AJAY TONGRE	A	P	A	P	P	P	P	P	A	P	P	P	P	A	P
178	KRISHNA KUMAR	P	P	P	P	A	P	P	P	P	A	P	A	P	P	P
179	AJAY BADODE	P	P	A	P	P	A	P	P	A	P	P	P	P	P	A
180	DEEPALI PATEL	P	A	P	A	P	P	P	P	P	P	A	P	P	P	P
181	YASHISH	A	P	A	P	P	P	P	A	P	A	P	P	P	P	P
182	VISHNUJIT	P	P	P	P	A	P	A	P	P	P	A	P	P	P	P
183	ABHISHEK RAO	P	P	A	P	P	P	P	P	P	A	P	P	P	A	P
184	RAJENDRA	A	P	P	P	A	P	A	P	P	P	A	P	P	P	A
185	TANU	P	A	P	A	P	P	P	A	P	P	P	A	P	P	P
186	MOUSAM DESHMUKH	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P
187	MADHU	P	P	P	A	P	P	P	A	P	A	P	P	P	P	P
188	LAKSHYA	P	A	P	P	P	A	P	A	P	P	A	P	P	A	P
189	DIPESH PATIDAR	A	P	P	P	A	P	A	P	P	P	P	P	P	P	P
190	ARVIND MOHKAR	P	P	A	P	P	P	P	P	P	A	P	P	A	P	P
191	SONIKA	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P
192	SOUMYA	A	P	P	P	P	A	P	A	P	P	A	P	P	P	P
193	MEGHA MAHESHWARI	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P
194	LAKHANLAL KATARIYA	P	A	P	P	A	P	P	P	P	A	P	P	P	A	P
195	ANJALI PATHAK	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P
196	KHUSHBOO GOSWAMI	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P
197	NIHARIKA BAGHEL	P	P	P	A	P	P	A	P	P	A	P	P	A	P	P

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YEAR - 2019-20 (Batch - 2)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
198	VINAY	P	P	P	A	P	P	A	P	P	P	P	P	P	A	P
199	SADGEE BHAWSAR	A	P	A	P	P	P	P	P	A	P	P	P	P	P	P
200	RAVI RAJ	P	A	P	P	P	P	A	P	P	P	A	P	P	A	P
201	HIMANSHI SHRIVASTAVA	A	P	P	P	A	P	P	P	A	P	P	P	P	P	A
202	TANUPRIYA TAILOR	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P
203	AYUSH JOSHI	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P
204	ANJALI GUPTA	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P
205	PRIYANSHI	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
206	ANUPRIYA	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P
207	KRATIKA	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P
208	ANUSHKA RAI	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P
209	AMIT PATIDAR	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P
210	EKTA THAKUR	P	P	P	A	P	A	P	P	P	A	P	P	P	P	A
211	CHINMAY YADAV	A	P	P	P	A	P	P	P	A	A	P	P	P	P	A
212	SURMAL	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
213	MADHULIKA	P	A	P	A	P	P	A	P	P	A	P	P	P	P	P
214	SHIVANI	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
215	VIDAYA SOLANKI	A	P	P	P	P	A	A	P	P	P	A	P	P	P	A
216	Nagesh Patidar	P	P	A	P	P	A	P	A	P	P	P	P	P	A	P
217	PRIYANSHI PANDEY	P	A	P	A	P	P	A	P	A	P	P	A	P	P	P
218	SAKSHI PATIDAR	A	P	P	P	P	A	P	P	P	A	P	P	P	P	A
219	GAURAV SINGH THAKUR	P	A	P	P	A	P	P	P	P	P	A	A	P	A	P
220	GREESHAM SEN	P	P	A	P	P	P	A	P	P	P	P	P	P	P	A
221	RANI	A	P	P	A	P	P	P	A	P	P	P	A	P	P	P
222	HARIRAM KUMAWAT	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P
223	PRITAM DUDWE	A	P	P	P	A	P	P	P	A	P	P	A	P	P	P
224	RAJNEE	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P
225	DIVYANSHI	A	P	P	A	P	P	P	A	P	P	P	A	P	P	P
226	SHUBHAM KANADE	P	P	A	P	P	A	P	P	A	P	P	P	P	A	P
227	BHUPENDRA MOURY	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P
228	REENA	P	A	P	P	P	A	P	A	P	P	P	P	P	A	P
229	VIVEK BHUTE	A	P	A	P	P	P	P	P	A	P	P	A	P	P	P
230	NEERAJ SITOLIYA	P	A	P	A	P	P	P	P	P	P	A	P	A	P	P
231	ASHWINI PATIL	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P
232	AJAY	A	P	P	P	P	A	P	P	P	P	P	P	A	A	P

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233	NIKITA	P	P	A	P	P	P	A	P	P	P	A	P	P	P	A
234	TANU	P	A	P	P	P	P	P	A	P	P	P	A	P	P	P
235	TANISHA	A	P	P	P	P	P	P	P	P	P	A	P	P	A	P
236	VIKASH KADOLE	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P
237	AARTI KANOJE	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P
238	RESHU	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
239	SHEETAL VERMA	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P
240	NIRMAL	A	P	P	P	P	A	P	P	A	P	P	P	P	P	A
241	PAYAL GANGRADE	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
242	SHARAD KARPENTER	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
243	UMESH BAWNIYA	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P
244	VAISHNAVI	P	A	P	P	A	P	P	P	P	P	P	P	A	P	P
245	ARPAN	P	P	P	P	P	A	P	P	A	P	P	A	P	P	P
246	PRIYA	P	P	A	P	P	P	A	P	P	P	A	P	P	A	P
247	ANSHUKA	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
248	RAVI NAGAR	A	P	P	P	A	P	P	P	P	P	A	P	A	P	P
249	DIPANSHU SINGH	P	P	P	P	P	A	P	A	P	P	P	A	P	P	A
250	SANJANA THAKUR	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P
251	PANKAJ YADAV	P	A	P	P	P	A	P	P	P	A	P	P	P	P	A
252	SHRADDHA	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
253	AYUSH PORWAL	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
254	SOMESH KUMAR	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P
255	SANGEETA MAIDA	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
256	SATISH MHOBIYA	P	P	P	A	P	P	P	P	A	P	P	P	P	P	A
257	ADARSH SHUKLA	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P
258	BALRAM PRAJAPAT	A	P	P	P	A	P	P	P	P	A	P	P	P	P	A
259	PUSHPENDRA BHIDE	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
260	VISHAL NAGAR	P	A	P	A	P	P	P	A	P	P	P	P	A	P	P
261	MAHIMA CHOUREY	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P
262	PAWAN	P	P	A	P	P	P	A	P	P	P	A	P	P	P	A
263	JITENDRA	A	P	P	P	A	P	P	P	A	P	P	P	A	P	P
264	KAMAL MUVEL	P	P	P	A	P	P	P	A	P	P	A	P	P	A	P
265	SHIMLA THAKUR	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
266	TRIVENI	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P
267	PRAVIN	A	P	P	P	P	A	P	P	P	P	A	P	P	P	A

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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YEAR - 2019-20 (Batch - 2)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
268	NILESH	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P
269	YUVRAJ	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P
270	VIKAS	P	A	P	P	P	A	P	P	P	A	P	P	A	P	P
271	DEEPESH PATEL	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P
272	NIVENDRA	P	P	A	P	P	P	A	P	P	P	A	P	P	P	A
273	RAJKUMAR KORI	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P
274	BAISHALI BHATT	P	A	P	P	P	P	A	P	P	P	A	P	P	A	P
275	MAHENDRA	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
276	SACHIN	P	P	A	P	P	P	A	P	P	A	P	P	P	P	P
277	AANAND HIRVA	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
278	VINEET KUMAR MEHRA	A	P	P	P	A	P	P	P	A	P	P	P	A	P	P
279	HEENA	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P
280	RUPESH	P	A	P	P	P	A	P	P	P	P	P	A	P	P	A
281	AYUSH	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P
282	PRERNA PANTHI	P	P	A	P	P	P	A	P	P	P	P	A	P	A	P
283	VISHAL MISTRI	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
284	NEHA PATEL	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P
285	KAMLESH DANGI	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P
286	CHETAN	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P
287	JAYESH CHOUHAN	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P
288	ADITYA VERMA	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A
289	HARSHALI	A	P	P	P	P	A	P	P	P	A	P	P	P	A	P
290	MANISHA	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
291	KUNIKA	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
292	CHETANA	P	A	P	P	A	P	P	P	A	P	P	A	P	P	P
293	SHIVANI BADODIYA	P	P	P	P	P	A	P	P	P	P	A	P	P	P	A
294	RITIKA BHAMORIYA	P	P	A	P	P	P	A	P	P	P	A	P	A	P	P
295	MOHIT PORWAL	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P
296	DIVYANI SAHU	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P
297	POOJA SISODIYA	P	A	P	P	A	P	P	P	A	P	P	P	P	A	P
298	BHOJ RAJ SINGH SENGAR	P	P	A	P	P	P	A	P	P	P	A	P	P	P	A
299	NIDHI SONI	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P
300	SARITA VISHWAKARMA	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
301	AMIT GOUD	P	A	P	P	A	P	P	P	P	A	P	P	P	P	A
302	PAYAL SONI	A	P	P	P	P	P	A	P	P	P	A	P	P	A	P

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GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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303	NARENDRA	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
304	JATIN	A	P	P	P	A	P	P	P	P	A	P	P	P	A	P
305	SHIVANI	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
306	HIMANSHU GURJAR	P	A	P	P	P	A	P	P	P	P	P	P	P	P	A
307	ARJIT PATEL	A	P	P	P	P	P	A	P	P	P	P	P	A	P	P
308	SOURABH SONI	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
309	BANTY PAWAR	P	A	P	P	A	P	P	P	A	P	P	P	P	A	P
310	SUMIT	P	P	P	A	P	A	P	P	P	A	P	P	P	P	P
311	SACHIN	A	P	P	P	A	P	P	P	A	P	P	P	P	P	P
312	VARSHA JAT	P	P	P	P	P	A	P	P	P	A	P	P	A	P	P
313	ANGAR SINGH	P	P	A	P	P	P	P	A	P	A	P	P	P	P	
314	NAMANJEET SINGH AHIRWAR	A	P	P	P	P	A	P	P	P	P	P	A	P	A	P
315	RAHUL	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P
316	SEFALI PATEL	A	P	P	P	P	A	P	P	A	P	P	P	P	A	P
317	SAPNA VERMA	P	P	A	P	P	P	A	P	P	P	A	A	P	P	P
318	RAHUL DANGI	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A
319	SURBHI	P	A	P	P	P	A	P	P	P	A	P	P	P	A	P
320	ANKIT	P	P	P	P	A	P	P	A	P	A	P	P	A	P	P
321	HEMANT SAHU	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
322	SHIVANSHU	A	P	P	P	A	P	P	P	A	P	P	P	P	P	A
323	JYOTI OHRIYA	P	P	P	A	P	A	P	P	P	A	P	P	A	P	P
324	SHIKHA VYAS	P	A	P	P	P	P	P	A	P	P	P	A	P	P	A
325	RASHI JAIN	A	P	P	P	A	P	P	P	P	A	P	P	P	A	P
326	BHURELAL	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P
327	BAHADUR KATARA	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
328	SANDHYA KIRAR	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P
329	MANALI VERMA	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
330	PRACHI	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P
331	PURVASHI VOHRA	P	A	P	P	A	P	P	P	P	A	P	P	A	P	P
332	MEGHA	A	P	P	P	P	A	P	P	P	P	A	P	P	P	A
333	ANKIT	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
334	PRITI MASANE	P	A	P	P	A	P	P	P	A	P	P	P	P	A	P
335	RAVINA ALAWE	P	P	P	A	P	P	P	A	P	P	P	A	P	P	A
336	PAYAL	A	P	P	P	P	A	P	P	P	P	A	P	A	P	P

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GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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337	NARAYAN	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P
338	KAMLESH GEHLOT	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
339	AJEET SINGH PATEL	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P
340	Ashish Dhakad	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
341	ARJUN RATHOR	P	P	A	P	P	P	A	P	P	P	P	A	P	A	P
342	VIJAY SINGH	P	A	P	P	P	A	P	P	P	A	P	P	A	P	P
343	SHIVANI RATHORE	A	P	A	P	P	P	P	A	A	P	P	P	P	P	A
344	AVINASH	P	P	P	A	P	P	P	P	A	P	P	P	P	P	A
345	SACHIN KANESH	P	P	P	P	A	P	P	P	P	P	A	P	A	P	P
346	RUPALI PATIDAR	A	P	P	P	P	A	P	P	P	P	A	P	P	A	P
347	DEEPAK NAMDEV	P	A	P	A	P	P	A	P	P	P	A	P	A	P	P
348	POORNIMA	A	P	P	P	A	P	A	P	A	P	P	P	P	P	A
349	VISHAL	P	P	A	A	P	P	A	P	P	P	P	P	A	P	P
350	SATISH	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P
351	ANJALI	A	P	P	P	P	A	P	P	P	P	A	P	P	P	A
352	KAJAL	P	P	A	P	P	P	P	A	P	A	P	P	P	P	P
353	SOURABH	P	A	P	A	P	P	A	P	P	P	A	P	P	P	P
354	KAVITA	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P
355	YOGESH CHOUDHARY	P	P	A	P	P	P	P	A	P	A	P	P	P	P	P
356	PALAK CHOURASIYA	A	P	P	P	P	A	P	P	A	P	P	P	P	P	A
357	SHIVAM JAT	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P
358	DIVYA KHICHI	P	P	P	A	P	P	P	P	P	A	P	P	A	P	P
359	MANISH MEENA	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P
360	NIDHI RAJA	P	A	P	P	A	P	P	P	A	P	P	P	A	P	P
361	RUPALI SANKADIYA	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P
362	SHALINI SAHU	P	P	A	P	P	P	P	A	P	P	P	P	P	A	P
363	ATUL DONGARE	P	A	P	P	A	P	P	P	A	P	P	P	A	P	P
364	VIPIN KUMAR DEEPANKAR	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
365	SIMRAN	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P
366	AMAN RAJPOOT	A	P	P	P	A	P	P	P	P	A	P	P	P	P	P
367	ANKIT	P	A	P	P	A	P	P	P	A	P	P	P	A	P	P
368	PRIYANKA	A	P	P	P	P	A	P	P	P	P	A	P	P	P	A
369	JYOTI SAHU	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P
370	VIPIN RATHORE	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
371	RANI	P	P	A	P	P	A	P	P	P	P	A	P	P	P	A

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372	SAHIBA	A	P	P	P	P	P	A	P	P	P	A	P	P	P	P
373	AVANI SHUKLA	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
374	RUTVI SHUKLA	P	A	P	A	P	P	P	A	P	P	P	P	P	A	P
375	MINAL KANUNGO	P	P	P	P	A	P	A	P	P	P	A	P	P	P	A
376	ARPIT	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P
377	ROSHNI JAIN	A	P	A	P	P	P	P	P	A	P	P	P	P	A	P
378	SHIVANI	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P
379	AJAY	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
380	RITIK JADHAM	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P
381	ANJALI SOHANI	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P
382	RAJTILAK SINGH RATHOUR	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P
383	GOUTAM MAHESHWARI	P	A	P	P	P	A	P	P	P	P	A	P	P	A	P
384	RIYA MISHRA	P	P	A	P	P	P	A	P	P	A	P	P	A	P	P
385	MANSI VERMA	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
386	AVINASH	A	P	P	P	P	A	P	P	A	P	P	P	P	A	P
387	RAVI PATIDAR	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P
388	AASMI AHIRWAR	P	A	P	A	P	P	P	A	P	P	P	A	P	P	A
389	JYOTI SHINDE	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P
390	SHARADH	A	P	P	A	P	P	P	P	P	A	P	P	P	P	A
391	MAHESH BHIYAJA	P	A	A	P	P	P	A	P	A	P	P	A	P	P	P

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YEAR - 2019-20 (Batch - 3)

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392	SONALI															
393	BALKRISHNA MAL															
394	YOGESH MORI															
395	NEETU NIMOLE															
396	RACHANA RATHORE															
397	MANISH SINGH															
398	MANOJ															
399	RITU															
400	BHARAT KUMAR															
401	RAHUL DAGWAL															
402	SURAJ LODHI															
403	VINESH BHAYDIYA															
404	BHARTI															
405	VIKAS VERMA															
406	PAWAN															
407	AMIT															
408	ROHIT KHEDE															
409	LAVKESH															
410	SHALINI PARIHAR															
411	SONAM BARIYA															
412	ADITI PATIL															
413	SAKSHI TURKAR															
414	PRANJALI SINGH															
415	ATHARVA PATIL															
416	DHEERAJ															
417	AMAN															
418	ATUL KUMAR PATEL															
419	NIKHIL PATHAK															
420	ANUJ PANDEY															
421	ANIDHYA SINGH															
422	SHISHIR KUMAR GUPTA															
423	SONALI SONI															
424	MONIKA JAIN															
425	AMRA CHARAN															
426	SUNIL															
427	Pankaj Pawar															

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428	LUCKY															
429	KARAM SINGH															
430	DILEEP LODHA															
431	MAYANK															
432	VIJAY															
433	SHIVANSHU SINGH BAGHEL															
434	SHEETAL CHOUHAN															
435	AJAY															
436	SHRIYANSH KUMAR PANDEY															
437	SATYAM															
438	MUDIT															
439	SHOBHA															
440	AYUSHI PALIYA															
441	SACHIN															
442	MAHENDRA SUNDEL															
443	BHAVESH SONWANSHI															
444	RUCHITA KUMBHARE															
445	KRATIKA SHARMA															
446	NIDHI KATHOUTE															
447	SHUBHANGI SONI															
448	GOURAV															
449	SANSKAR PATIDAR															
450	YADIKA															
451	ANKITA															
452	DIKSHA															
453	PRADYUMN BAIRAGI															
454	AADITYA															
455	SHIVAM TRIPATHI															
456	SANDEEP LODHI															
457	PRAVEEN NIGWAL															
458	RAVINA CHOUNGAD															
459	VIGYATA SINGH															
460	SANDEEP UIKE															
461	DEEPAK BARWAL															

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462	ARJUN PALATIYA															
463	ARVIND															
464	RANU															
465	UDAYBHAN															
466	ANISH KUMAR PATEL															
467	SONU BABERIYA															
468	PRATIK															
469	MOHIT															
470	DEVRAJ															
471	NISHA PATEL															
472	BHIMANAND															
473	SHIV KUMAR															
474	VIKAS NIMADI															
475	PURNOTTAMA SHAH															
476	NITIN YADAV															
477	RAJAT															
478	PRAMILA NAHAR															
479	HARIOM															
480	TANU DHEPTE															
481	BHARTI RANA															
482	SANDHYA															
483	SHEETAL															
484	ANIYA QURESHI															
485	Nidhi Hajari															
486	SURAJ															
487	RADESH THAKRALA															
488	ASHISH BAGHEL															
489	LAKHAN PARMAR															
490	PRERNA VERMA															
491	SONAM															
492	ABHISHEK DONGRE															
493	MONIKA SENANI															
494	SAKARAM ALAWA															
495	ABHISHEK															
496	LALIT VISHWAKARMA															
497	SALONI															

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GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

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498	ANUSHREE															
499	RASHI ARYA															
500	MUSKAN GUPTA															
501	SHREYANSH RUNWAL															
502	PINKI SHUKLA															
503	SAMIKSHA SINGH PARIHAR															
504	ARVIND															
505	PALLAVI JAMRE															
506	AMAN															
507	SHUBHANSHI															
508	VIKASH															
509	VIKAS															
510	AYUSHI BAROLE															
511	MANISH BHAMORIYA															
512	PRACHI GAUTAM															
513	VEDANT MISHRA															
514	ABHISHEK NAMDEV															
515	MAHIMA RATHORE															
516	VIDHI THAKUR															
517	ANUJ															
518	RUPSINGH MALVIYA															
519	PAWAN KUMAR UIKEY															
520	VASUNDHARA															
521	KAMAL DANGI															
522	VIKRAM AKHADIYA															
523	BRAJESH MANGILAL															
524	RIKET KUMAR CHAURASIYA															
525	POOJA															
526	AARYA VERMA															
527	RAMPAL SINGH															
528	PRABHAKAR															
529	SANJU BARIYA															
530	AJAY DAWAR															
531	APOORVA PARMAR															

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 3)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
532	SACHIN															
533	DEEPIKA															
534	RENUKA KACHHAWAY															
535	AKASH DHAKAD															
536	MANISH SOLANKI															
537	RAJAT BHAIRVE															
538	NEHA PRAJAPATI															
539	GOLDI															
540	ISHIKA SHARMA															
541	SUNIL															
542	ARUN															
543	VIKAS															
544	ROHIT															
545	DINESH CHOUHAN															
546	AKSHAT DUBEY															
547	SALIKA															
548	DEWANSH															
549	NAMRATA															
550	MADHUSUDAN MEENA															
551	SHANKAR VAISHNAV															
552	ARCHITA ARYA															
553	RASHI SHRIVASTAVA															
554	RAHUL PARMAR															
555	KAJAL BAGANIYA															
556	MANISHA															
557	NIKITA															
558	RAHUL VISHWAKARMA															
559	RAJU KAPIL															
560	ANKIT															
561	RASHMI															
562	APEKSHA YADAV															

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GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 3)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
563	ISHA CHAWALA															
564	VIJENDRA															
565	NAINIKA															
566	RAVI															
567	NILESH															
568	SANSKAR															
569	GOPAL GOUD															
570	AMIT KUMAR															
571	SHIVAM PATIDAR															
572	AYUSH DWIVEDI															
573	VIVEK GOSWAMI															
574	SURESH AHIRWAR															
575	AVIRAL JAIN															
576	ARCHANA															
577	VIJAY															
578	DINESH															
579	AJAY CHOUHAN															
580	SUNIL SINGAD															
581	NADEEM SHEKH															
582	PRIYANKA															
583	ATISH															
584	PREMA DEVI YADAV															
585	PARUL SONKAR															
586	RITIK VARMA															
587	RAHUL															
588	JYOTI															
589	DURGESH GOUR															
590	NIRALI GURJAR															
591	ANKITA MOURYA															
592	RISHITA KAHIR															
593	ANIL MAVI															
594	SANJAY CHAWADA															
595	ANJALI HARINKHEDE															
596	SHAIFALI															
597	ROHIT KUSHWAH															
598	ALKESH															

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GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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YEAR - 2019-20 (Batch - 4)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
599	NIKITA JAIN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
600	LAKSHYA CHOURASIA	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
601	NEETIRAJ PARIHAR	A	P	P	A	P	P	P	P	P	A	P	P	P	P	P
602	AJAY	P	P	P	P	P	P	P	A	P	P	A	P	A	P	P
603	DAL SINGH DAYAMA	P	P	A	P	P	A	P	P	P	P	P	P	P	P	A
604	ABHISHEK MAIDA	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
605	KISHORE RAJPUT	P	P	P	A	P	P	A	P	A	P	A	P	P	P	P
606	PRANSHU DESHMUKH	P	P	P	P	P	P	P	P	P	P	P	P	P	D	P
607	PRINCE	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P
608	ADITYA	A	P	A	P	P	P	P	P	P	P	P	P	A	P	A
609	KAMAKSHI MANAWAT	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
610	DIVYANSH SINGH THAKUR	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
611	ATHARVA JOSHI	P	A	P	A	P	P	A	P	P	P	P	P	P	P	A
612	ASHIK KHAN	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P
613	MOHIT PANDRE	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
614	PAWAN KUMAR	P	P	A	P	A	P	A	P	P	P	P	P	P	P	A
615	AYUSHI SONI	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P
616	HIMANSHU	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P
617	SALONI	A	P	P	P	A	P	A	P	A	P	P	P	P	P	P
618	SONAM DHARSIYA	P	P	A	P	P	A	P	P	P	P	P	P	P	A	P
619	PRANAV KHODE	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
620	DINESH CHANDRA PATIDAR	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
621	RIYA SINGH	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P
622	SHRADDHA	A	P	A	P	P	A	P	P	P	P	P	P	A	P	P
623	GIRRAJ LODHA	P	P	P	A	P	P	A	P	A	P	P	A	P	P	A
624	SUSHIL KUMAR	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
625	MANISH VASUNIYA	P	P	P	P	A	P	P	P	P	A	A	P	P	P	P
626	VEENU SHARMA	A	P	A	P	P	P	P	A	P	P	P	P	P	P	P
627	DURSINGH THAKUR	P	P	P	P	P	A	A	P	P	P	A	P	P	P	A
628	RAHUL JAT	P	A	P	P	A	P	P	P	A	P	P	P	P	A	P
629	PARIDHI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
630	KAMLESH VERMA	P	P	A	P	P	P	A	P	P	A	P	P	A	P	A
631	KULDEEP	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P
632	PRATHAM SINGH SISODIYA	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P
633	NIKITA	A	P	P	P	A	A	A	P	P	P	A	P	A	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 4)

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634	RANJANA MALVIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
635	ANKIT GEHLOT	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
636	ASHISH KUMAR PATEL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
637	SHIVAM TEKAM	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
638	TABASSUM	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A
639	BHUMIKA THAKUR	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P
640	NIDHI ATRE	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
641	GOPAL	P	P	A	P	A	A	P	P	P	P	P	P	A	P	P
642	GOVIND KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
643	SHIVANSH	P	A	P	P	P	P	A	P	A	P	P	A	P	A	P
644	SHUBHAM SONER	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
645	SHUBHAM JOSHI	P	P	P	A	P	P	P	A	P	P	P	P	A	P	A
646	RAJ RAJESHWARI	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
647	RITESH	P	P	P	P	A	A	P	P	P	A	P	A	P	P	P
648	NIKITA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
649	TISHA	P	P	A	P	P	P	A	P	P	P	P	P	P	A	P
650	KRISHAN PRATAP PATEL	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P
651	KULDEEP RAGHUWANSHI	P	A	P	P	P	P	A	P	A	P	P	A	P	P	P
652	PRASHANT	A	P	P	A	P	P	P	P	P	P	P	P	P	P	A
653	GAJENDRA SOLANKI	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
654	DIKSHA	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P
655	SUBHASMITA	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P
656	NEHA	P	P	P	P	A	P	P	P	P	P	P	A	P	A	P
657	SIMRAN GANGWANI	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A
658	SHRUTI SINGH GAUTAM	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P
659	AANAND	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
660	NEELESH	P	P	A	P	P	P	P	P	P	A	P	A	P	P	P
661	PARAS	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P
662	VAISHNAVI	P	P	P	A	P	A	P	P	A	P	P	P	P	P	A
663	PRACHI DUBEY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
664	ASTHA JOSHI	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P
665	PRASHANT KOURAV	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
666	KOUSTUBH	P	P	P	A	P	P	A	P	P	A	P	P	P	P	A
667	SAKSHI JAIN	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
668	JATIN	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P
669	JAYABHARTI	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 4)

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670	ANSHIKA KURMI	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
671	SAKSHI MANDLOI	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
672	SHIVANI CHOUHAN	P	A	P	P	P	P	P	P	A	P	P	A	P	P	P
673	KIRAN	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
674	RAHUL PARGI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
675	ANKIT	A	P	P	A	P	P	A	P	P	A	P	P	P	A	P
676	RAGHVENDRA SINGH	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
677	ABHISHEK PATIDAR	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P
678	ANAMIKA CHOUREY	P	A	P	P	P	P	P	P	P	P	P	A	P	P	A
679	MUSKAN MITHORIYA	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
680	ANUBHA SAHU	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
681	DAMODAR	A	P	P	P	P	P	P	P	P	P	P	A	A	P	P
682	ASHUTOSH	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P
683	DEEPANSHU SONI	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P
684	VIJAY SAHU	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
685	DIVYA	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
686	RAKSHA GUPTA	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A
687	SAURABH GAUTAM	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P
688	LAVKUSH MISHRA	P	A	P	P	P	P	P	A	A	P	P	P	P	P	P
689	SAMRIDDHI BAROLIYA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
690	POOJA	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
691	VIKASH	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A
692	TARUN	A	P	P	P	A	A	P	P	A	P	A	P	P	P	P
693	SHIVANI GUPTA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
694	ROHIT	P	P	A	P	P	A	P	P	P	P	P	P	P	A	P
695	SHUBHAM	P	P	P	P	P	P	P	A	P	A	A	P	A	P	P
696	HEMA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A
697	DIVYA NAGAR	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
698	AASHISH RATHORE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
699	PRATIK JAIN	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
700	RAJNEESH KUMAR	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
701	ANJANA	P	P	P	A	P	P	P	A	A	P	A	P	P	P	P
702	ANIL	P	A	P	P	P	P	P	P	P	P	P	P	P	A	A
703	TUSHAR ALAWA	P	P	A	A	A	A	P	P	P	P	P	P	P	P	P
704	SACHIN CHOUHAN	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
705	ANAND CHOURASIYA	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P

Signature of Convener

GOVT. HOLKAR [MODEL, AUTONOMOUS] SCIENCE COLLEGE, INDORE

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706	RAJKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
707	DEVENDRA	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
708	MAHI	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
709	DEVENDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
710	PURWASHA	P	P	P	P	A	A	P	P	A	P	P	P	A	P	P
711	MEGHA KHICHI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
712	DIPIKA PATHAK	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A
713	SIMRAN	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
714	PRANJUL SONI	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
715	DEEPESH SINGH THAKUR	P	P	A	P	A	P	P	P	P	P	P	A	P	P	P
716	ROHIT SINGH	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P
717	SPARSH CHOURIYA	A	P	P	P	P	A	A	P	P	P	A	P	P	P	A
718	VIJAY YADAV	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
719	PRIYANKA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
720	KARAN MANDAVADIYA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
721	SHAKSHI	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
722	ARJUN	P	P	P	P	A	P	P	A	P	P	A	P	P	P	P
723	NISHEE MANDLOI	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P
724	MONIKA	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
725	DIVYANSH	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P
726	NIKKI KANOJIYA	P	P	P	A	P	P	P	P	A	P	P	P	P	P	A
727	BHAGYASHRI KHOWAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
728	KARTIK	P	P	P	P	P	A	P	A	P	A	P	P	P	A	P
729	HARSH TRIPATHI	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
730	ANIKET	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P
731	SNEHAL AGRAWAL	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
732	AMBUJ TIWARI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
733	AISHWARYA VERMA	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
734	PAWAN SAHU	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P
735	HARSH TIWARI	A	P	P	P	P	P	P	P	P	P	A	P	P	P	A
736	PRIYANKA TOMAR	P	P	P	A	A	P	P	P	A	P	P	P	P	A	P
737	ABHISHEK JAIN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
738	PRATHAM PARSAI	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
739	POOJA	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
740	SHWETA CHATURVEDI	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
741	PRINCE	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P

Signature of Convener

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

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742	VARUN DIDWANIYA	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
743	VINAY MANJHI	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
744	RITIKA SAINI	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P
745	RISHA UPADHYAY	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
746	SAURABH	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P
747	RASHI JOHARI	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
748	DEEPAK YADAV	A	P	P	P	P	P	P	P	A	P	P	P	P	P	A
749	SWATI GANDHARE	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
750	REENA RATHORE	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P
751	MATRIKA BOHRA	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P
752	MANISHA BAGHEL	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A
753	NISHA	P	A	P	P	P	P	P	A	P	P	P	P	P	A	P
754	NITISH JAGANWAR	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P
755	AYUSHI DIXIT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
756	DAIVIK	P	P	P	A	P	A	P	P	A	P	A	P	P	P	P
757	SACHIN KALAR	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
758	PRABHAKAR MISHRA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
759	SHIKHAR NIGAM	P	P	P	P	P	P	A	P	P	P	A	P	P	P	A
760	ARUN KUMAR	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
761	MEDINEE SHUKLA	P	P	A	P	P	A	P	P	P	P	P	P	P	A	P
762	PRIYANSHU SINGH	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P
763	PRAVEEN MISHRA	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A
764	DEVESH MISHRA	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
765	NISHANT KUMAR	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P
766	PIYUSH	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
767	JYOTI MISHRA	P	A	P	P	P	P	P	A	P	P	A	P	P	P	P
768	SHAKSHI	A	P	P	A	P	P	P	P	P	P	P	P	P	P	A
769	ADITI	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P
770	PRADUM	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
771	NIKITA MALVIYA	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P
772	ABHISHEK PATHAK	P	P	P	P	A	P	A	P	P	P	A	P	P	A	P
773	JITENDRA	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
774	SHUBHAM	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P
775	ARVIND	P	P	P	P	A	P	P	A	P	P	A	P	P	P	P
776	ANKIT KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
777	ABHAY	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Convener

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 4)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
778	CHHATRBHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
779	PREETI	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
780	ONKAR PRASAD	P	P	A	P	A	P	P	P	P	A	P	P	P	P	P
781	ANITA	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P
782	PRAKHAR NAMDEO	P	P	P	A	P	A	P	A	P	P	A	P	P	P	P
783	ANURAG CHAURASIYA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
784	ANKITA DOODHWAL	P	P	P	P	P	P	A	P	P	A	P	A	P	P	A
785	SUNIL KUSHWAHA	P	A	P	A	P	P	P	P	A	P	P	P	A	P	P
786	SANTOSH	P	P	A	P	A	A	P	P	P	P	P	P	P	P	P
787	LALIT MALVIYA	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
788	PANKAJ	P	P	P	A	P	P	A	P	P	A	A	P	P	A	P
789	BHARAT LAL AHIRWAR	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
790	DEEPAK PATIDAR	P	P	A	P	A	A	P	P	P	P	P	P	A	P	A
791	DEEPAK CHAURASIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
792	ANURAJ SINGH BAGRI	A	A	P	A	P	P	A	P	A	P	P	P	P	P	P
793	URMILA JAMRA	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
794	MANISH BARIYA	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P
795	ANURAG	P	P	A	P	P	A	P	P	P	A	A	P	A	P	P

Signature of Convener

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 5)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
796	SHIVANI AGRAWAL	P	P	A	P	P	P	A	P	P	P	A	P	P	P	P
797	DHARMENDRA SINGH	P	A	P	P	P	P	P	A	P	P	P	A	P	P	P
798	SUNIL REKWAL	P	P	P	A	P	A	P	P	P	A	P	P	P	A	P
799	DEVENDRA	P	P	P	P	A	P	P	A	P	P	P	P	P	A	P
800	VIJAY GAHARWAL	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P
801	ROHIT KUMAR MALVIYA	P	P	P	P	A	P	P	P	P	A	P	A	P	P	P
802	RANJITA DAMOR	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
803	AALOK PANWAR	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P
804	AYUSH RAUTEL	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P
805	ARTI SAHU	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P
806	NEETU SIMAIYA	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P
807	MAHAK TIWARI	P	A	P	P	P	A	P	P	P	P	P	A	P	P	P
808	NIRMAL	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
809	AJAY KUMAR	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P
810	KHUSHI GUPTA	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P
811	SAKSHI NARWARIYA	A	P	P	P	A	P	P	P	P	A	P	A	P	P	P
812	RISHIKA YADAV	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P
813	ANURUDDH PRATAP SINGH RAI	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P
814	AKSHAY	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A
815	SHIVANI	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P
816	KAPIL DHAKAD	A	P	P	P	P	A	P	P	P	P	P	A	P	P	P
817	AMAN MERAVI	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P
818	SUNIL VERMA	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
819	PRAGYESH PATEL	P	P	P	P	A	P	P	P	A	P	P	P	A	P	P
820	KESHAV	P	P	A	P	P	P	P	A	P	P	P	P	P	A	P
821	RAKSHA PARMAR	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A
822	PRAGHI	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
823	SONU BAGHEL	A	P	P	P	P	A	P	P	P	P	P	P	A	P	P
824	SACHIN KUSHWAH	P	P	A	P	P	P	P	A	P	P	P	P	P	A	P
825	BALVEER RAWAT	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P
826	RAHUL SOLANKI	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
827	PRAKASH	P	P	P	P	A	P	P	A	P	P	P	P	P	A	P
828	AKANKSHA	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
829	ISHWAR DINDOR	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
830	ASHWATHY RATHEESAN	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P
831	HARSHITA SAKWAR	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P

Signature of Convener

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 5)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
832	AASTHA BILLU	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
833	AMAN	A	P	P	P	A	P	P	A	P	P	P	P	P	P	A
834	PRASHANT TIWARI	P	A	P	P	P	A	P	P	P	A	P	P	P	A	P
835	SALONI	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
836	AMISHA	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
837	AYUSH JAIN	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
838	SHREYANSH JAIN	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P
839	AYUSH	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P
840	SHUBHAM	A	P	P	P	P	P	A	P	P	P	P	P	A	P	P
841	GOPAL DANGI	P	P	A	P	P	P	P	A	P	P	P	P	P	P	A
842	KAMAL DUBE	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P
843	AASHI CHARLES	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P
844	BHARAT KUMAR	P	P	A	P	P	P	P	P	A	P	P	A	P	P	P
845	PRASHANT	P	A	P	P	A	P	P	A	P	P	P	P	A	P	P
846	SAHIL MANSURI	P	P	P	A	P	P	A	P	P	P	A	P	P	P	P
847	MUSHFIQ	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
848	PRIYANKA KANESH	P	A	P	P	P	P	P	P	A	P	P	P	A	P	P
849	PRITI	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P
850	SAKSHI JAIN	A	P	P	P	A	P	P	P	P	P	A	P	P	P	P
851	SAKSHI JAIN	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P
852	SURUCHI SONI	P	P	P	A	P	P	A	P	P	A	P	P	P	P	A
853	SIDDHI	A	P	P	P	A	P	P	A	P	P	A	P	P	P	P
854	ANSHIKA NIGAM	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
855	ROHIT	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P
856	ANKIT KAMDAR	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P
857	ABHISHEK	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
858	ANMOL	A	P	P	P	A	P	P	A	P	P	P	P	A	P	P
859	AASHI	P	P	A	P	P	P	P	P	A	P	P	P	P	P	A
860	KRATIKA ASTE	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P
861	PRABHAT DUBEY	P	P	P	P	A	P	P	P	P	P	A	P	P	P	A
862	PRANJAL JAIN	A	P	P	P	P	A	P	P	A	P	P	P	A	P	P
863	DIPALI KHATRI	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P
864	YOGITA	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P
865	ABHISHEK KUMAR SINGH	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P
866	JAYESH RATHOD	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P
867	ANSH MITTAL	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P

Signature of Convener

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 5)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
868	ANURAG THAKUR	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P
869	MOHIT	A	P	P	P	P	A	P	P	P	P	A	P	A	P	P
870	SANJAY YADAV	P	A	P	P	P	P	P	P	A	P	P	P	P	A	P
871	NIRMA	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
872	PAYAL	A	P	P	P	A	P	P	P	P	A	P	P	P	P	A
873	YOGESH	P	A	P	A	P	P	P	A	P	P	P	P	A	P	P
874	OMENDRA	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
875	AKASH DESHMUKH	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P
876	SATISH KUMAR	A	P	A	P	P	P	A	P	P	P	P	A	P	P	P
877	PIYUSH MARU	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
878	RAHUL PATEL	P	P	P	A	P	P	P	P	A	P	P	P	P	P	A
879	BHARTI PATIDAR	A	P	P	P	P	A	P	P	P	P	A	P	P	P	P
880	NANCY SHUKLA	P	P	P	P	A	P	P	A	P	P	P	A	P	P	P
881	SAKSHI RAJPOOT	P	A	P	P	P	P	A	P	P	A	P	P	P	A	P
882	SUNIL YADAV	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P
883	PRABHAT KUMAR SONWANI	A	P	P	P	A	P	P	P	A	P	P	P	P	A	P
884	KESHAV	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
885	VIPIN	P	P	A	P	P	P	P	P	A	P	P	A	P	P	P
886	PRASHANT KUMAR	A	A	P	P	P	P	P	P	A	P	P	A	P	A	P
887	RAM BHARAT NAGAR	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P
888	VIKASH MANDLOI	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A
889	MANTHAN NEEMA	P	P	A	P	P	P	A	P	P	P	A	P	P	A	P
890	AMISHA	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P
891	ARYAN JAIN	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P
892	SHRUTI	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
893	AYUSH SHARMA	P	P	P	P	P	A	P	P	P	P	A	P	P	A	P
894	RAJAT SINGH BAGHEL	P	P	A	P	P	P	P	P	A	A	P	P	P	P	P
895	KHUSHI SHAMI	P	A	P	P	P	P	P	P	P	A	P	P	A	P	P
896	SUDHEER KUMAR DHARWEY	P	P	P	P	A	P	P	A	P	P	P	A	P	P	P
897	HARSH SHOBHANE	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P
898	SWATI	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P
899	ANKIT	A	P	P	P	A	P	P	A	P	P	P	P	P	P	P
900	JAHNAVI SHIVHARE	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P
901	SHIV KUMAR VERMA	P	A	P	P	P	P	P	P	A	P	P	A	P	P	P

Signature of Convener

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 5)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
902	AISHWARY KHARADI	A	P	P	P	A	P	P	P	P	P	A	P	P	P	P
903	DARSHANA	P	P	A	P	P	A	P	P	P	P	P	A	P	P	P
904	SHEIKH ZISHAN	P	A	P	P	P	P	A	P	P	P	P	P	P	A	P
905	ATUL PANDEY	P	P	P	P	A	P	P	A	P	P	P	P	P	P	A
906	PRIYA BHOPTE	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P
907	MADHURI GURJAR	A	P	P	P	P	A	P	P	P	P	A	P	P	A	P
908	TANIYA JOSHI	P	P	A	P	P	P	P	P	P	A	P	P	A	P	P
909	MAYANK	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P
910	ANKIT	P	P	P	P	A	P	P	A	P	P	P	P	P	P	A
911	SUDHIR	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P
912	PRADEEP BAJHAIYA	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P
913	BHANUPRATAP AMRUTE	A	P	P	P	A	P	A	P	P	P	A	P	P	P	P
914	ANUP CHOPDE	P	P	A	P	P	P	P	A	P	P	P	P	P	A	P
915	PRAKHAR	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P
916	SWATI PANDRE	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A
917	JYOTI	A	P	P	P	A	P	P	P	A	P	P	A	P	P	P
918	PRAVEEN	P	P	A	P	P	P	A	P	P	P	A	P	A	P	P
919	ISHA	P	A	P	P	P	A	P	P	P	P	A	P	P	A	P
920	VARSHA	P	P	P	P	A	P	P	P	P	A	P	P	P	P	A
921	ABHIJEET PRATAP SINGH YADAV	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P
922	LALSINGH	A	P	A	P	P	P	P	A	P	P	P	P	P	A	P
923	ABHISHEK	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P
924	RAJESH RAWAT	P	P	P	P	A	P	A	P	A	P	P	P	P	P	A
925	SHREYA MISHRA	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
926	SANDHYA PARTE	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
927	LOKESH	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P
928	VIMAL	A	P	P	P	A	P	P	P	A	P	A	P	P	A	P
929	SUBHASH SINGH PARIHAR	P	P	P	A	P	P	P	P	P	A	P	P	P	P	A
930	NAMAN KHANDELWAL	P	A	P	P	P	A	P	P	P	P	P	A	P	P	P
931	ANKIT BIDUA	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P
932	SOURABH RAMTEKE	P	P	P	A	P	P	P	A	P	P	A	P	P	A	P
933	SACHIN SAHU	A	P	P	P	A	P	P	P	P	P	A	P	P	P	P
934	ARUN	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
935	ANKIT DAWAR	P	P	P	P	A	P	A	P	P	P	P	A	P	P	P
936	AMAN CHOURE	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P

Signature of Convener

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 5)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
937	AJAY	P	P	A	P	P	P	P	A	P	P	A	P	P	P	P
938	ADITYA PARMAR	P	A	P	P	P	A	P	P	P	P	A	P	A	P	P
939	SWATI	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P
940	YOGITA CHOURE	P	P	P	P	P	P	A	P	P	P	A	P	P	P	A
941	ASHISH GAWLE	A	P	P	P	P	P	P	A	P	A	P	A	P	A	P
942	YOGENDRA	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P
943	MAYUR BAGHESHWAR	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P
944	PRAKASH KUMAR KHATIK	P	P	P	A	P	A	P	P	P	A	P	P	P	P	A
945	SACHIN	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P
946	YOGESH CHAWDA	P	A	P	P	P	P	P	A	P	P	P	P	A	A	P
947	VIKASH KARODE	P	P	P	A	P	P	A	P	P	P	A	P	A	P	P
948	MAYURI BHANGE	A	P	P	P	P	A	P	P	P	A	P	P	P	P	A
949	RAHUL CHOUDHARY	P	P	A	P	A	P	P	A	P	P	P	P	P	A	A
950	BHOOMI SHARMA	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
951	DEVENDRA WALKE	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P
952	RAVINDRA MANDLOI	A	P	A	P	P	P	P	P	P	P	A	A	P	A	P
953	RAHUL EVANE	P	P	P	A	P	P	P	P	A	P	P	P	P	A	P
954	SALONI DHURVE	A	P	P	P	A	P	A	P	P	P	A	P	A	P	P
955	JYOTI VISHWAKARMA	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P
956	AJAY SINGH	P	P	A	P	P	A	P	P	P	P	P	P	P	A	P
957	HANUMANT SINGH CHOUHAN	A	P	P	P	A	P	A	P	P	P	A	P	P	P	P

Signature of Convener

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 6)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
958	ASHVINI KUMAR	P	A	P	P	P	A	P	P	P	P	P	A	P	P	P
959	NITIN HATHIYA	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P
960	VINAY	A	P	A	P	P	P	A	P	P	P	A	P	P	P	P
961	AMARRAJ	P	P	P	P	A	P	P	A	P	P	P	A	P	A	P
962	TANAY INDRANE	P	P	P	A	P	P	P	P	A	P	A	P	P	A	A
963	NIKHIL	A	P	A	P	P	A	P	P	P	P	P	P	A	P	P
964	SAKET	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P
965	SHIVANI	P	P	A	P	P	A	P	P	P	P	P	A	P	A	P
966	RADHIKA	P	A	P	P	P	P	P	A	P	P	A	P	P	P	P
967	ADITI	P	P	P	A	P	P	P	P	A	P	P	A	P	P	A
968	SANYOG BORKAR	P	A	A	P	P	P	P	A	P	P	P	P	A	P	P
969	ANANYA PANDEY	A	P	P	P	P	P	A	P	P	P	P	P	P	A	P
970	VAISHNAVI PARIKH	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P
971	SRISHTI SONI	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P
972	KSHITIJ YADAV	P	P	P	P	A	P	A	P	P	P	P	P	A	P	A
973	PRADEEP RATHORE	P	P	A	P	P	P	P	P	A	P	P	P	P	A	P
974	AMAN	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P
975	SOURABH AHIRWAR	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
976	ARPIT BAGHEL	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A
977	RAMAN KUMAR SHARMA	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P
978	VISHAL	A	P	P	P	A	P	P	P	P	P	P	P	A	P	P
979	PRAHLAD	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
980	SHALU	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
981	SHWETA	P	P	P	P	A	P	P	P	A	P	P	A	P	A	P
982	VIKAS YADAV	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A
983	VIRENDRA	A	A	P	P	P	P	A	P	P	P	A	P	P	A	P
984	ANIKET	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P
985	TASTI BELA	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P
986	SHIVAM	P	A	P	P	P	P	A	P	P	A	P	P	P	P	P
987	NIKHIL DIDWANIYA	P	P	A	P	P	P	P	A	P	P	P	P	A	P	A
988	SWATI MANDLOI	A	P	P	A	P	P	P	P	A	P	P	P	P	A	P
989	PRIYANKA	P	P	A	P	A	P	A	P	P	P	P	A	P	P	P
990	VAISHALI MISHRA	P	P	P	A	P	P	P	A	P	P	A	P	P	P	P
991	ABHISHEK	P	P	P	P	A	P	P	P	A	P	P	A	P	P	P
992	DILEEP SINGH	A	A	P	P	P	P	A	P	P	P	P	P	A	P	P
993	ABHISHEK MISHRA	P	P	P	A	P	P	P	A	P	P	P	A	P	P	P

Signature of Convener

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 6)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
994	HIMANSHU	P	P	A	P	P	P	A	P	P	P	P	A	P	P	A
995	ANJALI	P	A	P	P	P	A	P	P	P	A	P	P	A	P	P
996	SEJAL SHARMA	P	P	P	A	P	P	P	A	A	P	A	P	P	A	P
997	RAVIRAJ JAT	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
998	PUJA	A	P	P	A	P	P	P	A	P	A	P	P	P	P	P
999	MANISH PATEL	A	P	P	P	A	P	A	P	P	P	A	P	P	A	A
1000	NIKITA KADAM	P	P	A	P	P	A	P	P	P	P	P	A	P	P	P
1001	DURGA ATUDE	P	A	P	P	P	P	P	P	A	P	P	P	A	P	P
1002	ABHISHEK	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P
1003	JUHI SHARMA	P	P	P	P	P	A	P	P	P	A	P	P	P	A	P
1004	NILESH SINGH	P	A	P	P	P	P	A	P	P	P	P	A	P	P	A
1005	PRIYANKA DHAKAD	A	P	A	P	A	P	P	A	A	P	A	P	A	P	P
1006	SHIVAM	P	P	P	A	P	A	P	P	P	P	P	P	A	P	P
1007	RAJ	P	A	P	P	P	P	A	P	P	A	P	P	P	A	P
1008	ROSHNI MANDLOI	A	P	A	P	P	P	P	A	P	P	P	A	P	P	P
1009	ANIL	P	P	P	P	A	P	P	P	P	P	A	P	P	P	A
1010	SHUBHAM LOKHANDE	P	P	P	P	P	P	A	P	A	P	P	P	A	P	P
1011	ASHUTOSH PUNASE	P	A	P	P	P	A	P	P	P	P	A	P	P	A	P
1012	DEEPIKA BHALSE	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P
1013	PAWAN KANASIYA	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P
1014	HARSHITA	A	P	P	P	P	P	P	P	A	P	P	A	P	A	P
1015	UMESH JITPURE	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P
1016	RANJEET KUMAR GUPTA	P	A	P	P	P	P	P	P	P	A	P	P	P	A	A
1017	DHEERAJ THAKRE	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
1018	AANCHAL	P	P	A	P	P	A	P	P	P	A	P	P	P	A	P
1019	PRASHANT MANDORE	A	P	P	A	P	P	P	A	A	P	P	P	A	P	P
1020	PRATHAM NAGAR	P	A	P	P	A	P	A	P	P	P	A	P	P	P	P
1021	SANTOSH	P	P	A	P	P	A	P	P	P	A	P	P	A	P	A
1022	RAHUL RAWAT	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P
1023	ADIDI	P	A	P	P	P	P	A	P	A	P	P	P	A	P	P
1024	YASHITA	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P
1025	SHIVALI BORSE	A	P	P	P	A	P	P	P	P	A	P	P	P	P	A
1026	HARSHITA JAIN	P	A	P	P	P	P	A	P	P	P	P	A	P	P	P
1027	ANTIMA VISHWAKARMA	P	P	A	P	P	P	P	A	A	P	P	P	A	P	P
1028	SATYAM TIWARI	P	A	P	P	P	A	P	P	P	P	P	A	P	A	P
1029	HIMANSHU LOKHANDE	P	P	P	A	P	P	A	A	P	P	P	P	A	P	P

Signature of Convener

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

CERTIFICATE COURSE - 14/11/2019 TO 30/11/2019

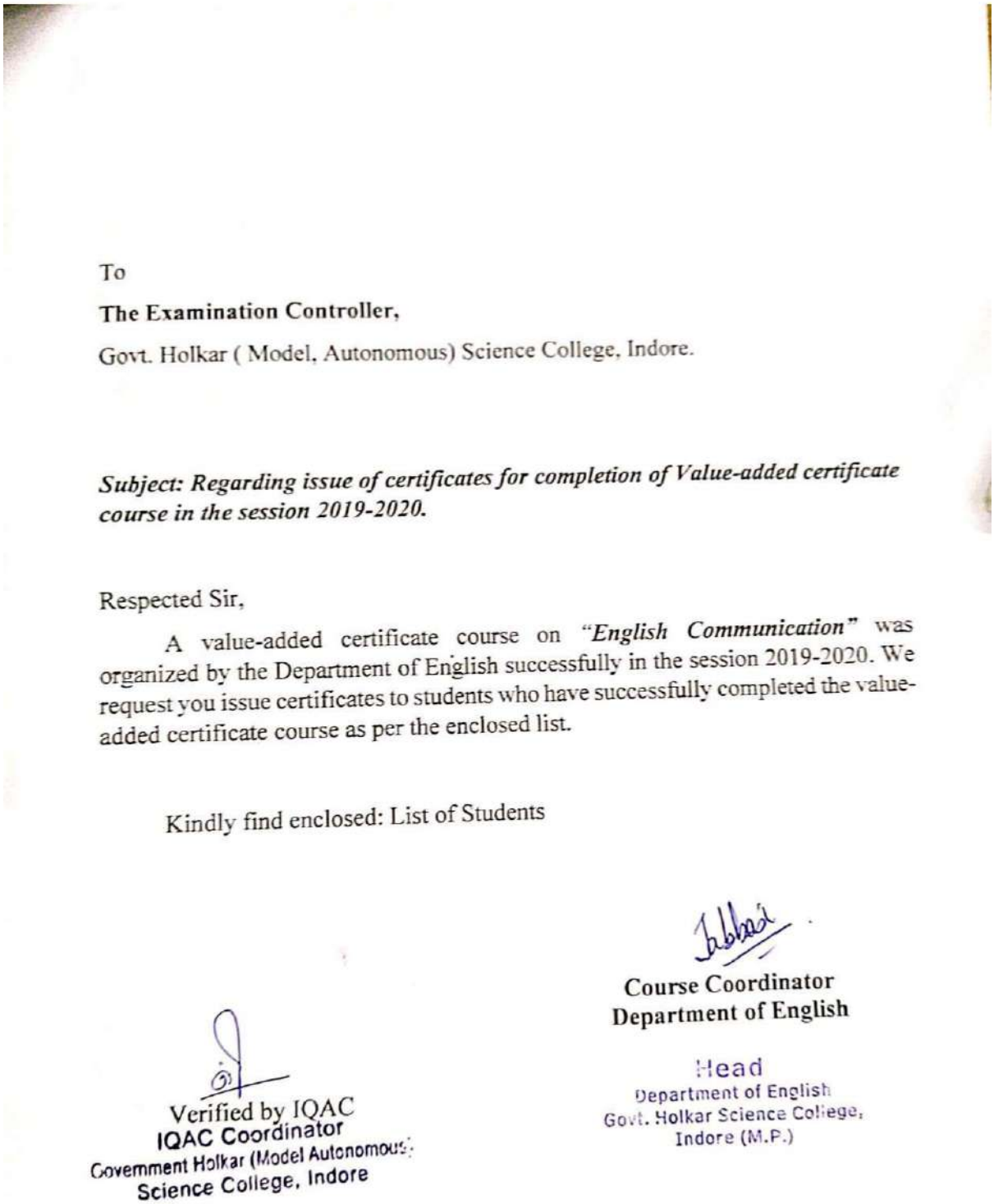
CERTIFICATE COURSE ON COMMUNICATION SKILLS CONDUCTED BY DEPARTMENT OF ENGLISH B.Sc. I, B.Sc. II, B.Sc. III YEAR

YEAR - 2019-20 (Batch - 6)

S.No.	STUDENTS NAME	14-Nov	15-Nov	16-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
1030	JATIN PANDEY	A	P	P	P	A	P	P	A	P	P	P	P	P	P	A
1031	VAISHNAVI PATIDAR	P	A	P	P	P	A	P	P	P	A	P	P	A	A	P
1032	AVANTIKA	P	P	P	A	P	P	A	P	A	P	A	A	P	P	P
1033	AJAY SINGH JADAM	P	P	A	P	P	P	P	P	P	P	P	P	P	A	A
1034	SHREYA CHOUHAN	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P
1035	YASHPAL RAWAT	A	A	P	P	P	P	P	P	P	P	P	P	A	P	P
1036	AMIT	P	P	P	A	P	A	P	P	A	P	P	P	P	A	P
1037	KRATIKA	P	A	P	P	P	P	A	P	P	P	P	P	A	P	P
1038	SHIVANI	P	P	A	P	A	P	P	A	P	A	P	P	P	P	A
1039	ANJALI CHIMNANI	P	A	P	P	P	A	P	P	P	P	A	P	P	A	P
1040	VINEET DWIVEDI	A	P	P	A	P	P	A	P	P	P	P	A	P	A	P
1041	VIPUL JAIN	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P
1042	AADISH JAIN	P	A	P	P	P	A	P	P	A	P	A	P	P	P	P
1043	MANYA MEHRA	P	P	A	P	P	P	P	P	P	P	P	A	P	A	P
1044	RIYA PANJRE	P	A	P	P	A	P	P	P	P	P	P	P	A	P	A
1045	PRAGATI SAHU	A	P	P	A	P	P	P	A	P	P	P	P	A	P	P
1046	PRATHAM VERMA	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P
1047	DEEPAK KUMAR GORYA	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P
1048	RASHMI GORYA	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P
1049	SWATI	A	P	P	A	P	A	P	P	P	P	P	P	P	P	A
1050	VICKY	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
1051	RITIKA ARYA	P	A	P	P	A	P	P	P	P	P	P	P	P	A	P
1052	PAWAN KUMAR DANGI	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
1053	JAI CHATURVEDI	P	P	A	P	P	P	P	P	P	A	P	P	P	P	A
1054	SWEETY	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
1055	PRANITA	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P
1056	ABHISHEK PRAJAPATI	P	P	P	P	A	P	P	P	P	A	P	P	A	P	P
1057	MOHIT	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P
1058	ADITI BILWAL	P	P	P	A	P	P	A	P	P	P	A	P	P	P	P
1059	AYUSHI	P	P	A	P	P	A	P	P	P	P	P	A	P	P	P
1060	TANISHKA	A	P	P	P	A	P	P	A	P	P	P	P	P	P	A
1061	ADITYA DUBEY	P	A	P	P	P	P	P	P	P	P	A	P	P	A	P
1062	AASHUTOSH	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P
1063	ANKUSH	P	A	P	P	P	A	P	P	P	A	P	P	P	A	P
1064	SAGAR	P	P	A	A	P	P	P	P	A	P	P	P	P	P	A
1065	HRITURAJ KHATARKAR	P	A	P	P	P	P	P	A	P	P	P	P	A	P	P

Signature of Convener

9.4 Course Completion Certificate: -



To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for completion of Value-added certificate course in the session 2019-2020.

Respected Sir,

A value-added certificate course on *"English Communication"* was organized by the Department of English successfully in the session 2019-2020. We request you issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Kindly find enclosed: List of Students

Course Coordinator
Department of English

Head
Department of English
Govt. Holkar Science College,
Indore (M.P.)

Verified by IQAC
IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

2018-2019

1.

Mobile Repairing and DTH Installation & TV Repairing

1.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore
NAAC
'A' GRADE
2018-2019
Under the Umbrella of IQAC
Mobile Repairing and DTH & TV Repairing
FROM 04.09.2018 to 25.09.2018
A VALUE-ADDED CERTIFICATE COURSE by Department of Electronics
- For registratiion, Contact:
Jai Prakash Yadav,
Department of Electronics
-
Assessment Method: Test
ELIGIBILITY
All regular students
EMPLOYABILITY
Self-employment & repairing outlets
DURATION : 36 HOURS

1.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF ELECTRONICS

NOTICE

Department of Electronics is conducting the following workshop / value-Added Certificate course in

Mobile Repairing and DTH Installation & TV Repairing

The classes shall be conducted by the faculty of the Department of Electronics, Government Holkar (Model Autonomous) Science College, Indore.

Duration: 36 Hrs.

Date: September 04,2018 to September 25, 2018

Time: 2.00 to 4.00PM

Strength: 35

शासकीय होलकर विज्ञान महाविद्यालय, इन्दौर

इलेक्ट्रॉनिक्स विभाग

वर्ष 2018

होलकर विज्ञान महाविद्यालय का इलेक्ट्रॉनिक्स विभाग इलेक्ट्रॉनिक्स एवं कम्प्यूटर सांइस के विद्यार्थियों हेतु मोबाईल रिपेरिंग, डी.टी.एच. स्थापना एंव टी.बी. रिपेरिंग आदि पर एक 18 दिवसीय वर्कशाप महाविद्यालय में आयोजित कर रहा है।

कार्यशाला का विषय : मोबाईल रिपेरिंग, डी.टी.एच. स्थापना एंव टी.बी. रिपेरिंग

कार्यशाला की अवधि : 18 दिन

प्रस्तावित तिथि : 04.09.2018 मंगलवार से 25.09.2018 मंगलवार तक (कार्यदिवस)

कार्यशाला का समय : दोपहर 2 से 4 बजे तक

कार्यशाला स्थल : इलेक्ट्रानिक्स विभाग – फैराडे लेब

1. विद्यार्थी को रजिस्ट्रेशन फॉर्म इलेक्ट्रॉनिक्स विभाग से प्राप्त करके एव आवश्यक जानकारी भरकर इलेक्ट्रानिक्स विभाग में जमा करना होगा। (27.8.18 – 4.09.18)
2. न्यूनतम विद्यार्थियों की संख्या 15 रहेगी। इस संख्या से कम आवेदन प्राप्त होने पर कार्यशाला संचालित नही की जा सकेगी।
3. अधिकतम विद्यार्थियों की संख्या 30 रहेगी। कार्यशाला में संलग्न पत्र के अनुसार मोबाईल रिपेरिंग पर सैध्दांतिक एवं प्रायोगिक जानकारी दी जावेगी।
4. कार्यशाला के अन्त में विद्यार्थियों का एक टेस्ट आयोजित किया जावेगा।
5. कोर्स पूर्ण करने पर महाविद्यालय द्वारा इस विषयक प्रमाण पत्र दिया जावेगा।

[redacted]

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1.3 Syllabus: -

Approved

Govt. Holkar (Model Autonomous) Science College, Indore

Dept. of Electronics

Mobile Repairing and DTH Installation & TV Repairing

Syllabus 2018-19

Unit 1

Basics of mobile communication. Study of Digital Electronics.Assembling and disassembling of various models of mobile phones. Study of various tools and equipment used in mobile phone repairs. Study of parts inside a mobile phone. Using a multimeter. Use of DC Power Supply.

Unit 2

Introduction and study of Printed Circuit Board (Motherboard). Details of various components on the PCB. Testing of various parts and components. Study of different ICs (chips) used on the motherboard.

Unit 3

Introduction to DTH . Process of installation. Techniques to install and working method of DTH.

Unit 4

Study of TV panel, CRT description, IPS panel display, How to recognize various ICs. Soldering & desoldering of components by using a soldering iron.

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

1.4 Students List: -

STUDENT LIST ATTANDING WORKSHOP

ELECTRONICS DEPARTMENT (2018-19)

DATE 21/09/2018

S.NO	NAME	CLASS	SIGN
1	NARENDRA ACHHANIYA	B.Sc. II YEAR M7	
2	SHIVAM TRIPATHI	B.Sc. II YEAR M6	
3	ANIKET MISHRA	B.Sc. II YEAR M6	
4	ABHISHEK RATHORE	B.Sc. II YEAR M6	
5	JATIN SHARMA	B.Sc. II YEAR M1	
6	ASHISH DHAKAD	B.Sc. II YEAR M6	
7	SURAJ JAISWAL	B.Sc. II YEAR M6	
8	KULDEEP GURJAR	B.Sc. II YEAR M2	
9	PAYAL FULMALI	B.Sc. II YEAR M2	
10	AYUSHI GUPTA	B.Sc. II YEAR M2	
11	GOURAV PRAJAPAT	B.Sc. V SEM M7	
12	YOGESH KHANGODE	B.Sc. II YEAR M6	
13	DEEPAK SAHU	B.Sc. II YEAR M2	
14	SHREYANSH GUPTA	B.Sc. II YEAR M2	
15	GAJENDRA SOLANKI	B.Sc. II YEAR M6	
16	SHIVANSHU BHURTIYA	B.Sc. II YEAR M7	
17	YOGITA DODVE	B.Sc. II YEAR M2	
18	RAJAT MANDLOI	B.Sc. V SEM M5	
19	YASHPAL SENDHAV	B.Sc. V SEM M5	
20	ANAND RAGHUVANSHI	B.Sc. V SEM M5	
21	ABHISHEK PAWAR	B.Sc. II YEAR M6	
22	RASHI SHRIVASTAVA	B.Sc. II YEAR M7	
23	KARUNA DAMOR	B.Sc. II YEAR M2	
24	SHIVANI PARIHAR	B.Sc. II YEAR M2	
25	ADITYA UPADHYAY	B.Sc. II YEAR M6	
26	SUNIL CHOUDHARY	B.Sc. II YEAR M6	
27	AMIT PANIDRAHA	B.Sc. V SEM M7	
28	PALLAVI KESHARI	B.Sc. V SEM M7	
29	KIRTI MAKASHRE	B.Sc. V SEM M7	
30	AYUSH GUPTA	B.Sc. II YEAR M6	
31	KARAMSINGH MANDLOI	B.Sc II year M-7	
32	SNEH ANCHAL PATHAK	B.Sc V SEM M-7	

(H.O.D.)

DEPARTMENT OF ELECTRONICS

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1.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on *"Mobile Repairing and DTH Installation & TV Repairing"* has been organized by Department of English & Swami Vivekananda Career Guidance Cell in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

Sd

Course Coordinator
Department of Electronics

2.

Tissue Culturing of Medical Plants and Organic Farming

2.1 Brochure: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

(ACCREDITED GRADE "A" BY NAAC)

2018-2019

Under the Umbrella of IQAC

WORKSHOP/VALUE -ADDED CERTIFICATE COURSE

ON

TISSUE CULTURING OF MEDICINAL PLANTS & ORGANIC FARMING

ORGANIZED BY: DEPARTMENT OF BIOTECHNOLOGY

EMPLOYABILITY SCOPE

- SELF-EMPLOYABILITY
- IN RESEARCH LABORATORIES

ELIGIBILITY

- UNDERGRADUATE & POSTGRADUATE STUDENTS

FOR REGISTRATIION, CONTACT:
DEPARTMENT OF BIOTECHNOLOGY

FOCAL THEME: SKILL ENHANCEMENT FOR EMPLOYABILITY

DURATION: 36 HOURS
(17.09.2018 TO 29.09.2018)

COURSE COORDINATOR
DR. KIRAN BILLORE

2.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF BIOTECHNOLOGY

NOTICE

Department of Biotechnology is conducting the following workshop / value-Added Certificate course in

Tissue Culturing of Medical Plants and Organic Farming

The classes shall be conducted by the faculty of the Department of Biotechnology, Government Holkar (Model Autonomous) Science College, Indore.

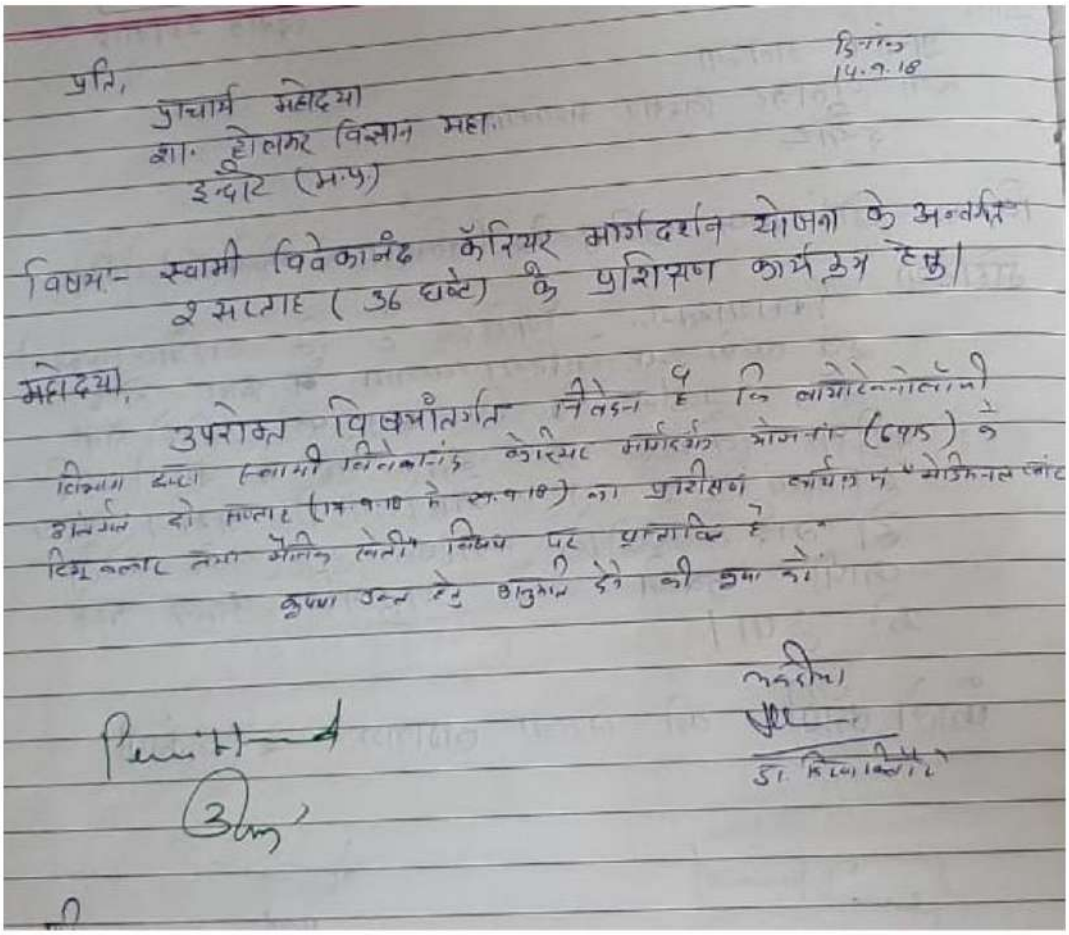
Duration: 36 Hrs.

Date: September 17,2018 to September 29, 2018

Time: 2.00 to 5.00PM

Strength: 60

2.3 Permission: -



प्रति,
प्राचार्य महोदया
शा. होलकर विज्ञान महा.
इन्दौर (म.प्र.)

दिनांक
14.9.18

विषय- स्वामी विवेकानंद कॅरियर मार्गदर्शन योजना के अन्तर्गत 2 सप्ताह (36 घण्टे) के प्रशिक्षण कार्य हेतु।

महोदया,

उपरोक्त विषयांतर्गत निवेदन है कि बायोटेक्नोलॉजी विभाग द्वारा स्वामी विवेकानंद कॅरियर मार्गदर्शन योजना (CMG) के अन्तर्गत दो सप्ताह (16.9.18 से 29.9.18) का प्रशिक्षण कार्यक्रम "मेडिकल लैब टेक्नोलॉजी तथा मैलिक्यूलर बिज्ञान विषय पर प्रस्तावित है।
कृपया उक्त हेतु आदेश देने की कृपा करें।

Permitted
3

भवदीया
डॉ. दिव्या [illegible]

PERMISSION

2.4 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Biotechnology
Session: 2018-19
Syllabus for Workshop / Value Added Course in Tissue Culturing of Medical Plants and Organic Farming

Module 1: Introduction to Plant Tissue Culture and Its Techniques:
- Overview of plant tissue culture
- History and significance of plant tissue culture
- Types of plant tissue culture techniques
- Basic requirements for plant tissue culture

Practical:
- Preparation of nutrient media for plant tissue culture
- Sterilization of culture vessels and instruments
- Aseptic techniques for plant tissue culture

Module 2: Organic Farming:
- Introduction to organic farming
- Advantages of organic farming
- Organic farming practices
- Organic certification

Practical:
- Soil preparation for organic farming
- Composting techniques for organic farming
- Organic pest management techniques

Module 3: Biofertilizers and Biopesticides:
- Introduction to biofertilizers and biopesticides
- Types of biofertilizers and biopesticides
- Preparation and application of biofertilizers and biopesticides
- Advantages and disadvantages of using biofertilizers and biopesticides

Practical:
- Preparation of biofertilizers and biopesticides
- Application of biofertilizers and biopesticides

Module 4: M.S Media and Its Preparation and Sterilization Techniques
- Introduction to M.S media
- Composition and preparation of M.S media
- Sterilization techniques for M.S media
- Storage and use of M.S media

Practical:
- Preparation of M.S media
- Sterilization of M.S media

Module 5: Explant Sterilization, Embryo Culture, and Seed Germination
- Techniques for explant sterilization
- Embryo culture techniques
- Techniques for seed germination
- Factors affecting seed germination

Practical:
- Sterilization of explants
- Embryo culture techniques

- Seed germination techniques

Module 6: Synthetic Seed Preparation

- Introduction to synthetic seed
- Advantages and disadvantages of synthetic seed
- Techniques for synthetic seed preparation
- Applications of synthetic seed

Practical:

- Preparation of synthetic seed

Module 7: Azotobacter and Rhizobium Isolation

- Introduction to nitrogen-fixing bacteria
- Types of nitrogen-fixing bacteria
- Isolation and identification of Azotobacter and Rhizobium
- Advantages of using nitrogen-fixing bacteria in agriculture

Practical:

- Isolation and identification of Azotobacter and Rhizobium

Module 8: Result Discussion, Plant Acclimatization, and Test Practices

- Interpretation and presentation of results
- Techniques for plant acclimatization
- Test practices for plant tissue culture and organic farming

Practical:

- Presentation and discussion of results
- Techniques for plant acclimatization
- Test practices for plant tissue culture and organic farming

Module 9: TAIR and Its Application, Knowledge of Seed, and BLAST of Plant Protein

- Introduction to TAIR
- Applications of TAIR in plant research
- Knowledge of seed structure and development
- Introduction to BLAST and its application in plant protein research

Practical:

- Practical exercises using TAIR
- Practical exercises on seed structure and development
- Practical exercises using BLAST

Module 10: Scope of Self Employment in Tissue Culture and Organic Farming, and Valedictory Function

- Opportunities for self-employment in tissue culture and organic farming
- Entrepreneurial skills for self-employment
- Valedictory function

ADOPTED

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

2.5 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore

Department of Biotechnology & Bioinformatics

Session: 2018-19

Attendance Sheet for Workshop / Value Added Course in Tissue Culturing of Medical Plants and Organic Farming

S.no	Student Name	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
1	BALWANT SITOLE	P	P	P	P	P	P	P	P	A	P
2	BHAWNA PRAKASH	P	P	P	P	P	P	P	P	P	P
3	BHUPENDRA BIRLA	P	P	P	P	P	P	P	P	P	P
4	DEEPAK PATIDAR	P	A	P	P	P	P	P	P	P	P
5	DEEPALI GUPTA	P	P	P	P	P	P	P	P	P	P
6	DEEPSHIKHA MISHRA	P	P	P	P	A	P	P	P	P	P
.	DILEEP MISHRA	P	P	P	P	P	P	P	P	A	P
8	DIVYA RANPISE	P	P	P	P	A	P	P	P	P	P
9	HARSHVARDHAN SINGH	P	P	P	P	A	P	P	P	P	P
10	JASLEEN KALRA	P	A	P	P	P	P	P	P	P	P
11	KOMAL PANWAR	P	P	P	P	P	P	P	P	P	P
12	KONICA KATARE	P	P	P	P	P	P	P	P	P	P
13	LOCKESH PATEL	P	P	P	P	P	A	P	P	P	P
14	MAHESH VARFA	P	P	P	P	P	P	P	P	P	P
15	MEERA BAMMIYA	P	P	P	P	P	P	P	P	P	P
16	MEGHA RATHORE	P	P	P	P	P	P	P	P	P	P
18	NIHARIKA SINGH	A	P	P	P	A	P	P	P	P	P
19	NILESWARI PATIDAR	P	P	P	P	P	P	P	P	P	P
20	NIRMAL MODI	P	P	P	P	P	P	P	P	P	P
	NISHA PRADHAN	P	P	A	P	P	P	P	P	A	P
22	NISHA SINGLE	P	P	P	P	P	P	P	P	P	P
23	NITESH KUMAR LOVEVANSHI	P	P	P	P	P	P	P	P	P	P
24	NITIGYA SOLANKI	P	P	P	P	P	P	P	P	P	P
25	NOVEEN INDOUREY	P	P	P	P	A	P	P	P	P	P
26	NUTIGYA SOLANKI	P	A	P	P	P	P	A	P	P	P
27	OMPRAKASH NAGAR	P	P	A	P	P	P	P	P	P	P
28	PARLY GUPTA	P	P	P	A	P	P	P	P	P	P
29	RAGINI VERMA	P	P	P	P	P	P	P	P	A	P
30	RAHUL CHOURASIA	A	P	P	P	P	P	P	P	P	P
31	RAKSHA MANDLOI	P	P	P	P	A	P	P	P	P	P
32	RAKSHA RATHORE	P	P	P	P	P	P	P	P	P	P
33	RASHMI PATEL	P	P	P	P	P	P	P	P	P	P
34	RAVINDRA KUMAR YADAV	P	P	P	P	P	P	P	P	A	P
35	ROSHAN NARGAVE	A	P	P	P	P	P	P	P	P	P
36	ROSHNI BIRLA	P	P	P	P	P	P	P	P	P	P
37	SAKSHI THOUKAR	P	A	P	P	P	P	P	P	P	P

38	SARYU RAWAT	P	P	P	P	P	P	P	P	P	P
39	SHANU MANDLOI	P	P	P	P	P	P	P	P	A	P
40	SHIKHA CHANDEL	P	P	P	P	P	P	P	P	P	P
41	SHIVANI SEN	P	A	P	P	P	P	A	P	P	P
42	SHRUTI JAIN	P	P	P	A	P	P	P	P	P	P
43	SONU GORANA	A	P	P	A	P	P	P	P	P	P
44	SOURABH PATIDAR	P	P	P	P	P	P	P	P	P	P
45	SUHARITA CHATTERGEE	P	P	P	P	P	P	P	P	P	P
46	SWARTI SHUKLA	P	P	P	P	P	P	P	P	P	P
47	TANVI SHAH	A	P	P	A	P	P	P	P	P	P
48	TASMIYA AHMED	P	P	P	P	P	P	P	P	P	P
49	TEENA SULE	P	P	P	P	A	P	P	P	P	P
50	URMILLA MANDLOI	P	P	A	P	P	P	P	P	P	P
51	UTTAM SINGH	P	P	P	P	A	P	P	P	P	P
52	VAIDEHI KHANDELWAL	P	P	P	P	P	P	P	P	P	P
53	YASHMITA GANJAM	P	P	P	P	A	P	P	P	P	P
54	PRIYANKA BISWAS	P	P	P	P	A	P	P	P	P	P
55	GOVINDA GOLE	P	P	P	P	P	P	P	P	P	P

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

2.6 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on *"Tissue Culturing of Medical Plants and Organic Farming"* has been organized by Department of Biotechnology & Swami Vivekananda Career Guidance Cell in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

Course Coordinator
SVCG Cell

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

Course Coordinator
Department of Biotechnology

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

3.

Computer Hardware & Networking

3.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE
UNDER THE UMBRELLA OF IQAC
NAAC
'A' GRADE
VALUE-ADDED CERTIFICATE COURSE
BY
DEPARTMENT OF COMPUTER SCIENCE
COMPUTER HARDWARE AND NETWORKING
COURSE START DATE: 07.09.2018
Content
• Introduction to Computer Hardware
• Operating System & Software Installation
• Networking Concepts
• Peripheral devices & Troubleshooting
• Advanced Computer Hardware & Networking Concepts
ELIGIBILITY:
COMPUTER SCIENCE STUDENTS
COURSE DURATION: 40 HRS
FOR REGISTRATIION, CONTACT:
DEPARTMENT OF COMPUTER SCIENCE
CONVENER
DR. PRADEEP SHARMA
HOD, COMPUTER SCIENCE

3.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF COMPUTER SCIENCE

NOTICE

Department of Computer Science is conducting the following value-Added Certificate course in

Computer Hardware & Networking

The classes shall be conducted by the faculty of the Department of Computer Science Government Holkar (Model, Autonomous) Science College, Indore & Industrial Experts.

Duration: 40 Hrs.

Date: 07/09/2018 to 27/09/2018

Time: 3.30 to 5.30PM

Strength: 30

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

3.3 Syllabus: -

Approved

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Computer Science
Session: 2018-19
Title: Computer Hardware & Networking

Outcomes: -

- Basic understanding of computer hardware and troubleshooting techniques.
- Understanding operating systems and software installation.
- Understanding networking concepts and troubleshooting techniques.
- Understanding peripheral devices and troubleshooting.
- Understanding advanced computer hardware and networking concepts and exploring emerging trends.

Syllabus: -

Module 1: Introduction to Computer Hardware:

- Overview of computer hardware and its block diagram
- Introduction to different types of memory (primary and secondary)
- Understanding the structure of RAM and ROM
- Introduction to hard disk (IDE, SATA, PATA)
- Overview of SMPS, its installation, and fan installation
- Introduction to motherboard, its structure, and how to connect pins
- Basic troubleshooting techniques for motherboard and CPU

Module 2: Operating Systems and Software Installation:

- Understanding different operating systems (Windows, Unix, Linux) and their functions
- Introduction to the functions of an operating system
- Overview of computer maintenance techniques (disk cleanup, disk defragmentation, etc.)
- Basic techniques for computer security (firewalls, antivirus, malware protection, etc.)
- How to install and uninstall software using Control Panel

Module 3: Networking Concepts:

- Introduction to networking and types of networking
- Overview of different network topologies and communication media
- Introduction to networking connection devices (HUB, repeater, modem, etc.)
- Basic troubleshooting techniques for networking issues

Module 4: Peripheral Devices and Troubleshooting:

- Basic introduction to peripheral devices such as printer, keyboard, mouse, and speakers
- Troubleshooting techniques for printer, keyboard, mouse, and speakers

Module 5: Advanced Computer Hardware and Networking Concepts:

- Understanding advanced computer hardware concepts (GPU, SSD, RAID, etc.)
- Advanced networking concepts (IP addressing, subnetting, VLANs, etc.)
- Understanding cloud computing and virtualization technologies

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

3.4 Schedule: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Computer Science
Session: 2018-19
Time Table for Value added course "Computer Hardware & Networking"

Module	Description	Date	Time	Name of Resource person
Moodule1	Introduction to Computer Hardware	22/11/2018 to 29/09/2018	3.30 to 5.30 PM	Shri Sanjay Vyas, HTP Computers, Indore
Module 2	Operating Systems and Software Installation	01/10/2018 to 07/10/2018	3.30 to 5.30 PM	
Module 3	Networking Concepts	08/10/2018 to 12/10/2018	3.30 to 5.30 PM	
Module 4	Peripheral Devices and Troubleshooting	13/10/2018 to 18/10/2018	3.30 to 5.30 PM	
Module 5	Advanced Computer Hardware and Networking Concepts	20/10/2018 to 26/10/2018	3.30 to 5.30 PM	
On the last day of every module, there will be an assessment test				

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

3.5 Students List: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE
DEPARTMENT OF COMPUTER SCIENCE
Session: 2018-19
Award list for a value-added course on "Computer Hardware & Networking"

S.No.	Name of Student	Module I	Module II	Module III	Module IV	Module V	TOTAL
1	NAHAR SINGH	6	8	7	6	7	34
2	MANSHARAM	9	8	7	6	9	39
3	KAILASH	8	5	6	7	9	35
4	RAMLAL	5	7	5	6	8	31
5	LAXMINARAYAN	6	9	5	7	6	33
6	BHAGIRATH	9	7	6	6	7	35
7	JITENDRA	6	5	5	9	8	33
8	RAJESH	A	A	A	A	A	A
9	RAMBADAN	8	5	5	7	6	31
10	SNEHA KATARE	6	5	5	9	8	33
11	SAKSHI YADAV	6	6	8	5	9	34
12	PRINCE GUPTA	A	A	A	A	A	A
13	SOHAN	9	6	8	7	8	38
14	THAKUR AKHILESH SINGH	6	9	8	8	8	39
15	JAGDISH	6	9	9	7	7	38
16	RAMESHWAR	6	7	5	6	8	32
17	RAVENDRA PANDEY	6	5	5	9	8	33
18	SHIVANI VISHWAKARMA	A	A	A	A	A	A
19	PAYAL KAYASTH	6	5	7	6	8	32
20	PRANEETA JOSHI	8	6	8	9	7	38

21	PRERITA JOSHI	6	9	5	7	6	33
22	SAKSHI PATIDAR	9	7	6	6	7	35
23	RAJESH MODI	7	7	6	6	8	34
24	BARDI LAL	6	9	5	7	6	33
25	SHIVANI JAIN	5	6	6	8	9	34
26	SHOBHNA VERMA	9	7	6	6	7	35
27	JYOTI MUKATI	6	9	8	8	8	39
28	SONAL PATIL	8	5	5	7	6	31
29	SURYALI JAIN	6	9	5	7	6	33

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

3.6 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on *"Computer Hardware & Networking"* has been organized by Dr. Sanjay & Expert Team under the aegis of the Department of Computer Science in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

Course Coordinator
Department of Computer Science

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

4.

Chem-Informatics and Biophysical Techniques

4.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE
ORGANIZED BY: DEPARTMENT OF CHEMISTRY
UNDER THE UMBRELLA OF IQAC
NAAC
'A' GRADE
Value-added Certificate Course
on
CHEM-INFORMATICS AND BIOPHYSICAL TECHNIQUES
FOCAL THEME:
SKILL ENHANCEMENT
DURATION: 36 HOURS
(01.02.2019 TO 11.02.2019)
ELIGIBILITY:
OPEN FOR CHEMISTRY BACKGROUND STUDENTS
COURSE HIGHLIGHTS
• INTRODUCTION TO BIOMOLECULES
• BASICS OF CHEMIINFORMATICS
• CHEMICAL DATABASES
• COMPUTER-AIDED DRUG DESIGN
• HOMOLOGY MODELING
• DFT
• INSTRUMENTAL ANALYSIS
FOR REGISTRATIION, CONTACT:
DEPARTMENT OF CHEMISTRY
CO-CONVENER
DR. P.K. JAIN
PROFESSOR, CHEMISTRY
CONVENER
DR. ANAMIKA JAIN
HOD, CHEMISTRY
PATRON
DR. ROOPLEKHA VYAS
PRINCIPAL

4.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF CHEMISTRY

NOTICE

Department of Chemistry is conducting the following workshop / value-Added Certificate course in

Cheminformatics & Biophysical Techniques

The classes shall be conducted by the faculty of the Department of Chemistry, Government Holkar (Model Autonomous) Science College, Indore.

Duration: 36 Hrs.

Date: Feb 1, 2019 to Feb 11, 2019

Time: 11.30 AM to 4.00PM

Strength: 100

4.3 Syllabus: -

Approved

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Chemistry
Session: 2018-19
Syllabus for Workshop / Value Added Course in Cheminformatics & Biophysical Techniques

Outcomes: -

- Introduction to Biomolecules - Students will gain an understanding of the role of biomolecules in our body and everyday life.
- Laboratory Practices and Precautions - Students will learn best laboratory practices and precautions to ensure accuracy and safety during practicals.
- Introduction to Cheminformatics - Students will gain knowledge of the basics of cheminformatics and its applications in various research and industrial sectors.
- Computer-Aided Drug Design (CADD) and Homology Modeling - Students will gain knowledge of computer-aided drug design (CADD) and homology modeling as techniques for drug design.
- Biophysical Techniques and Instrumentation - Students will receive hands-on training on various biophysical techniques and the importance of cheminformatics and biophysical techniques in research fields.

Module 1: Introduction to Biomolecules:

- Overview of biomolecules and their role in our body and everyday life.
- Simplified explanation of biomolecules such as carbohydrates, proteins, lipids, and nucleic acids.
- Importance of studying biomolecules in various fields.

Module 2: Laboratory Practices and Precautions:

- Best practices to follow in the laboratory.
- How to reduce errors during practicals.
- Precautions to keep in mind while in the lab.
- Introduction to laboratory safety guidelines.

Module 3: Introduction to Cheminformatics:

- Basics of cheminformatics and its application in various research and industrial sectors.
- Library visit and project work by students.
- Importance of chemical databases and their use in drug design.

Module 4: Computer-Aided Drug Design (CADD) and Homology Modeling:

- Overview of CADD and its role in drug design.
- Tools used in CADD and their importance.
- Introduction to homology modeling and its application in drug design.

Module 5: Biophysical Techniques and Instrumentation:

- Introduction to DFT (Density Functional Theory) and hands-on training.
- Working demonstration of FTIR (Fourier Transform Infrared Spectroscopy) and Spectroscopy.
- Working of spectrophotometric and its applications.
- Scope on cheminformatics and biophysical techniques in various research fields.

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

4.4 Students List: -

Govt. Holkar (Model Autonomous) Science College, Indore

Department of Chemistry

Session: 2018-19

Students List for Workshop / Value Added Course in Cheminformatics & Biophysical Techniques

S. No.	Name of Students	Institute
1	Aastha Mandlik	HSC, Indore
2	Mohit Patidar	HSC, Indore
3	Himanshi Patel	HSC, Indore
4	Nikita Yadav	HSC, Indore
5	Aqsa Ansari	HSC, Indore
6	Namrata Kumrawat	HSC, Indore
7	Iftsam	HSC, Indore
8	Pallavi Katare	HSC, Indore
9	Kalpana Patidar	HSC, Indore
10	Vaishali Ghavri	HSC, Indore
11	Bharti Masre	HSC, Indore
12	Vijiya Thakur	HSC, Indore
13	Bhavana Gangle	HSC, Indore
14	Akash Tripathi	HSC, Indore
15	Rajni Pal	HSC, Indore
16	Madhu Patel	HSC, Indore
17	Pooja Pal	HSC, Indore
18	Jagrati Verma	HSC, Indore
19	Deepika Maurya	HSC, Indore
20	Sakshi Pare	HSC, Indore
21	Sarika Singh	HSC, Indore
22	Deepak Maurya	HSC, Indore
23	Akanksha Shrivastava	HSC, Indore
24	Rahul Waskale	HSC, Indore
25	Kamlesh Verma	HSC, Indore
26	Nikita Dhurve	HSC, Indore
27	Aayushi Patidar	HSC, Indore
28	Deepali Patidar	HSC, Indore
29	Rupali Verma	HSC, Indore
30	Aditi Jain	HSC, Indore
31	Sanskruti Verma	HSC, Indore
32	Rupali Patel	HSC, Indore
33	Shubham Rathod	HSC, Indore
34	Tasmiya Ahmed	HSC, Indore
35	Nileshwari Patidar	HSC, Indore
36	Bhavna Prakash	HSC, Indore
37	Parly Gupta	HSC, Indore
38	Roshni Birla	HSC, Indore
39	Rahul Chourasia	HSC, Indore

40	Shanu Mandloi	HSC, Indore
41	Omprakash Nagar	HSC, Indore
42	Balwant Sitole	HSC, Indore
43	Sakshi Thoukar	HSC, Indore
44	Nirmal Modi	HSC, Indore
45	Nisha Singh	HSC, Indore
46	Swati Shukla	HSC, Indore
47	Priyanka Biswas	HSC, Indore
48	Sitara	HSC, Indore
49	Shubham Lobaniya	HSC, Indore
50	Jay Hardiya	HSC, Indore
51	Aayushi Sharma	HSC, Indore
52	Vidhya Chamyal	HSC, Indore
53	Pranjali Choudhary	HSC, Indore
54	Sapna Yadav	HSC, Indore
55	Shivraj Kumhar	HSC, Indore
56	Swati Tiwari	HSC, Indore
57	Preeti Patidar	HSC, Indore
58	Ashok Kumar	HSC, Indore
59	Vikalp Sisodiya	HSC, Indore
60	Megha Kaushal	HSC, Indore
61	Vishnu Prasad	HSC, Indore
62	Ambar Nakswal	HSC, Indore
63	Rupali Hardia	HSC, Indore
64	Sheetal Dodwa	MJG College Indore
65	Payal Verma	MJG College Indore
66	Nirmala Chouhan	MJG College Indore
67	Renuka Ostwal	MJG College Indore
68	Gayatri Chouhan	MJG College Indore
69	Ashvini Amolkar	MJG College Indore
70	Ankita Bholsle	MJG College Indore
71	Uma Mehar	MJG College Indore
72	Nikki Gupta	MJG College Indore
73	Sapna Bharti	MJG College Indore
74	Aishwarya Bhawsar	MJG College Indore
75	Raksha Patidar	MJG College Indore
76	Deepika Karma	MJG College Indore
77	Diksha Banodha	MJG College Indore
78	Maya Chouhan	MJG College Indore
79	Maya Mandloi	MJG College Indore
80	Roshani Bhosle	MJG College Indore
81	Jyoti Rane	MJG College Indore
82	Divya Joshi	MJG College Indore
83	Priya Nagar	MJG College Indore
84	Aditi Kumawat	MJG College Indore
85	Monika Borade	MJG College Indore
86	Roshani Mukati	MJG College Indore
87	Pragya Randwa	MJG College Indore

88	Sonam Tiwari	MJG College Indore
89	Kamini Badole	MJG College Indore
90	Varsha Lacheta	MJG College Indore
91	Nargis Aalam	MJG College Indore
92	Shraddha Agrawal	MJG College Indore
93	Neha Patel	MJG College Indore
94	Sakshi Rawal	MJG College Indore
95	Ishita Ijardar	MJG College Indore
96	Dimpal Gupta	MJG College Indore
97	Kiran Benal	MJG College Indore
98	Vishu Nath	MJG College Indore
99	Minakshi Patidar	MJG College Indore
100	Gayatri Mishra	MJG College Indore

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College, INDORE

4.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on ***"Chem-Informatics and Biophysical Techniques"*** has been organized by the Departments of Chemistry, Biotechnology, and Bioinformatics in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

Course Coordinator
Department of Chemistry

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College INDORE

Verified by IQAC

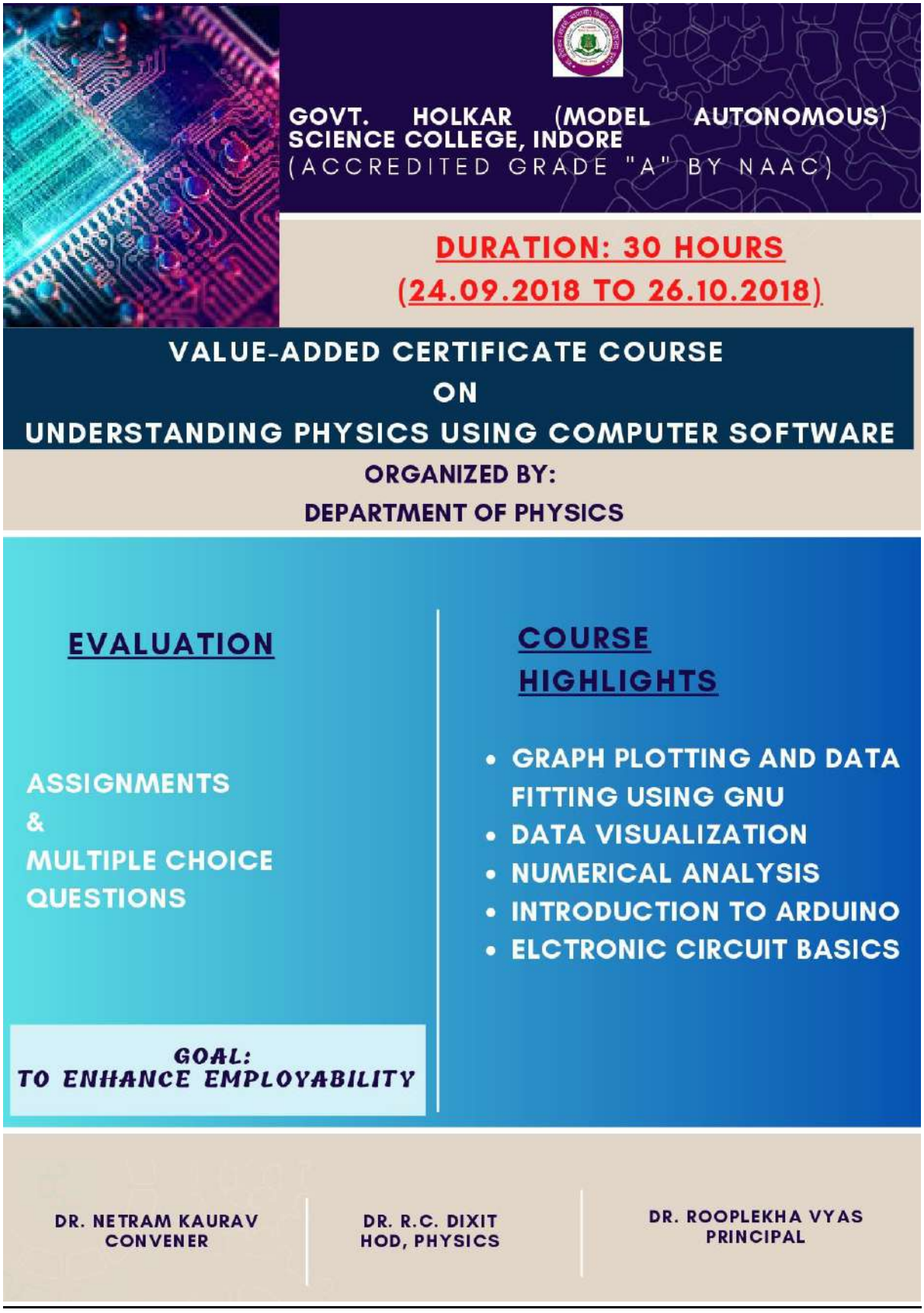
IQAC Coordinator
Government Holkar (Model Autonomous)

10

5.

Understanding Physics using Computer Software

5.1 Brochure: -


GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE
(ACCREDITED GRADE "A" BY NAAC)
DURATION: 30 HOURS
(24.09.2018 TO 26.10.2018)
VALUE-ADDED CERTIFICATE COURSE
ON
UNDERSTANDING PHYSICS USING COMPUTER SOFTWARE
ORGANIZED BY:
DEPARTMENT OF PHYSICS
EVALUATION
ASSIGNMENTS
&
MULTIPLE CHOICE
QUESTIONS
GOAL:
TO ENHANCE EMPLOYABILITY
COURSE
HIGHLIGHTS
• GRAPH PLOTTING AND DATA FITTING USING GNU
• DATA VISUALIZATION
• NUMERICAL ANALYSIS
• INTRODUCTION TO ARDUINO
• ELCTRONIC CIRCUIT BASICS
DR. NETRAM KAURAV
CONVENER
DR. R.C. DIXIT
HOD, PHYSICS
DR. ROOPLEKHA VYAS
PRINCIPAL

5.2 Notice: -

शासकीय होलकर (आदर्श, स्वशासी) विज्ञान महाविद्यालय, इंदौर
(मध्य प्रदेश)

आवश्यक सूचना

महाविद्यालय के समस्त छात्र छात्राओं को सूचित किया जाता है कि भौतिक शास्त्र विभाग द्वारा **"Understanding Physics Using Computer Softwares"** विषय पर एक वैल्यू एडेड कोर्स दिनांक 24 सितम्बर 2018 से प्रारंभ किया जा रहा है। जो भी छात्र–छात्र उक्त पाठ्यक्रम के संबंध में कोई जानकारी चाहते हैं आथवा इस पाठ्यक्रम में पंजीयन करवाना चाहते हैं, भौतिक शास्त्र विभाग में दिनांक 20 सितम्बर 2018 तक अपना पंजीयन करावें।

विभाग प्रमुख
भौतिकशास्त्र
शास. होलकर (आदर्श, स्वशासी)
विज्ञान महा., इंदौर (म. प्र.)

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF PHYSICS

NOTICE

Department of physics is conducting the following value added Certificate course in

UNDERSTANDING PHYSICS USING COMPUTER SOFTWARE

The classes shall be conducted by the faculty of the Department of Physics & Computer Science, Government Holkar (Model, Autonomous) Science College, Indore.

Duration: 30 hrs.

Date: September 24, 2018, to October 26, 2018

Holidays: All Sunday, 2 Oct, 19 Oct,24 Oct.

Time: 4:00 to 5:20 PM

Strength: 35

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शा. होलकर विज्ञान महाविद्यालय
इन्दौर

5.3 Syllabus: -

UNDERSTANDING PHYSICS USING COMPUTER SOFTWARES

(Value added Certificate Course in Physics)

Syllabus

Course Out Comes:

Students will learn to use various softwares for data fitting and visualization. They will also get hands-on experience in easy methods of carrying out numerical analysis using Excel. Some software's for symbolic calculations will also be introduced. Simulating electronic circuits on a computer will be taught. Most of these software's can run on any Android mobile phone. Basic knowledge of Arduino

Course Content:

Module 1 Graph plotting and data fitting using gnu plot: drawing simple, surface, contour plots, fitting curves to data, setting labels, legends and saving the figures in different formats, making batch file, etc.

Module 2 Data visualization and simple numerical analysis using Excel: Plotting different plots from the given data.

Module 3 Perform simple numerical differentiation and integration: To solve some problems in physics, generate a trajectory of a simple nonlinear mapping and study various bifurcations, so on.

Module 4 Introduction to Arduino

Module 5 Electronic Circuit Basics:

EVALUATION Assignments & multiple choice test

WHO SHOULD DO IT? Physics Undergraduate and PG students

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

5.4 Schedule: -

Government Holkar (Model, Autonomous) Science College Indore

Department of Physics

Time Table for Value added course "Understanding Physics using Computer Software"

Module	Description	Date	Time	Name of Resource person
Moodule1	Graph plotting and data fitting using gnu plot: drawing simple, surface, contour plots, fitting curves to data, setting labels, legends and saving the figures in different formats, making batch file, etc	**24/09/2018 to 29/9/2018**	**4.00 to 5.20**	**Dr.P.K.Sharma**
Module 2	Data visualisation and simple numerical analysis using Excel: Plotting different plots from the given data.	**1/10//2018 to 06/10/2018**	**4.00 to 5.20**	**Dr R.C. Dixit**
Module 3	Perform simple numerical differentiation and integration: To solve some problems in physics, generate a trajectory of a simple nonlinear mapping and study various bifurcations, so on.	**8/10/2018 to 12/10/2018**	**4.00 to 5.20**	**Dr Nidhi Parmar**

Module 4	Introduction to Arduino	**13/10/2018 to 18/10/2018**	**4.00 to 5.20**	**DR. Bhavna Chourcsia**
Module 5	Electronic Circuit Basics	**20/10/2018 to 26/10/2018**	**4.00 to 5.20**	**Dr Netram Kaurav**
On the last day of every module, there will be an assessment test				

अध्यापक एवं विभागाध्यक्ष
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शा. होलकर विज्ञान महाविद्यालय
इन्दौर

5.5 Students List: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF PHYSICS

Enrolled student list for a value-added course

(UNDERSTANDING PHYSICS USING COMPUTER SOFTWARES)

1	BHUNESHVAR YADAV	DS1114541
2	GAURAV THAKUR	DS1412564
3	JAYESH PRAJAPAT	DS1412439
4	KHUSHBOO MALI	DS1411652
5	LAXMI WASKLE	DS1308417
6	MEENAL KESHARE	DS1406703
7	MONIKA MALVIYA	DS1716684
8	NIDHI SAINI	DS1413337
9	PREETI HUDE	DS1716702
10	PRIYANKA LADKIYA	DS1409187
11	RAJKIRAN JAISWAL	DS1413550
12	RASHMI THAKUR	DS1412589
13	RUPALI ARYA	DS1413657
14	SALONI SHARMA	DS1716703
15	SANDEEP KUMAR GAUTAM	DS1413702
16	SEEMA RAO KADVE	DS1408606
17	SHREYA RAGHUVANSHI	DS1413824
18	SWATI PAWAR	DS1414202
19	TEJASVINI SHARMA	DS1716704
20	TUSHAR DAVE	DS1413991
21	ANANYA SHARMA	DS1410388
22	DEEPSHIKHA SOORMA	DS1716701
23	DIVYANI	DS1412563
24	AARTI MEHRA	DS1401657
25	AMAN KHARE	DS1716680
26	ARTI PALIWAL	DS1405956
27	BHARTI CHOUDHARY	DS1412100
28	DEEKSHA RAI	DS1716681
29	DEVESH KEVADE	DS1302331
30	DIVYA AGRAWAL	DS1716682

अध्यापक एवं विभागाध्यक्ष
भौतिकी विभाग
होलकर विज्ञान महाविद्यालय
इन्दौर

5.6 Students Award List: -

प्रति,

परीक्षा नियंत्रक
शास. होलकर (आदर्श, स्वशासी) विज्ञान महाविद्यालय
इंदौर मध्य प्रदेश

विषय :– **"Value Added Certificate Course"** के उत्तीर्ण विद्यार्थियों को प्रमाण–पत्र प्रदान करने विषयक।

महोदय,

उपरोक्त विषय में लेख है कि भौतिक शास्त्र विभाग द्वारा दिनांक 24 सितम्बर 2018 से 26 अक्टूबर 2018 तक **(Understanding Physics using Computer Software)** विषय पर **Value Added Certificate Course** आयोजित किया गया इस पाठ्क्रम में कुल 30 विद्यार्थियों ने अपना पंजीयन करवाया इनमें से 26 विद्यार्थियों ने इस पाठ्क्रम को सफलतापूर्वक पूर्ण किया। कृपया संलग्न **Award List** अनुसार पाठ्यक्रम पूर्ण करने वाले विद्यार्थियों को प्रमाण–पत्र प्रदान करने का कष्ट करें।

विभाग प्रमुख
भौतिक शास्त्र

प्राध्यापक एवं विभागाध्यक्ष
भौतिकी विभाग
शास. होलकर विज्ञान महाविद्यालय
इन्दौर

Government Holkar (Model Autonomous) Science College, Indore									
DEPARTMENT OF PHYSICS (2018- 2019)									
Award list for a value-added course (UNDERSTANDING PHYSICS USING COMPUTER SOFTWARES)									
S. No	Name of Student	Enrollment	Sem	Module I 10	Module II 10	Module III 10	Module IV 10	Module V 10	TOTAL OUT OF 50
1	AARTI MEHRA	DS1401657	I	9	7	6	6	9	37
2	AMAN KHARE	DS1716680	I	7	8	6	9	5	35
3	ANANYA SHARMA	DS1410388	I	8	7	9	8	7	39
4	ARTI PALIWAL	DS1405956	I	5	7	5	5	9	31
5	BHARTI CHOUDHARY	DS1412100	I	5	8	5	8	8	34
6	BHUNESHVAR YADAV	DS1114541	I	9	6	8	8	8	39
7	DEEKSHA RAI	DS1716681	I	6	8	8	5	6	33
8	DEEPSHIKHA SOORMA	DS1716701	I	9	9	9	8	5	40
9	DEVESH KEVADE	DS1302331	I	6	8	7	5	9	35
10	DIVYA AGRAWAL	DS1716682	I	6	7	6	7	6	32
11	DIVYANI	DS1412563	I	9	8	6	5	8	36
12	GAURAV THAKUR	DS1412564	I	A	A	A	A	A	A
13	JAYESH PRAJAPAT	DS1412439	I	8	9	5	5	5	32
14	KHUSHBOO MALI	DS1411652	I	6	7	7	9	5	34
15	LAXMI WASKLE	DS1308417	I	7	5	8	5	8	33
16	MEENAL KESHARE	DS1406703	I	7	6	6	6	8	33
17	MONIKA MALVIYA	DS1716684	I	9	5	7	8	8	37
18	NIDHI SAINI	DS1413337	I	A	A	A	A	A	A
19	PREETI HUDE	DS1716702	I	5	9	9	9	9	41
20	PRIYANKA LADKIYA	DS1409187	I	6	7	5	8	6	32

प्राध्यापक एवं विभागाध्यक्ष
भौतिकी विभाग
शा. होलकर विज्ञान महाविद्यालय
इन्दौर

21	RAJKIRAN JAISWAL	DS1413550	I	7	5	6	9	7	A
22	RASHMI THAKUR	DS1412589	I	8	9	8	5	6	36
23	RUPALI ARYA	DS1413657	I	A	A	A	A	A	A
24	SALONI SHARMA	DS1716703	I	9	9	8	8	7	41
25	SANDEEP KUMAR GAUTAM	DS1413702	I	7	5	7	8	8	35
26	SEEMA RAO KADVE	DS1408606	I	6	9	8	8	8	39
27	SHREYA RAGHUVANSHI	DS1413824	I	5	6	8	6	9	A
28	SWATI PAWAR	DS1414202	I	8	6	8	5	9	36
9	TEJASVINI SHARMA	DS1716704	I	8	7	5	6	8	34
30	TUSHAR DAVE	DS1413991	I	5	7	5	9	7	33

प्राध्यापक एवं विभागाध्यक्ष
भौतिकी विभाग
स. होलकर विज्ञान महाविद्यालय
इन्दौर

5.7 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on *"Understanding Physics using Computer Software"* has been organized by Department of Physics in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

Course Coordinator
Department of Physics

Verified by IQAC

6.

Applied Zoology for Entrepreneurs

6.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

UNDER THE UMBRELLA OF IQAC

NAAC 'A' GRADE

VALUE-ADDED CERTIFICATE COURSE

ORGANIZED BY: DEPARTMENT OF ZOOLOGY

APPLIED ZOOLOGY FOR ENTREPRENEURS

EMPLOYABILITY:
AS ENTREPRENEUERS

ELIGIBILITY:
GRADUATES &
POST-GRADUATES

DURATION: 30 HOURS
(24.09.2018 TO 26.10.2019)

FOR REGISTRATIION, CONTACT:
DR. SANTOSH GEHARWAL
DEPARTMENT OF ZOOLOGY

CO-CONVENER
DR. SANTOSH GEHARWAL
ASST. PROFESSOR, ZOOLOGY

CONVENER
DR. V.K.SHARMA
PROFESSOR, ZOOLOGY

6.2 Notice: -

शासकीय होलकर (आदर्श, स्वशासी) विज्ञान महाविद्यालय, इंदौर
(मध्य प्रदेश)

आवश्यक सूचना

महाविद्यालय के समस्त छात्र छात्राओं को सूचित किया जाता है कि प्राणी शास्त्र विभाग द्वारा "**Applied Zoology for Entrepreneurs**" विषय पर एक वैल्यू एडेड कोर्स दिनांक 24 सितम्बर 2018 से प्रारंभ किया जा रहा है। जो भी छात्र–छात्र उक्त पाठ्यक्रम के संबंध में कोई जानकारी चाहते हैं आथवा इस पाठ्यक्रम में पंजीयन करवाना चाहते हैं, प्राणी शास्त्र विभाग में दिनांक 20 सितम्बर 2018 तक अपना पंजीयन करावें।

for
RSRaj

पाठ्यक्रम समन्वयक
प्राणी शास्त्र
शास. होलकर (आदर्श, स्वशासी)
विज्ञान महा., इंदौर (म. प्र.)

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF ZOOLOGY

NOTICE

Department of ZOOLOGY is conducting following Certificate course on

Applied Zoology for Entrepreneurs

The classes shall be conducted by the faculty of the Department of Zoology & Fisheries, Government Holkar (Model Autonomous) Science College, Indore

Duration: 30 Hrs.

Date: September 24 ,2018 to October 26,2018

Holidays: All Sundays, 2 October, 19 October, 24 October.

Time: 4.00 to 5.20PM

Strength: 35

For

Rohaf

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

6.3 Syllabus: -

Applied Zoology for Entrepreneurs

Syllabus

Course objectives:

1. Gain knowledge about silkworms, Bee keeping and insect pests.
2. Students will understand dairy animal management, the breeds and diseases of cattle and learn the testing of milk quality.
3. Learn various concepts about Vermiculture and gain basic information about aquaculture and poultry

Course Outcomes:

1. Students can start their own business i.e. self-employment.
2. Get employment in different applied sectors of Zoology
3. Students should be able to design an appropriate management strategy with consideration for sustainability

Course Content

Module 1.

Sericulture History and status of sericulture in India, Silkworm rearing techniques: Processing of cocoon, reeling, Silkworm diseases and pest control.

Module 2.

Apiculture Introduction, Species of honey bees in India, life cycle of Apis indica, division of labour and communication, Bee keeping as an agro based industry, extraction of honey from the comb and processing, Bee pasturage, honey, bees wax and their uses, pests and diseases of bees and their management

Module 3.

Pest management Structural organization of an insect, Categories and types of insect pests, Agricultural pests (pests of crops and stored food products), Veterinary insects, Pests of public health importance (Mosquito, House fly, Louse, Bed bugs), urban pests (cockroach), Basics of pest control

Module 4

Vermiculture: Scope of vermiculture, Types of earthworms, Methodology of vermicomposting: containers for culturing, raw materials required, preparation of bed, environmental pre-requisites, feeding, harvesting and storage of vermicompost. Advantages of vermicomposting.

Module 5.

Aquaculture: Introduction, Types of aquaculture: Pond culture; carp culture, shrimp culture, shellfish culture, composite fish culture and pearl culture. Common fishes used for culture. Construction and maintenance of aquarium - materials used, aquarium plants, ornamental objects, cleaning the aquarium. Culture of fresh and marine water prawns. Preparation of farm. Preservation and processing of prawn, export of prawn

EVALUATION Assignments & multiple choice test

WHO SHOULD DO IT? Zoology Undergraduate and PG students

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

6.4 Schedule: -

Govt. Holkar Science College Indore

Department of Zoology

Time Table for Value added course "Applied Zoology for Entrepreneurs"

Module	Description	Date	Time	Name of Resource person
Moodule1	**Sericulture** History and status of sericulture in India, Silkworm rearing techniques: Processing of cocoon, reeling, Silkworm diseases and pest control	**24/09/2018 to 29/09/2018**	**4.00 to 5.20**	**Dr. Vipul k Sharma**
Module 2	**Apiculture** Introduction, Species of honey bees in India, life cycle of Apis indica, division of labour and communication, Bee keeping as an agro based industry, extraction of honey from the comb and processing, Bee pasturage, honey, bees wax and their uses, pests and diseases of bees and their management .	**01/10/2018 to 06/10/2018**	**4.00 to 5.20**	**Dr Rekha Sharma**
Module 3	**Pest management** Structural organization of an insect, Categories and types of insect pests, Agricultural pests (pests of crops and stored food products), Veterinary insects, Pests of public health importance (Mosquito, House fly, Louse, Bed bugs), urban pests (cockroach), Basics of pest control	**08/10/2018 to 12/10/2018**	**4.00 to 5.20**	**Dr Santosh Geharwal**

Module 4	**Vermiculture:** Scope of vermiculture, Types of earthworms, Methodology of vermicomposting: containers for culturing, raw materials required, preparation of bed, environmental pre-requisites, feeding, harvesting and storage of vermicompost. Advantages of vermicomposting.	**13/10/2018 to 18/10/2018**	**4.00to 5.20**	**DR. Kiran Billore**
Module 5	**Aquaculture:** Introduction, Types of aquaculture: Pond culture; carp culture, shrimp culture, shellfish culture, composite fish culture and pearl culture. Common fishes used for culture. Construction and maintenance of aquarium - materials used, aquarium plants, ornamental objects, cleaning the aquarium. Culture of fresh and marine water prawns. Preparation of farm. Preservation and processing of prawn, export of prawn	**20/10/2018 to 26/10/2018**	**4.00to 5.20**	**Dr Ruchi Shivale**
On the last day of every module, there will be an assessment test				

ROY

RSLay

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

6.5 Students List: -

Govt. Holkar (Model Autonomous) Science College Indore		
Department of Zoology		
Applied Zoology for Entrepreneurs		
List of participants (2018-2019)		
S.No.	**Name**	**Enrollment No.**
1	GOPAL KRISHNA JATAV	DS1716707
2	ASHWINEE SINGH RAJAWAT	DS1412796
3	DIKSHA TRIPATHI	DS1716706
4	MANMOHAN SISODIYA	DS1201305
5	RAHUL KHEREKAR	DS1413521
6	AKANKSHA BAHREY	DS1716705
7	RENU KANSLIWAL	DS1413612
8	RUCHI SONGARA	DS1414384
9	SARASWATI SANORIYA	DS1413744
10	SARITA JAMRA	DS1413747
11	SHEETAL RANDA	DS1413790
12	SHIVANI SHARMA	DS1716710
13	SHOBHA SINGLA	DS1716711
14	SWETA MISHRA	DS1413867
15	SIMRAN SURYAVANSHI	DS1403588
16	JASMINE JOY	DS1716708
17	PRATIKSHA SEPTA	DS1413463
18	PREMANKUR SHUKLA	DS1716677
19	URVASHI GAYAKWAD	DS1414000
20	VIDISHA SEPTA	DS1312698
21	AAJAM SHEIKH	DS1311461
22	AKANKSHA PATEL	DS1311505
23	AMIT SOLANKI	DS1311523

Head
Dept. of Zoology

24	AYUSHI MISHRA	DS1301434
25	NANDINI ATOOT	DS1312081
26	NEHA BHALSE	DS1312104
27	PRIYANKA RAM	DS1308072
28	RASHMI GOSAR	DS1312375
29	SAMINA PITHAWALA	DS1312451
30	SHEETAL CHOUHAN	DS1312513

For
Rshaf

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

6.6 Students Award List: -

प्रति,

परीक्षा नियंत्रक

शास. होलकर (आदर्श, स्वशासी) विज्ञान महाविद्यालय

इंदौर मध्य प्रदेश

विषय :– **"Value Added Certificate Course"** के उत्तीर्ण विद्यार्थियों को प्रमाण–पत्र प्रदान करने विषयक।

महोदय,

उपरोक्त विषय में लेख है कि प्राणी शास्त्र विभाग द्वारा दिनांक 24 सितम्बर 2018 से 26 अक्टूबर 2018 तक **(Applied Zoology For Entrepreneurs)** विषय पर **Value Added Certificate Course** आयोजित किया गया इस पाठ्क्रम में कुल 30 विद्यार्थियों ने अपना पंजीयन करवाया इनमें से 27 विद्यार्थियों ने इस पाठ्क्रम को सफलतापूर्वक पूर्ण किया कृपाया संलग्न **Award List** अनुसार पाठ्यक्रम पूर्ण करने वाले विद्यार्थियों को प्रमाण–पत्र प्रदान करने का कष्ट करें।

For

Rohaf

विभाग प्रमुख

प्राणी शास्त्र

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indr...

Govt. Holkar (Model Autonomous) Science College Indore									
Department of Zoology									
Award list for course Value Added certificate Course "Applied Zoology for Entrepreneurs"(2018-19)									
S.No.	Name	Enrollment No	Sem.	M1(10)	M2 (10)	M3 (10)	M4 (10)	M5 (10)	Total
1	GOPAL KRISHNA JATAV	DS1716707	II	9	6	9	5	6	35
2	ASHWINEE SINGH RAJAWAT	DS1412796	II	9	8	6	7	5	35
3	DIKSHA TRIPATHI	DS1716706	II	5	7	5	6	9	32
4	MANMOHAN SISODIYA	DS1201305	II	6	9	7	8	6	36
5	RAHUL KHEREKAR	DS1413521	II	6	6	8	8	5	33
6	AKANKSHA BAHREY	DS1716705	II	7	7	5	5	7	31
7	RENU KANSLIWAL	DS1413612	II	5	7	6	9	9	36
8	RUCHI SONGARA	DS1414384	II	9	7	9	6	8	39
9	SARASWATI SANORIYA	DS1413744	II	6	6	7	5	6	30
10	SARITA JAMRA	DS1413747	II	7	9	6	5	8	35
11	SHEETAL RANDA	DS1413790	II	5	8	6	6	8	33
12	SHIVANI SHARMA	DS1716710	II	6	8	5	9	7	35
13	SHOBHA SINGLA	DS1716711	II	9	9	7	9	8	42
14	SWETA MISHRA	DS1413867	II	7	6	8	6	6	33
15	SIMRAN SURYAVANSHI	DS1403588	II	7	7	6	8	5	33
16	JASMINE JOY	DS1716708	II	5	8	7	8	8	36
17	PRATIKSHA SEPTA	DS1413463	II	6	7	7	7	7	34
18	PREMANKUR SHUKLA	DS1716677	II	A	A	A	A	A	A
19	URVASHI GAYAKWAD	DS1414000	II	6	6	5	5	6	28
20	VIDISHA SEPTA	DS1312698	II	7	5	6	8	5	31
21	AAJAM SHEIKH	DS1311461	II	8	7	7	6	8	36
22	AKANKSHA PATEL	DS1311505	II	6	7	5	5	7	30
23	AMIT SOLANKI	DS1311523	II	7	8	5	8	5	33
24	AYUSHI MISHRA	DS1301434	II	A	A	A	A	A	A
25	NANDINI ATOOT	DS1312081	II	9	7	6	7	6	35
26	NEHA BHALSE	DS1312104	II	9	6	5	7	7	34
27	PRIYANKA RAM	DS1308072	II	A	A	A	A	A	A
28	RASHMI GOSAR	DS1312375	II	5	5	7	5	6	28
29	SAMINA PITHAWALA	DS1312451	II	6	5	5	7	9	32
30	SHEETAL CHOUHAN	DS1312513	II	7	6	5	5	9	32

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

6.7 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on *"Applied Zoology for Entrepreneurs"* has been organized by Department of Zoology in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

Course Coordinator
Department of Zoology
Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

7.

Bioinformatics Analysis from Genomics to Proteomics

7.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

UNDER THE UMBRELLA OF IQAC

9TH SEPT TO 21ST SEPT 2018

BIOINFORMATICS ANALYSIS FROM GENOMICS TO PROTEOMICS

Value-added Course

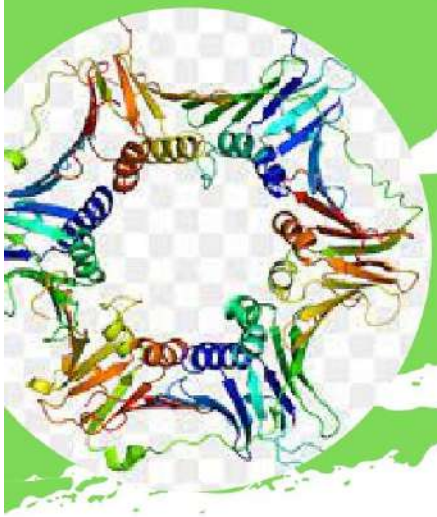
by

Department of Biotechnology & Bioinformatics

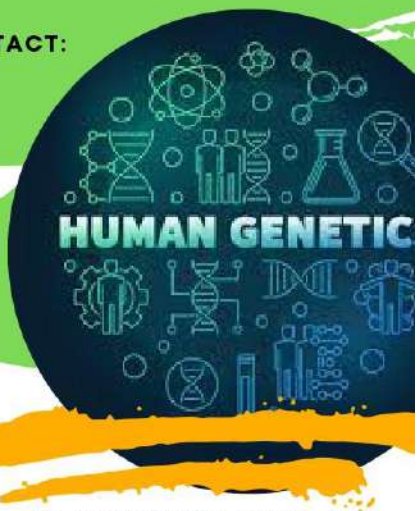
Focal Theme: Skill Enhancement

Course Duration: 30 hours

Eligibility: All Regular Students



FOR REGISTRATIION, CONTACT:
DEPARTMENT OF
BIOTECHNOLOGY &
BIOINFORMATICS



DR. KIRAN BILLORE
HOD, BIOINFORMATICS

DR. ROOPLEKHA VYAS
PRINCIPAL

7.2 Notice: -

शासकीय (स्वशासी) होलकर विज्ञान महाविद्यालय,इन्दौर (म.प्र.)

बायोटेक्नोलॉजी एवं बायोइंफरमेटिक्स विभाग

Department of Biotechnology & bioinformatics is conduction following certificate course on **"Value added course on Bioinformatics analysis from genomics to proteomics"**

The classes shall be conducted by the faculty on the Department of Biotechnology & bioinformatics, Govt Holkar (Model Autonomous) science college Indore.

Duration: 30 hrs

Date: 09/09/2018 to 21/09/2018

Time: 2:00 pm to 5:00 pm

Strength: 29

डॉ. किरण बिल्लौरे)
विभागाध्यक्ष
शासकीय होलकर विज्ञान महाविद्यालय
इन्दौर (म.प्र)

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

शासकीय (स्वशासी) होलकर विज्ञान महाविद्यालय,इन्दौर (म.प्र.)

बायोटेक्नोलॉजी एवं बायोइंफरमेटिक्स विभाग

//आवश्यक सूचना//

महाविद्याल के समस्त छात्र –छात्राओं को सूचित किया जाता है कि बायोटेक्नालॉजी विभाग द्वारा **Value added course on "Bioinformatics analysis from genomics to proteomics"** विषय पर एक वैल्यू एडेड कोर्स आयोजित किया दिनांक 09/09/2018 से 21/09/2018 तक आयोजित किया जा रहा है जो भी छात्र छात्रा उक्त पाठ्यक्रम से संबंध में कोई जानकारी चाहते है अथवा पाठ्यक्रम में पंजीयन करवाने चाहते हे बायोटेक्नालॉजी विभाग में दिनांक 30/08/2018 से 07/09/ 2018 तक अपना पंजीयन करवाये।

डॉ. किरण बिल्लौरे)
विभागाध्यक्ष
शासकीय होलकर विज्ञान महाविद्यालय
इन्दौर (म.प्र

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

7.3 Permission: -

दिनांक 23 / 08 / 2019

प्रति,
प्राचार्य महोदय,
शा.होलकर विज्ञान महाविद्यालय,
इंदौर (म0प्र0)

विषय : Value added Course करवाने के संबंध में।

महोदय,

उपरोक्त विषयांतर्गत लेख है कि बायोटेक्नोलॉजी विभाग में दिनांक 09/09/2018 से 21/09/2018 तक Value added Course on "Bioinformatics analysis from genomics to proteomics" पर संचालित किया जायेगा। जिसका समय 02 से 05 pm तक रहेगा।

कृपया आप से निवेदन है कि Value added Course संचालित करने कि अनुमति प्रदान करने की कृपा करे।

धन्यवाद

(डॉ.किरण बिल्लौर)
विभागाध्यक्ष
बायोटेक्नोलॉजी विभाग
शा.होलकर विज्ञान महाविद्यालय,इंदौर (म.प्र.)

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

7.4 Syllabus: -

Value added course on
Bioinformatics analysis from genomics to proteomics
2018-19

Course Objective

- **Learn** bioinformatics in Genomics and Proteomics.
- **Evaluate** results Annotation of Certain Analysis
- **Know** genomics Bioinformatics Analysis and Results
- **Analyse** Research Perspective

Course Outcomes

- Student able to apply bioinformatics Analysis methods.
- Student should be able to use appropriate genomics and proteomics analysis methods.
- Get job genomics & proteomics research perspective

Syllabus for value added courses

Module 1: -Lecture on Genomics Analysis

- Genomics Analysis
  - Promoter and Regulatory Elements
  - Genome Assembly and Annotation
- A Critical Analysis of Assessment Quality in Genomics and Bioinformatics Education
- Expression Analysis to Cancer Variant Detection and More
- Transposable Elements Detection
- Regulatory Site Detection to Gene Expression Data handling
- Uses of Bioinformatics in Genome Analysis

Module 2: - Lecture on Proteomics analysis

- Basic Proteomics analysis
- Protein Structure Prediction
- Structure Visualization to Domain Analysis
- Molecular Docking to oligosaccharide structure detection
- Bioinformatics Analysis of Proteomics Data

Module 3: Lecture on Insilco Research Perspective

- Important Analysis to Consider When Working on Bioinformatics Research
- Important Bioinformatics Research Areas
- Bioinformatics Research Career

Who Can apply: Only for postgraduate students.

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

7.5 Schedule: -

Value added course on
Bioinformatics analysis from genomics to proteomics
2018-19

Module 1

Lecture Topic	Faculty	Time	Date
Genomics Analysis	Dr Namrata Khurana	2:00- 3:30 PM	09/09/2018
Promoter and Regulatory Elements	Dr Gunjan Sharma	3:30 - 5:00 PM	09/09/2018
Genome Assembly and Annotation	Dr Pratibha Yadav	2:00- 3:30 PM	10/09/2018
A Critical Analysis of Assessment Quality in Genomics and Bioinformatics Education	Dr M Qureshi	3:30 - 5:00 PM	10/09/2018
Expression Analysis to Cancer Variant Detection and More	Prof Rahis Khan	2:00- 3:30 PM	11/09/2018
Transposable Elements Detection	Prof Akansha Lal	3:30 - 5:00 PM	11/09/2018
Regulatory Site Detection to Gene Expression Data handling	Prof Arun Patel	2:00- 3:30 PM	12/09/2018
Uses of Bioinformatics in Genome Analysis	Prof Saroj Solanki	3:30 - 5:00 PM	12/09/2018
Genomics Analysis	Prof Preetika Patidar	2:00- 3:30 PM	13/09/2018
Promoter and Regulatory Elements	Prof Saroj Solanki	3:30 - 5:00 PM	13/09/2018
Quiz	Prof Rahis Khan	2:00- 3:30 PM	14/09/2018

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

Value added course on
Bioinformatics analysis from genomics to proteomics
2018-19

Module 2

Lecture Topic	Faculty	Time	Date
Basic Proteomics analysis	Dr Namrata Khurana	3:30 - 5:00 PM	14/09/2018
Protein Structure Prediction	Dr Gunjan Sharma	2:00- 3:30 PM	16/09/2018
Structure Visualization to Domain Analysis	Dr Pratibha Yadav	3:30 - 5:00 PM	16/09/2018
Molecular Docking to oligosaccharide structure detection	Dr M Qureshi	2:00- 3:30 PM	17/09/2018
Bioinformatics Analysis of Proteomics Data	Prof Rahis Khan	3:30 - 5:00 PM	17/09/2018
Basic Proteomics analysis	Prof Akansha Lal	2:00- 3:30 PM	18/09/2018
Protein Structure Prediction	Prof Aakriti Shrivastava	3:30 - 5:00 PM	18/09/2018
Structure Visualization to Domain Analysis	Prof Rajesh Tokariya	2:00- 3:30 PM	19/09/2018
Quiz	Prof Akansha Lal	3:30 - 5:00 PM	19/09/2018

Module 3

Lecture Topic	Faculty	Time	Date
Important Analysis to Consider When Working on Bioinformatics Research	Dr Namrata Khurana	2:00- 3:30 PM	20/09/2018
Important Bioinformatics Research Areas	Dr Gunjan Sharma	3:30 - 5:00 PM	20/09/2018
Bioinformatics Research Career	Prof Aakriti Shrivastava	2:00- 3:30 PM	21/09/2018
Quiz	Dr Gunjan Sharma	3:30 - 5:00 PM	21/09/2018

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

7.6 Students List: -

Govt. Holkar (Model Autonomous) Science College Indore		
Department of Biotechnology & Bioinformatics		
Award list for course Value Added certificate course on "Bioinformatics analysis from genomics to proteomics" 2018-19 (MSc.)		
S.NO.	ENROLLMENT NO	STUDENT NAME
1	DS1409956	BALWANT
2	DS1716654	BHAVNA
3	DS1409124	NILESHWARI
4	DS1716656	NIRMAL
5	DS1716657	NISHA SINGH
6	DS1716658	OMPRAKASH NAGAR
7	DS1716659	PARLY
8	DS1290956	PRIYANKA
9	DS1722908	RAHUL
10	DS1409130	ROSHNI
11	DS1413681	SAKSHI
12	DS1409828	SHANU MANDLOI
13	DS1716660	SWATI
14	DS1402961	TASMIYA
15	DS1513389	ANKITA RAIKWAR
16	DS1513979	ASHWIN BHURIYA
17	DS1513446	CHETNA SINGAR
18	DS1510582	DIPTI TIWARI
19	DS1814622	HONEY SONI
20	DS1513602	MEENAKSHI CHAVAN
21	DS1514031	NEELAM SHORI
22	DS1513639	NEHA ANCHAN
23	DS1510409	PINTU CHOYAL
24	DS1814623	PRACHI THAKUR
25	DS1510788	PRAGYA DUBEY
26	DS1513701	PREENU GAHADWAL
27	DS1513709	PRIYANKA YADAV
28	DS1814624	RUCHI CHANDSURYA
29	DS1513896	SUSHMITA BAURASI

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

7.7 Students Award List: -

शासकीय (स्वशासी) होलकर विज्ञान महाविद्यालय,इन्दौर (म.प्र.)

बायोटेक्नोलॉजी एवं बायोइंफरमेटिक्स विभाग

प्रति,

प्राचार्य
शासकीय होलकर विज्ञान महाविद्याल,
इन्दौर (म.प्र.)

विषयः– Value Added Certificate Course" के उत्तीर्ण विद्यार्थियों को प्रमाण–पत्र प्रदान करने विषयक।

महोदय,

उपरोक्त विषय में लेख है कि बायोटेक्नालॉजी विभाग द्वारा दिनांक 09/09/2018 से 21/09/2018 तक **Value added course on "Bioinformatics analysis from genomics to proteomics"** विषय पर वैल्यू एडेड कोर्स आयोजित किया गया। इस पाठ्यक्रम में कुल 29 विद्यार्थियों ने अपना पंजीयन करवाया जिसमें से सभी विद्यार्थियों ने पाठ्यक्रम को सफलतापूर्वक पूर्ण किया।

कृपया संलग्न Award List अनुसार पाठ्यक्रम पूर्ण करने वाले विद्यार्थियों को प्रमाण पत्र प्रदान करने का कष्ट करें।

(डॉ. किरण बिल्लौरे)
विभागाध्यक्ष
शासकीय होलकर विज्ञान महाविद्यालय
इन्दौर (म.प्र)

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

Govt. Holkar (Model Autonomous) Science College Indore						
Department of Biotechnology & Bioinformatics						
Award list for course Value Added certificate course on "Bioinformatics analysis from genomics to proteomics"2018-19 (MSc.)						
S.NO.	ENROLLMENT NO	STUDENT NAME	MODULE 1 (Out of 20 marks)	MODULE 2 (Out of 20 marks)	MODULE 3 (Out of 20 marks)	TOTAL (Out of 60 marks)
1	DS1409956	BALWANT	18	16	13	47
2	DS1716654	BHAVNA	12	13	12	37
3	DS1409124	NILESHWARI	14	12	15	41
4	DS1716656	NIRMAL	15	15	15	45
5	DS1716657	NISHA SINGH	12	15	12	39
6	DS1716658	OMPRAKASH NAGAR	13	12	14	39
7	DS1716659	PARLY	14	14	15	43
8	DS1290956	PRIYANKA	15	15	14	44
9	DS1722908	RAHUL	12	14	16	42
10	DS1409130	ROSHNI	12	16	16	44
11	DS1413681	SAKSHI	15	13	13	41
12	DS1409828	SHANU MANDLOI	15	14	12	41
13	DS1716660	SWATI	12	15	15	42
14	DS1402961	TASMIYA	14	12	15	41
15	DS1513389	ANKITA RAIKWAR	14	12	12	38
16	DS1513979	ASHWIN BHURIYA	13	15	14	42
17	DS1513446	CHETNA SINGAR	12	15	15	42
18	DS1510582	DIPTI TIWARI	12	12	14	38
19	DS1814622	HONEY SONI	13	14	16	43
20	DS1513602	MEENAKSHI CHAVAN	16	14	13	43
21	DS1514031	NEELAM SHORI	13	13	14	40
22	DS1513639	NEHA ANCHAN	12	13	15	40
23	DS1510409	PINTU CHOYAL	15	12	12	39
24	DS1814623	PRACHI THAKUR	15	15	12	42
25	DS1510788	PRAGYA DUBEY	12	15	15	42
26	DS1513701	PREENU GAHADWAL	14	12	15	41
27	DS1513709	PRIYANKA YADAV	15	14	12	41
28	DS1814624	RUCHI CHANDSURYA	14	15	14	43
29	DS1513896	SUSHMITA BAURASI	16	14	14	44

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

7.8 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on *"Bioinformatics Analysis from Genomics to Proteomics"* has been organized by Department of Biotechnology in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

Course Coordinator
Department of Biotechnology

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

8.

Web Development

8.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

WEB DEVELOPMENT

24 September, 2018 to 26 October, 2018

Value-added Certificate Course
by
Department of Computer Science

Course Duration: 30 hours

Evaluation by assignments & multiple Choice questions

Who should do it?
All UG & PG Students

About the Course

Upon completing the web development course, students will proficiently create dynamic and responsive websites using HTML, CSS, and JavaScript. They will effectively utilize modern frameworks and tools, enabling them to design user-friendly interfaces and interactive web applications. Participants will understand the principles of responsive design, user experience optimization, and web accessibility, enhancing their ability to develop visually appealing and functional websites that cater to diverse audiences.

Contact **Department of Computer Science for Registration**

8.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF COMPUTER SCIENCE

NOTICE

Department of Computer Science is conducting the following value Added Certificate course in

Web- Development

The classes shall be conducted by the faculty of the Department of Computer Science Government Holkar (Model, Autonomous) Science College, Indore & Industrial Experts.

Duration: 30 Hrs.

Date: 24/09/2018 to 26/10/2018

Time: 4.00 to 5.20PM

Strength: 30

8.3 Syllabus: -

Approved

Govt Holkar (Model Autonomous) Science College Indore

Department of Computer Science

Session: 2018-19

Web- Development

(Value Added Certificate Course in Computer Science)

Syllabus

Course Out Comes:

After the completion of this course, a successful student will be able to do the following:

1. Code a handful of useful HTML & CSS examples.
2. Build semantic, HTML & CSS web page.
3. Add Interactivity to a Web Page.
4. Create Dynamic Web Pages using Java Script & CSS in HTML forms
5. Create Webpage with database connectivity

Course Content

Module 1: Web Programming Introduction: Architecture of a website, Different technologies in making the website, Web Development Introduction.
Introduction: History of HTML, what you need to do to get going and make your first HTML page, what are HTML Tags and Attributes? HTML Tag vs. Element, HTML Attributes.
Basic Formatting Tags and HTML-Grouping Using Div & Span: HTML Basic Tags, HTML Formatting Tags, HTML Color Coding, Div and Span Tags for Grouping. List, Images, Hyperlink, Table, Iframe, Form, Hearders.

Module 2: CSS: Introduction: Benefits of CSS, CSS Versions History, CSS Syntax, External Style Sheet using < link >, Multiple Style Sheets, Value Lengths and Percentages. **Syntax:** single Style Sheets, Multiple Style Sheets, Value Lengths and Percentages. **Selectors**: ID Selectors, Class Selectors, Grouping Selectors, Universal Selector, Descendant / Child Selectors, Attribute Selectors. Pseudo Classes, **Color Background Cursor:** background-image, background-repeat background-position, Cursor. **Text Fonts:** color, background-color, text-decoration, text-align, vertical-align, text-indent, text-transform, white space, letter-spacing, word-spacing, line-height, font-family, font-size, font-style, font-variant, font-weight.

Module 3: Lists: list-style-type, list-style-position, list-style-image, and list-style. **Tables:** border, width & height, text-align, vertical-align, padding, color. **Box Model:** Borders & Outline, Margin & Padding, Height and width, Dimensions. **Display Positioning:** CSS Visibility CSS Display, CSS Scrollbars, CSS Positioning, Static Positioning, Fixed Positioning, Relative Positioning, Absolute Positioning, CSS Layers with Z-Index. **Floats:** The float Property, The clear Property, The clear fix Hack.

Module 4: Introduction, **Language Syntax:** Variable declaration, Operators, Control Statements, Error Handling, Understanding arrays, Function Declaration. **Built In Functions:**

Built In Functions, Standard Date and Time Functions. **HTML Forms:** HTML Document objects Model, Working with HTML form and its elements.

Module 5: HTML DOM: HTML form and its elements, Other HTML Document object Model, Working with Document Object Model. **Cookies, Working with Objects and Classes:** Working with Objects, Call method in JavaScript, Inheritance in JavaScript using prototype. **Database Connectivity:** Using MS-Access, Using MySQL, Using Oracle

EVALUATION: Assignments & multiple choice test
WHO SHOULD DO IT? Undergraduate and PG students

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

8.4 Schedule: -

Govt. Holkar (Model Autonomous) Science College Indore

Department of Computer Science

Time Table for Value added course "Web Development"

Module	Description	Date	Time	Name of Resource person
Moodule1	Introduction	24/09/2018 to 29/09/2018	4.00 to 5.20	Dr. Pradeep Sharama
	Basic Formatting Tags		4.00 to 5.20	Ms. Priyanaka Agiwal
Module 2	CSS Introduction, Selectors	1/10/2018 to 06/10/2018	4.00 to 5.20	Ms. Sarita Sharma
	Color, Text Formatting		4.00 to 5.20	Ms. Aarti Shirvastava
Module 3	List, Box Model	8/10/2018 to 12/10/218	4.00 to 5.20	Mr. Manish Singh
	Display Positioning, Floats		4.00 to 5.20	Ms. Yugal Sharma
Module 4	JavaScript, Built-in function	13/10/2018 to 18/10/2018	4.00 to 5.20	Mr. Anish Singh, Software Engineer, TCS.
	HTML DOM		4.00 to 5.20	Mr. Anish Singh, Software Engineer, TCS.
Module 5	Working With Class and Object	20/10/2018 to 26/10/2018	4.00 to 5.20	Mr. Akhilesh Khare, Software Engineer, Lirisoft Pvt. Ltd.
	Database Connectivity		4.00 to 5.20	Mr. Akhilesh Khare, Software Engineer, Lirisoft Pvt. Ltd.
On the last day of every module, there will be an assessment test				

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

8.5 Students List: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE
DEPARTMENT OF COMPUTER SCIENCE
Session: 2018-19
Award list for a value-added course on Web Development

S.No.	Name of Student	Module I	Module II	Module III	Module IV	Module V	TOTAL
1	ROHIT	6	8	5	8	7	34
2	SHIVANI PATWARE	8	5	5	7	6	31
3	SADHANA GAVHADE	8	9	5	6	6	34
4	MUKESH PARMAR	6	9	8	8	8	39
5	KARTIK GEETE	6	5	5	9	8	33
6	SANDEEP GUPTA	A	A	A	A	A	A
7	MAHIMA NAMDEV	7	6	6	6	7	32
8	GARIMA MISHRA	6	9	5	7	6	33
9	KULDEEP CHOUHAN	5	6	7	6	7	31
10	RUPALI JAIN	9	5	8	8	8	38
11	BHAVESH KUMAR	8	8	9	7	7	39
12	PINKY VARMA	6	7	7	7	7	34
13	HARSH CHAVHAN	5	6	5	8	5	29
14	BALKRISHAN PATIDAR	A	A	A	A	A	A
15	PAWAN RAJPUT	5	6	6	8	9	34
16	HARSHIT GUPTA	9	7	6	6	7	35
17	KASHYAP KANESH	7	9	7	8	5	36
18	TEJRAM BORANA	6	7	9	5	9	36
19	AAKANKSHA MAHAJAN	8	6	9	8	9	40

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

20	KHUSHBU MOURYA	5	6	5	8	5	29
21	SUKRITI DHANOTIYA	5	6	7	6	7	31
22	RISHIKA DEWANG	A	A	A	A	A	A
23	SANJEETA PARMAR	8	5	5	7	6	31
24	VIJAY VISHVKARMA	7	6	8	6	7	34
25	RISHITA BHUTDA	9	5	9	8	7	38
26	VAISHNAVI PREMCHANDANI	A	A	A	A	A	A
27	ANKIT TALE	5	6	7	6	7	31
28	SAKSHI MANDLOI	6	7	7	7	7	34
29	KAJAL JAIN	8	8	8	5	6	35

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

8.6 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on ***"Web Development"*** has been organized by Department of Computer Science in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

Course Coordinator
Department of Computer Science

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

13

9.

Programming and Problem Solving Through Python

9.1 Brochure: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

(ACCREDITED GRADE "A" BY NAAC)

DURATION: 34 HOURS
(22.11.2018 TO 26.12.2018)

VALUE-ADDED CERTIFICATE COURSE ON PROGRAMMING AND PROBLEM SOLVING THROUGH PYTHON

ORGANIZED BY: DEPARTMENT OF COMPUTER SCIENCE

ELIGIBILITY

- ANY STUDENT AT UG /PG LEVEL CAN APPLY

COURSE HIGHLIGHTS

- IN FIVE MODULES
- ASSESSMENT BY ASSIGNMENTS AND MCQ BASED TEST

GOAL:
TO ENHANCE EMPLOYABILITY SKILLS

PROF. MANISH SHARMA CONVENER	DR. P.K. SHARMA HOD. COMPUTER SCIENCE	DR.ROOPLEKHA VYAS PRINCIPAL

9.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF COMPUTER SCIENCE

NOTICE

Department of Computer Science is conducting the following value Added Certificate course in

Programming and Problem Solving through Python

The classes shall be conducted by the faculty of the Department of Computer Science Government Holkar (Model, Autonomous) Science College, Indore & Industrial Experts.

Duration: 34 Hrs.

Date: 22/11/2018 to 26/12/2018

Time: 4.00 to 5.30PM

Strength: 30

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

9.3 Syllabus: -

Approved

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE
DEPARTMENT OF COMPUTER SCIENCE
Session: 2018-19
Programming and Problem Solving through Python
(Value added Certificate Course in Computer Science)
Syllabus

Course Out Comes:
After the completion of this course, a successful student will be able to do the following:
1. Write simple Python programs using common data structures.
2. Use files for data input and output.
3. Make use of sequences and standard libraries in programming.
4. Apply object Oriented Programming concepts in problem solving.
5. Gain knowledge of Python frameworks for Data Analysis & web development.

Course Content

Module 1: Introduction: History of Python, Need of Python Programming, The application area of python, Installation of Python IDE(PyCharm), Execute form command line and using IDE. **Python Basics:** Keyword, Data Types &Variables, Type conversion in Python, Expression, Operator, Data input and output.

Module 2: Control Statement in Python: if statement, if-elif-else statement, for loop, while loop, break, continue, pass, else clause. **Sequences in Python:** Array, String, list, Tuple, Set, Dictionary.

Module 3: Function: Define Function, main() in python, Calling function, Passing Argument, Keyword Arguments, Default Arguments, Variable length Argument, Anonymous Functions, Fruitful function(Function Returning Values), Scope of Variable in Function, Recursion, Decorator. **Module:** Definition, importing module using import statement, from statement, Creating Module, namespacing, Python Packages, Introduction to PIP, installing package by a PIP.

Module 4: Object- Oriented Programming in Python: Class & Object, Methods, Constructor and Destructor, Inheritance, Overriding, Overloading, Data Hiding, Error and Exception Handling.

Module 5: File Handling in Python: Read, Create/Write, Delete, and Rename, Reading and Writing CSV Files in Python. **Data Analysis with Python:** NumPy, SciPy, Pandas, Matplotlib. Interface Python with SQL, Introduction to MongoDB.

EVALUATION: Assignments & multiple choice test

WHO SHOULD DO IT? Undergraduate and PG student

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

9.4 Schedule: -

Govt. Holkar (Model Autonomous) Science College, Indore
Department of Computer Science
Time Table for Value added course "Programming and Problem Solving through Python"

Module	Description	Date	Time	Name of Resource person
Moodule1	Introduction	22/11/2018 to 29/09/2018	4.00 to 5.20	Dr. Pradeep Sharama
	Python Basics		4.00 to 5.20	Ms. Priyanaka Agiwal
Module 2	Control Statement in Python	01/10/2018 to 07/10/2018	4.00 to 5.20	Ms. Sarita Sharma
	Sequences in Python		4.00 to 5.20	Ms. Aarti Shirvastava
Module 3	Function	08/10/2018 to 12/10/2018	4.00 to 5.20	Mr. Manish Singh
	Module		4.00 to 5.20	Ms. Payal Jain
Module 4	Object- Oriented Programming in Python -I	13/10/2018 to 18/10/2018	4.00 to 5.20	Mr. Anish Singh, Software Engineer, TCS.
	Object- Oriented Programming in Python -II		4.00 to 5.20	Mr. Anish Singh, Software Engineer, TCS.
Module 5	File Handling in Python	20/10/2018 to 26/10/2018	4.00 to 5.20	Mr. Akhilesh Khare, Software Engineer, Lirisoft Pvt. Ltd.
	Data Analysis		4.00 to 5.20	Mr. Akhilesh Khare, Software Engineer, Lirisoft Pvt. Ltd.
	Python with SQL		4.00 to 5.20	Mr. Manish Singh
On the last day of every module, there will be an assessment test				

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

9.5 Students List: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE
DEPARTMENT OF COMPUTER SCIENCE
Session: 2018-19
Award list for a value-added course on Programming and Problem Solving through Python

S.No.	Name of Student	Module I	Module II	Module III	Module IV	Module V	TOTAL
1	MANISHA KUMRE	5	6	7	6	7	31
2	HARSHRAJ NAMDEV	8	9	5	6	6	34
3	NIKITA VISHWAKARMA	6	9	5	7	6	33
4	GOUTAM BHALSE	9	5	8	8	8	38
5	JEETENDRA PRAJAPATI	9	6	8	7	8	38
6	PRASHANT	7	9	7	8	5	36
7	HIMANSHU GUPTA	6	9	5	7	6	33
8	RAHUL YADAV	8	6	9	8	9	40
9	YAHIYA MANSURI	6	6	8	5	9	34
10	MANSI SARANGE	A	A	A	A	A	A
11	VIJAY	7	7	6	6	8	34
12	JYOTI HARODE	6	9	8	8	8	39
13	NIDHI REDEKAR	6	9	9	7	7	38
14	RACHEL NAYYAR	6	7	5	6	8	32
15	MAHENDRA SONANIYA	6	5	5	9	8	33
16	LEENA CHOUDHARY	A	A	A	A	A	A
17	RUCHITA SINGH	6	5	7	6	8	32
18	VIKRAM SHORI	8	6	8	9	7	38
19	JAYA BAGORA	8	5	5	7	6	31
20	SAKSHI MAKODE	6	9	5	7	6	33

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

21	BHUSHAN	7	7	6	6	8	34
22	SWEETI CHADOKAR	6	9	5	7	6	33
23	MAYANK SHARMA	5	6	6	8	9	34
24	HIMANSHU JOSHI	9	7	6	6	7	35
25	TANIYA SHRINATH	A	A	A	A	A	A
26	NITIN RAI	8	5	5	7	6	31
27	ANKIT	6	5	5	9	8	33
28	KRISHNARAJ CHOUHAN	6	8	7	6	9	36

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

9.6 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on ***"Programming and Problem Solving Through Python"*** has been organized by Department of Computer Science in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

HEAD
Computer Science Department
Govt. Holkar Science College, INDOR

Course Coordinator
Department of Computer Science

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

10.

Food Adulteration: Legal Aspects and Complaint Redressal System

10.1 Brochure: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

(ACCREDITED GRADE "A" BY NAAC)

34 Hours Value-added Certificate Course
organized by Department of Chemistry

Food Adulteration:
Legal Aspects and Complaint Redressal System

25.09.2018 TO 27.10.2018

Course Highlights:

- Understand the concept of Food-Adulteration
- Supplement their knowledge of laws against Food-Adulteration
- Know about mechanism of Grievance Redressal against Food-Adulteration

Eligiibility: UG & PG students

Evaluation: Modular Assignments & MCQ Based Test

CO-CONVENER
DR. APARNA GANDHE
PROFESSOR OF CHEMISTRY

CONVENER
DR. ANAMIKA JAIN
PROFESSOR & HOD, CHEMISTRY

10.2 Notice: -

GOVT HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

DEPARTMENT OF CHEMISTRY

NOTICE

Department of Chemistry is conducting the following Value added Certificate course in

FOOD ADULTERATION: LEGAL ASPECTS AND COMPLAINT REDRESSAL SYSTEM

The classes will be conducted by the faculty of the Department of Chemistry, Government Holkar (Model, Autonomous) Science College, Indore.

Duration: 36 hrs.

Date: September 25, 2018 to October 27, 2018

Holidays: All Sundays, 2nd October, 19th October & 24 October, 2018.

Time: 4:00 to 5:30 PM

Strength: 50

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College, INDORE

10.3 Syllabus: -

FOOD ADULTERATION: LEGAL ASPECTS AND COMPLAINT REDRESSAL SYSTEM

(Value added Certificate Course in Chemistry)

Syllabus

Course Learning Out Comes:

On completion of this Value added Certificate Course, The student will be able to enhance their knowledge and Skills in following areas:

- **Understand the concept of Food Adulteration.**
- **Supplement their knowledge of laws against Food Adulteration.**
- **Know about the mechanism of complaint redressal regarding food adulteration.**

Course Content:

Module 1: Introduction to Food Adulteration:

- What do you understand by Food adulteration?
- History of Food Adulteration
- Sources of Food Contamination
- Types of Food adulteration

Module 2: General overview of types of food adulteration:

- In food grains
- In dairy products
- In spices
- Others

Module 3: Detection of Food Adulteration:

- Methods of detection of Food Adulteration
- Detect Adulteration with Rapid test (DART)

Module 4: Laws for prevention of food adulteration in India:

- Laws in India against Adulteration of Food
- The Prevention of Food Adulteration (PFA) Act 1954,

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College, INDOR

- The Food safety and Standards Acts, 2006,
- Role of Food Safety and Standards Authority of India (FSSAI)

Module 5 :Complaint Redressal System against Food Adulteration in India:

- Where to complain if a food article is found to be adulterated?
- 3-Tier Complaint Redressal System:

a. The local shop-keeper from where the consumer has purchased the product.
b. Local health authority of district or Commissioner of food safety of the State Union Territory
c. Consumer Forum

- Filing Complaint through Online portal "The Advertising Standards Council of India"
- Punishment given under law for guilty for food adulteration.

EVALUATION METHOD: Modular Assignments & MCQ based test

ELIGIBILITY: UG and PG students

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

10.4 Schedule: -

Government Holkar (Model, Autonomous) Science College Indore

Department of Chemistry

Time Table for Value added course

"FOOD ADULTERATION: LEGAL ASPECTS AND COMPLAINT REDRESSAL SYSTEM"

Module	Description	Date	Time	Name of Resource person
Module 1	Introduction to Food Adulteration	25/09/2018 to 29/9/2018	4.00 to 5.30	Dr. Anamika Jain &Dr. Bijendra Rai
Module 2	General overview of types of food adulteration	1/10//2018 to 07/10/2018	4.00 to 5.30	Dr. Meenal Shrivastava & Dr. Namita Bende
Module 3	Detection of Food Adulteration	8/10/2018 to 12/10/2018	4.00 to 5.30	Dr.Aparna Gandhe & Dr. Pushpa Makwana
Module 4	Laws for prevention of food adulteration in India	13/10/2018 to 18/10/2018	4.00 to 5.30	Dr. S. K. Choure &Dr. Rajshree Somani
Module 5	Complaint Redressal System against Food Adulteration in India	20/10/2018 to 26/10/2018	4.00 to 5.30	Dr. Namrata Pathak & Dr. M. K. Dwivewdi
On the last day of every module, there will be a MCQ based assessment test				

Professor And Heaa
Department of Chemistry
Govt. Holkar Sc. College,INDORE

10.5 Students List: -

DEPARTMENT OF CHEMISTRY

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF CHEMISTRY

Enrolled student list for the Value added Certificate Course

"FOOD ADULTERATION: LEGAL ASPECTS AND COMPLAINT REDRESSAL SYSTEM"

1	ANIL BANSE	DS1620175
2	ANIL SISODIYA	DS1311538
3	ANJALI SINGH	DS1620176
4	ASHWIN CHOUHAN	DS1311622
5	AVANI SHARMA	DS1311630
6	AVINASH SONANIYA	DS1311632
7	CHHAGAN LAL MUNIYA	DS1313219
8	GAYATRI MUCHHALA	DS1310073
9	KAMAKSHI BATWAL	DS1620177
10	KRATIKA BADODIYA	DS1300362
11	KUNTA BHANWAR	DS1306937
12	LATA AHUJA	DS1311963
13	LAXMI RANDA	DS1303600
14	MAHESH MALE	DS1310130
15	MUKESH MOBHIYA	DS1310231
16	NITIN BAIRAGI	DS1201315
17	POOJA MALVIYA	DS1312189
18	POOJA SHARMA	DS1620180
19	POOJA YADAV	DS1312199
20	PRADAKSHINA TIWARI	DS1312206
21	PRANITA NEVE	DS1312227

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College,INDORE

22	PRIYANKA PATIDAR	DS1620182
23	RITU RAJPUT	DS1312398
24	SANGEETA NAGAR	DS1620183
25	SANTOSH PATIDAR	DS1312478
26	SAPNA SOURASHTRIY	DS1312483
27	SATYABHAMA PATIDAR	DS1302559
28	SURESH KUMAR TOMAR	DS1312648
29	TRUSHA UKEY	DS1312672
30	VARSHA TIDKE	DS1309897
31	YOGITA KUMHARE	DS1312760

Professor Anu Hena
Department of Chemistry
Govt. Holker Sc. College, INDORE

10.6 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on ***"Food Adulteration: Legal Aspects and Complaint Redressal System"*** has been organized by Department of Chemistry in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

Course Coordinator
Department of Chemistry

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College, INDORE

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

11.

Soap and Detergents: Entrepreneurial Context

11.1 Brochure: -

GOVT. HOLKAR (MODEL, AUTONOMOUS) SCIENCE COLLEGE, INDORE

SOAP AND DETERGENTS: ENTREPRENEURIAL CONTEXT

22 NOVEMBER, 2018 to 23 DECEMBER, 2018

Value-added Certificate Course by Department of Chemistry

Course Duration: 30 hours

Evaluation by assignments & multiple Choice questions

Who should do it?
All UG & PG Students

Department of Chemistry for Registration

Course Outcomes:

Upon finishing the course "Soap and Detergents: Entrepreneurial Context," students will acquire comprehensive knowledge of soap and detergent manufacturing, quality control, and regulatory requirements. They will develop business acumen, understanding market trends, product positioning, and cost-effectiveness. This equips them to establish and manage successful soap and detergent entrepreneurial ventures.

Contact

11.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF CHEMISTRY

NOTICE

Department of Chemistry is conducting the following Value added Certificate course in

SOAPS AND DETERGENTS: ENTREPRENEURIAL CONTEXT

The classes will be conducted by the faculty of the Department of Chemistry, Government Holkar (Model, Autonomous) Science College,Indore.

Duration: 34 hrs.

Date: 22nd November, 2018 to 23rd December, 2018

Holidays: All Sundays & 23rd November, 2018.

Time: 4:00 to 5:30 PM

Strength: 75

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College,INDOR

11.3 Syllabus: -

SOAPS AND DETERGENTS: ENTREPRENEURIAL CONTEXT

(Value added Certificate Course in Chemistry)

Syllabus

Course Learning Out Comes:

The course will empower the students with skill enhancement in elementary Chemistry and processes involved with making of various types of soaps and detergents, which has a ever flourishing market. This will enhance the curriculum by supplementing the students with skill development for entrepreneurial ventures with very small financial investment.

Course Content:

Module 1:

Introduction to history of Soap and Detergent making. Brief understanding of Classification (types) of soaps & detergents.

Module 2 :

A brief account of preparation, properties and uses of chemical soaps and detergents.

Module 3 :

Preparation, properties and uses of Herbal Soaps and Detergents.

Module 4 :

Environmental aspects related to Soaps and Detergents.

Module 5:

Two Case Studies (One Start – up & one established Industry).

EVALUATION METHOD: Modular Assignment & MCQ based test

ELIGIBILITY: UG students

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

11.4 Schedule: -

Government Holkar (Model, Autonomous) Science College Indore

Department of Chemistry

Time Table for Value added course

"SOAPS AND DETERGENTS: ENTREPRENEURIAL CONTEXT"

Module	Description	Date	Time	Name of Resource person
Module 1	Introduction to Food Adulteration	22/11/2018 to 29/9/2018	4.00 to 5.30	Dr. P. K. Jain & Dr. V.R.Choure
Module 2	General overview of types of food adulteration	1/10//2018 to 07/10/2018	4.00 to 5.30	Dr. Namrata Pathak & Dr. Pushpa Makwana
Module 3	Detection of Food Adulteration	8/10/2018 to 12/10/2018	4.00 to 5.30	Dr.Aparna Gandhe & Dr. Namita Bende
Module 4	Laws for prevention of food adulteration in India	13/10/2018 to 18/10/2018	4.00 to 5.30	Dr. S. K. Choure & Dr. Agrawal
Module 5	Complaint Redressal System against Food Adulteration in India	20/10/2018 to 26/10/2018	4.00 to 5.30	Dr. Geeta Sarasan & Dr. Vijayshree Nilose
On the last day of every module, there will be a MCQ based assessment test				

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College,INDORE

11.5 Students List: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF CHEMISTRY

Enrolled student list for the Value added Certificate Course

" SOAPS AND DETERGENTS: ENTREPRENEURIAL CONTEXT"

S.No.	Name	Enrolment No.
1	AASTHA MANDLIK	DS1400251
2	AAYUSHI PATIDAR	DS1409776
3	ADITI JAIN	DS1412650
4	AKANKSHA SHRIVASTAVA	DS1412670
5	AKASH TRIPATHI	DS1716665
6	AQSA ANSARI	DS1412764
7	BHARTI MASRE	DS1412834
8	BHAVANA GANGLE	DS1410602
9	DEEPAK BAIRAGI	DS1311693
10	DEEPAK MAURYA	DS1402435
11	DEEPALI PATIDAR	DS1412907
12	DEEPIKA MAURYA	DS1412912
13	HIMANSHEE PATEL	DS1415286
14	IFTSAM	DS1716666
15	JAGRATI VERMA	DS1411933
16	KALPANA PATIDAR	DS1402759
17	KAMLELSH VERMA	DS1409931
18	MADHU PATEL	DS1411938
19	MOHIT PATIDAR	DS1413272
20	NAMRATA KUMRAWAT	DS1402038
21	NIKITA DHURVE	DS1413342
22	NIKITA YADAV	DS1413347

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College,INDOR

23	PALLVI KATARE	DS1716667
24	POOJA PAL	DS1409269
25	RAHUL WASKALE	DS1408534
26	RAJNI PAL	DS1409280
27	RUPALI PATEL	DS1409823
28	RUPALI VERMA	DS1413655
29	SAKSHI PARE	DS1716668
30	SANSKRUTI VERMA	DS1412259

Professor Anil Vekaa
Department of Chemistry
Govt. Holkar Sc. College,INDORE

11.6 Students Award List: -

Government Holkar (Model Autonomous) Science College, Indore									
Department of Chemistry (2018- 2019)									
Award list for a Value added Certificate Course (soaps and detergents: entrepreneurial context)									
S.No	Name of Student	Enrollment	Sem	Module I 10	Module II 10	Module III 10	Module IV 10	Module V 10	TOTAL (50)
1	AASTHA MANDLIK	DS1400251	II	9	7	6	6	9	37
2	AAYUSHI PATIDAR	DS1409776	II	7	8	6	9	5	35
3	ADITI JAIN	DS1412650	II	8	7	9	8	7	39
4	AKANKSHA SHRIVASTAVA	DS1412670	II	5	7	5	5	9	31
5	AKASH TRIPATHI	DS1716665	II	5	8	5	8	8	34
6	AQSA ANSARI	DS1412764	II	9	6	8	8	8	39
7	BHARTI MASRE	DS1412834	II	6	8	8	5	6	33
8	BHAVANA GANGLE	DS1410602	II	9	9	9	8	5	40
9	DEEPAK BAIRAGI	DS1311693	II	A	A	A	A	A	A
10	DEEPAK MAURYA	DS1402435	II	6	7	6	7	6	32
11	DEEPALI PATIDAR	DS1412907	II	9	8	6	5	8	36
12	DEEPIKA MAURYA	DS1412912	II	6	8	7	5	9	35
13	HIMANSHEE PATEL	DS1415286	II	8	9	5	5	5	32
14	IFTSAM	DS1716666	II	6	7	7	9	5	34
15	JAGRATI VERMA	DS1411933	II	7	5	8	5	8	33
16	KALPANA PATIDAR	DS1402759	II	7	6	6	6	8	33
17	KAMLELSH VERMA	DS1409931	II	9	5	7	8	8	37
18	MADHU PATEL	DS1411938	II	A	A	A	A	A	A
19	MOHIT PATIDAR	DS1413272	II	5	9	9	9	9	41
20	NAMRATA KUMRAWAT	DS1402038	II	6	7	5	8	6	32

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College,INDOR

21	NIKITA DHURVE	DS1413342	II	7	5	6	9	7	A
22	NIKITA YADAV	DS1413347	II	8	9	8	5	6	36
23	PALLVI KATARE	DS1716667	II	A	A	A	A	A	A
24	POOJA PAL	DS1409269	II	9	9	8	8	7	41
25	RAHUL WASKALE	DS1408534	II	7	5	7	8	8	35
26	RAJNI PAL	DS1409280	II	6	9	8	8	8	39
27	RUPALI PATEL	DS1409823	II	5	6	8	6	9	34
28	RUPALI VERMA	DS1413655	II	8	6	8	5	9	36
29	SAKSHI PARE	DS1716668	II	8	7	5	6	8	34
30	SANSKRUTI VERMA	DS1412259	II	5	7	5	9	7	33

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College,INDORE

11.7 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on ***"Soap and Detergents: Entrepreneurial Context"*** has been organized by Department of Chemistry in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

Course Coordinator
Department of Chemistry

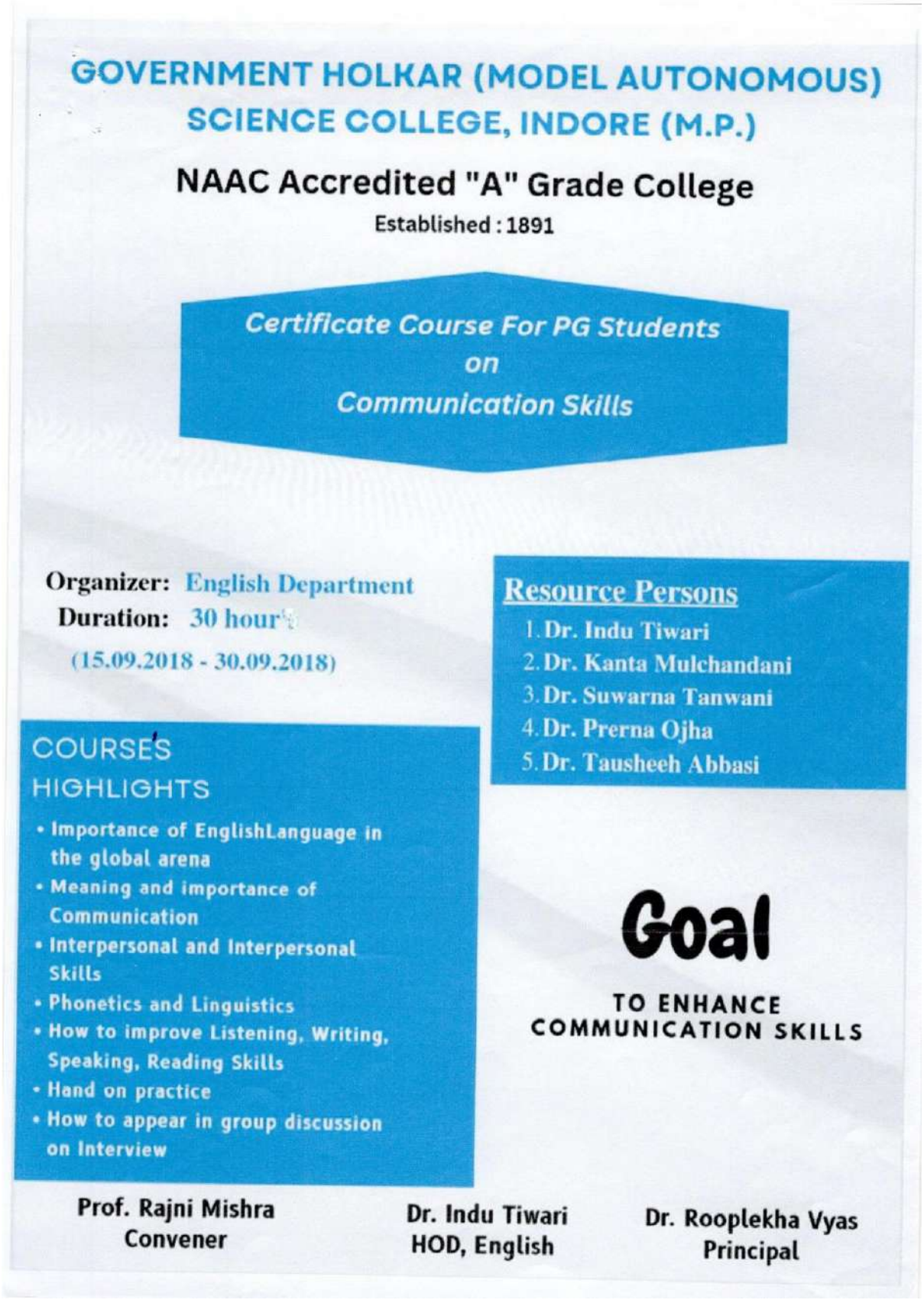
Professor And Head
Department of Chemistry
Govt. Holkar Sc. College,INDORE

Verified by IQAC

12.

Communication Skills

12.1 Brochure: -



GOVERNMENT HOLKAR (MODEL AUTONOMOUS)
SCIENCE COLLEGE, INDORE (M.P.)

NAAC Accredited "A" Grade College

Established : 1891

Certificate Course For PG Students
on
Communication Skills

Organizer: English Department
Duration: 30 hours
(15.09.2018 - 30.09.2018)

Resource Persons
1. Dr. Indu Tiwari
2. Dr. Kanta Mulchandani
3. Dr. Suwarna Tanwani
4. Dr. Prerna Ojha
5. Dr. Tausheeh Abbasi

COURSES HIGHLIGHTS
- Importance of EnglishLanguage in the global arena
- Meaning and importance of Communication
- Interpersonal and Interpersonal Skills
- Phonetics and Linguistics
- How to improve Listening, Writing, Speaking, Reading Skills
- Hand on practice
- How to appear in group discussion on Interview

Goal

TO ENHANCE COMMUNICATION SKILLS

Prof. Rajni Mishra
Convener

Dr. Indu Tiwari
HOD, English

Dr. Rooplekha Vyas
Principal

12.2 Syllabus: -

Approved

Government Holkar (Model Autonomous) Science College, Indore (M.P.)

Department of English

Certificate Course in Communication Skills - 2018-19 (For PG Students)
Duration 15-09-2018 to 30.09.2018
Syllabus

Name of Paper : Communication Skills
Maximum Marks : 25
Duration : 30 hours

1	Pre-requisite (if any)	To improve the Communication Skills of PG students.
2	Course Learning Outcome (CLO)	**Course Objective -** To develop the comprehensive skills of students in listening, speaking, reading and writing (LSWR), by giving the knowledge of phonetics and linguistics
		Course Outcome – After the completion of the course - 1. Students will be able to master the skills of listening , speaking, writing and reading the text . 2. Students will be equipped with a richer vocabulary, which will render expression of thoughts and ideas more powerful. 3. How to communicate in social, personal and professional life. 4. The course comprises of Group- Discussion and interview which will enable the students to develop public speaking skills, group behavior and etiquettes. 5. When the student acquires these skills, he is ready to facethe external world more confidently and has better options of employment.

I

Communication:- Meaning and importance of communication, Verbal and non verbal communication, Barriers of communication, Seven C's of effective communication, Interpersonal and Intrapersonal skills.

II

Phonetics:- Meaning and definition, Phonology- definition, The organs ofspeech – Vowel and consonant sounds, place of articulation, manner of articulation, syllable, word accent / stress and intonation, phonetic transcription of words.

Linguistics :- Meaning and definition, characteristics of language, morphology, syntax, semantics.

III

Reading skills - Purpose, Methodology and Strategy, news paper and article reading.
Listening skills -Tips for effective listening, benefits of effective listening, barriers to effective listening, listening to talks, presentations, radio and television news.

IV

Writing Skills- Effective writing skills, elements of effective writing.
Speaking Skills- Importance and types

V

Group Discussion and Interview

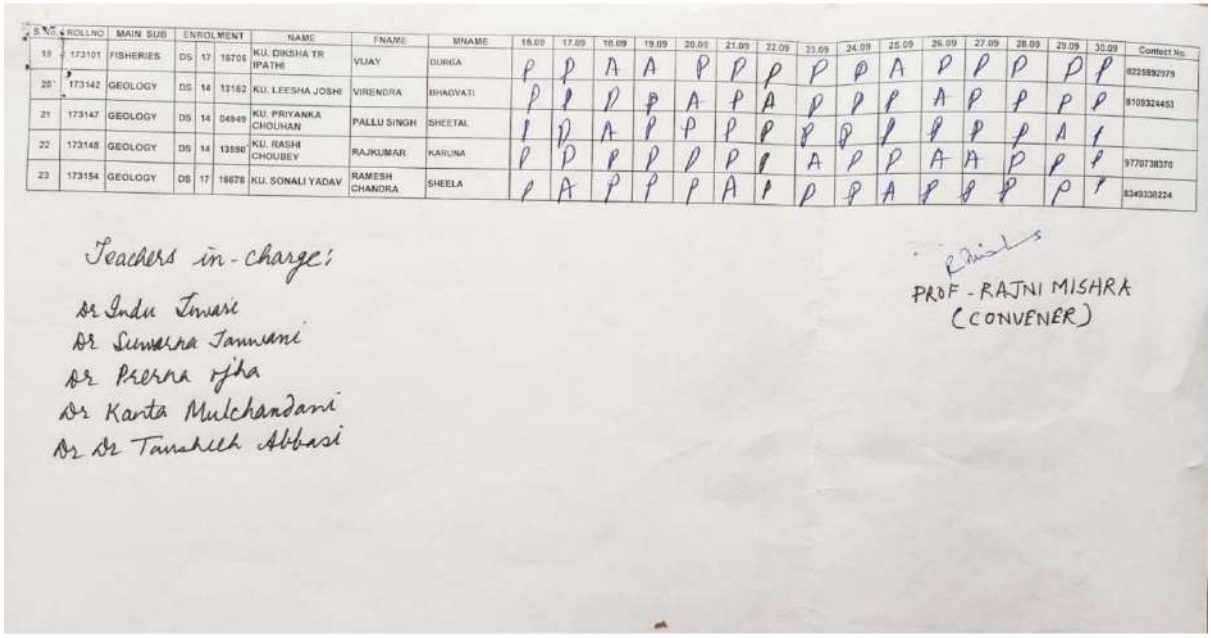
Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

12.3 Students List: -

Government Holkar (Model Autonomous) Science College, Indore (M.P.)
Department of English
Certificate Course in Communication Skills - 2018-19 (For PG Students)
Duration 15-09-2018 to 30.09.2018

S.No.	ROLL NO	MAIN SUB	ENROLMENT			NAME	FNAME	MNAME	16.09	17.09	18.09	19.09	20.09	21.09	22.09	23.09	24.09	25.09	26.09	27.09	28.09	29.09	30.09	Contact No.
1	173085	COMPUTER SCIENCE	DS	14	11071	KU. ANKITA PATHAK	RAJESH	RAJANI	P	D	A	P	P	P	P	P	A	A	P	P	P	P	P	8435277066
2	173086	COMPUTER SCIENCE	DS	17	16671	KU. AYUSHI DUBEY	MANOHARLAL	SHEELA DUBEY	D	A	P	P	P	A	P	P	P	P	P	P	P	A	P	9926874535
3	173087	COMPUTER SCIENCE	DS	14	10696	KU. JYOTI MUKATI	ANANDRA M	RESHM	P	P	P	D	A	P	A	P	P	P	P	P	P	P	P	9644565696
4	173088	COMPUTER SCIENCE	DS	14	01976	KU. PAYAL KAYASTH	SUNIL	LALITA	D	P	P	A	P	P	P	A	P	P	P	P	P	A	P	
5	173089	COMPUTER SCIENCE	DS	17	16672	KU. PRANEETA JOSHI	SHRIPAD	PRATIBHA	P	D	A	P	P	P	D	A	P	P	P	P	P	P	P	8959683916
6	173090	COMPUTER SCIENCE	DS	14	04052	KU. PRERITA JOSHI	GANESH	NANDITA	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	
7	173091	COMPUTER SCIENCE	DS	14	13470	SHRI PRINCE GUPTA	RADHESHYAM	KUSUM LATA	P	A	P	P	1	1	A	1	1	P	P	A	A	P	P	9893191947
8	173092	COMPUTER SCIENCE	DS	14	13682	KU. SAKSHI PATIDAR	YADUSHANKAR	UMA	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	8827977180
9	173093	COMPUTER SCIENCE	DS	14	03138	KU. SAKSHI YADAV	AJAY	SUNITA	P	P	A	A	P	P	A	P	P	P	P	P	A	P	P	
10	173094	COMPUTER SCIENCE	DS	17	16673	KU. SHIVANI JAIN	ROOPCHAND	SAKSHI	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	8224948804
11	173095	COMPUTER SCIENCE	DS	17	19673	KU. SHIVANI VISHWAKARMA	RAJESH	SANDHYA	P	P	P	A	A	P	A	P	P	P	P	P	P	P	P	9165829683
12	173096	COMPUTER SCIENCE	DS	12	11546	KU. SHOBHNA VERMA	TR ILOK SINGH	SHYAMA	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	9713317542
13	173097	COMPUTER SCIENCE	DS	17	16674	KU. SNEHA KATARE	SURYABHAN	KAVITA	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	7000160440
14	173098	COMPUTER SCIENCE	DS	14	11116	KU. SONAL PATIL	SURESH	SUNITA	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	8349700440
15	173099	COMPUTER SCIENCE	DS	17	16675	KU. SURYALI JAIN	RAJKUMAR	VIMLESH	P	P	P	P	A	P	A	P	P	P	P	P	P	A	P	9584778625
16	173105	FORENSIC SCIENCE	DS	14	04622	KU. ANJALI SINGH RAJPUT	GULAB SINGH	RANJANA SINGH	P	A	A	P	P	D	D	P	P	A	D	P	P	P	P	
17	173110	FORENSIC SCIENCE	DS	17	19400	KU. HIMANI SHARMA	ROHIT	SUMAN	P	P	P	P	A	P	P	P	A	P	A	P	A	P	P	8358944491
18	173112	FORENSIC SCIENCE	DS	14	13148	KU. KRATI SINGH CHAUHAN	ARVIND SINGH	RACHNA	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	7024140177



S.No.	ROLL NO	MAIN SUB	ENROLMENT			NAME	FNAME	MNAME	16.09	17.09	18.09	19.09	20.09	21.09	22.09	23.09	24.09	25.09	26.09	27.09	28.09	29.09	30.09	Contact No.
19	173101	FISHERIES	DS	17	16706	KU. DIKSHA TRIPATHI	VIJAY	DURGA	P	P	A	A	P	P	P	P	P	A	P	P	P	P	P	8225892979
20	173142	GEOLOGY	DS	14	13162	KU. LEESHA JOSHI	VIRENDRA	BHAGVATI	P	P	P	P	A	P	A	P	P	P	A	P	P	P	P	8109324453
21	173147	GEOLOGY	DS	14	04949	KU. PRIYANKA CHOUHAN	PALLU SINGH	SHEETAL	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	
22	173148	GEOLOGY	DS	14	13590	KU. RASHI CHOUBEY	RAJKUMAR	KARUNA	P	P	P	P	P	P	P	A	P	P	A	A	P	P	P	9770738370
23	173154	GEOLOGY	DS	17	16678	KU. SONALI YADAV	RAMESH CHANDRA	SHEELA	P	A	P	P	P	A	P	P	P	A	P	P	P	P	P	8349338224

Teachers in-charge:
Dr Indu Tiwari
Dr Sunanna Tanwani
Dr Prerna Jha
Dr Kanta Mulchandani
Dr Dr Tanaheel Abbasi

PROF - RAJNI MISHRA
(CONVENER)

12.4 Students Award List: -

Government Holkar (Model Autonomous) Science College, Indore (M.P.)
Department of English
Certificate Course in Communication Skills - 2018-19 (For PG Students)
Duration 15-09-2018 to 30.09.2018
Exam Result (Award List)

S.No.	ROLLNO	MAIN SUB	ENROLMENT NO.			NAME	FNAME	MNAME	Contect No.	Maximum Marks (25)	Result
1	173105	FORENSIC SCIENCE	DS	14	04622	KU. ANJALI SINGH RAJPUT	GULAB SINGH	RANJANA SINGH		16	Pass
2	173085	COMPUTER SCIENCE	DS	14	11071	KU. ANKITA PATHAK	RAJESH	RAJANI	8435277056	16	Pass
3	173086	COMPUTER SCIENCE	DS	17	16671	KU. AYUSHI DUBEY	MANOHARLAL	SHEELA DUBEY	9926874535	16	Pass
4	173101	FISHERIES	DS	17	16706	KU. DIKSHA TR IPATHI	VIJAY	DURGA	8225892979	16	Pass
5	173110	FORENSIC SCIENCE	DS	17	19400	KU. HIMANI SHAR MA	ROHIT	SUMAN	8358944491	17	Pass
6	173087	COMPUTER SCIENCE	DS	14	10696	KU. JYOTI MUKATI	ANANDRA M	RESHM	9644565598	15	Pass
7	173112	FORENSIC SCIENCE	DS	14	13148	KU. KRATI SINGH CHAUHAN	ARVIND SINGH	RACHNA	7024140177	18	Pass
8	173142	GEOLOGY	DS	14	13182	KU. LEESHA JOSHI	VIRENDRA	BHAGVATI	8109324453	20	Pass
9	173088	COMPUTER SCIENCE	DS	14	01976	KU. PAYAL KAYASTH	SUNIL	LALITA		17	Pass
10	173089	COMPUTER SCIENCE	DS	17	16672	KU. PRANEETA JOSHI	SHR IPAD	PRATIBHA	8959683916	17	Pass
11	173090	COMPUTER SCIENCE	DS	14	04052	KU. PRER ITA JOSHI	GANESH	NANDITA		17	Pass
12	173147	GEOLOGY	DS	14	04949	KU. PRIYANKA CHOUHAN	PALLU SINGH	SHEETAL		20	Pass
13	173148	GEOLOGY	DS	14	13590	KU. RASHI CHOUBEY	RAJKUMAR	KARUNA	9770738370	21	Pass

S.No.	ROLLNO	MAIN SUB	ENROLMENT NO.			NAME	FNAME	MNAME	Contect No.	Maximum Marks (25)	Result
14	173092	COMPUTER SCIENCE	DS	14	13682	KU. SAKSHI PATIDAR	YADUSHANKAR	UMA	8827977180	19	Pass
15	173093	COMPUTER SCIENCE	DS	14	03138	KU. SAKSHI YADAV	AJAY	SUNITA		16	Pass
16	173094	COMPUTER SCIENCE	DS	17	16673	KU. SHIVANI JAIN	ROOPCHAND	SAKSHI	8224946804	18	Pass
17	173095	COMPUTER SCIENCE	DS	17	19673	KU. SHIVANI VISHWAKARMA	RAJESH	SANDHYA	9165529693	16	Pass
18	173096	COMPUTER SCIENCE	DS	12	11546	KU. SHOBHNA VERMA	TR ILOK SINGH	SHYAMA	9713317542	16	Pass
19	173097	COMPUTER SCIENCE	DS	17	16674	KU. SNEHA KATARE	SURYABHAN	KAVITA	7000160440	16	Pass
20	173098	COMPUTER SCIENCE	DS	14	11116	KU. SONAL PATIL	SURESH	SUNITA	8349700440	15	Pass
21	173154	GEOLOGY	DS	17	16678	KU. SONALI YADAV	RAMESH CHANDRA	SHEELA	8349338224	16	Pass
22	173099	COMPUTER SCIENCE	DS	17	16675	KU. SURYALI JAIN	RAJKUMAR	VIMLESH	9584778626	16	Pass
23	173091	COMPUTER SCIENCE	DS	14	13470	SHRI PRINCE GUPTA	RADHESHYAM	KUSUM LATA	9893191947	15	Pass

Dr. Rajni Mishra
(Convener)

DR. Sadhu Tiwari
HOD, English
Head
Department of English
Govt. Holkar Science College,
Indore (M.P.)

12.5 Course Completion Certificate: -

To

The Examination Controller,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Regarding issue of certificates for students successfully completing Value-added certificate course (session 2018-2019).

Respected Sir,

A value-added certificate course on ***"Communication Skills"*** has been organized by Department of English in the session 2018-2019. We request you to issue certificates to students who have successfully completed the value-added certificate course as per the enclosed list.

Enclosed: Students list

Course Coordinator
Department of English

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

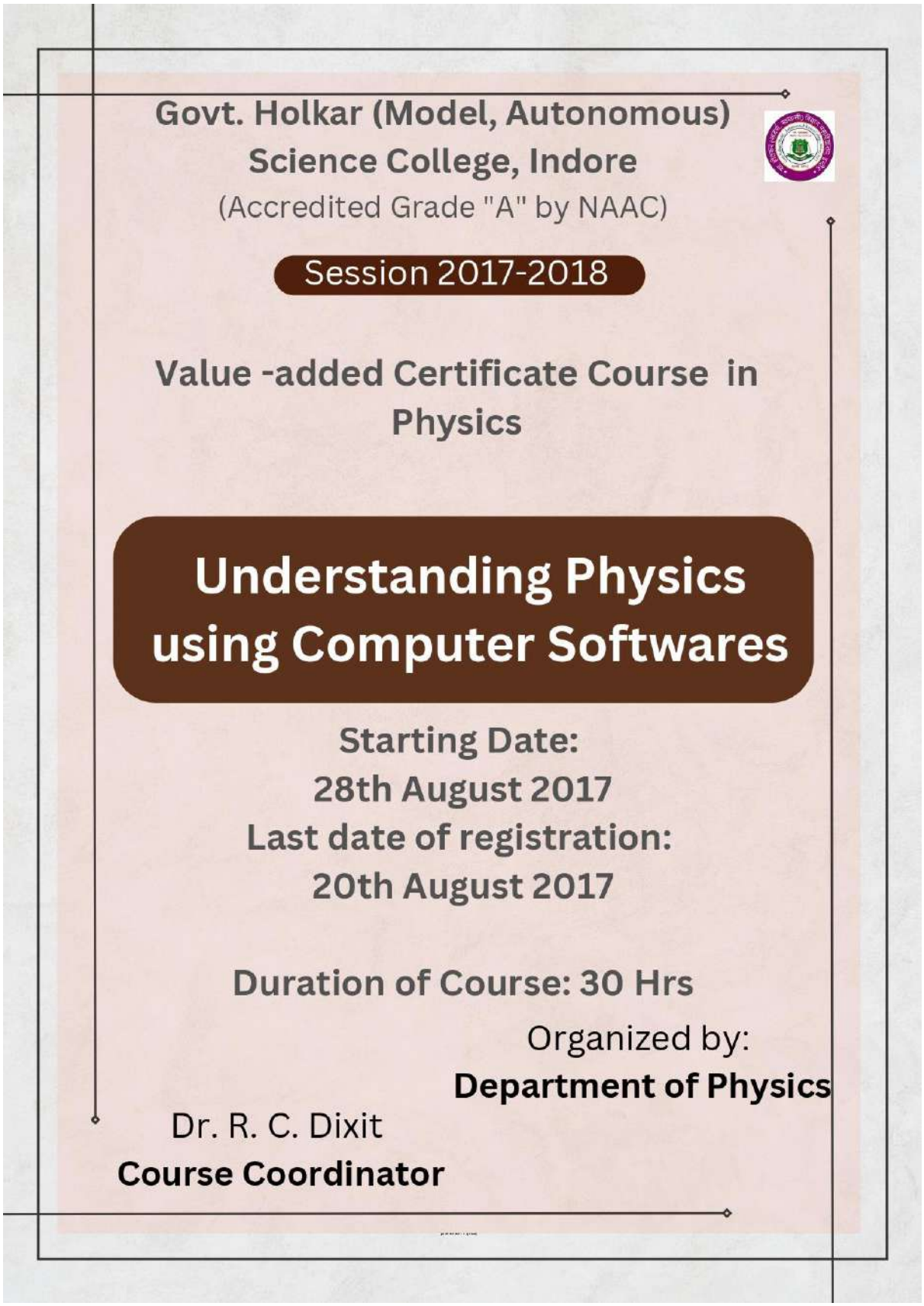
Head
Department of English
Govt. Holkar Science College,
Indore (M.P.)

2017-2018

1.

Understanding Physics using Computer Software

1.1 Brochure: -


Govt. Holkar (Model, Autonomous)
Science College, Indore
(Accredited Grade "A" by NAAC)
Session 2017-2018
Value -added Certificate Course in Physics
Understanding Physics using Computer Softwares
Starting Date:
28th August 2017
Last date of registration:
20th August 2017
Duration of Course: 30 Hrs
Organized by:
Department of Physics
Dr. R. C. Dixit
Course Coordinator

1.2 Notice: -

शासकीय होलकर (आदर्श, स्वशासी) विज्ञान महाविद्यालय, इंदौर
(मध्य प्रदेश)

आवश्यक सूचना

महाविद्यालय के समस्त छात्र छात्राओं को सूचित किया जाता है कि भौतिक शास्त्र विभाग द्वारा "**Understanding Physics Using Computer Softwares**" विषय पर एक वैल्यू एडेड कोर्स दिनांक 28 अगस्त से प्रारंभ किया जा रहा है। जो भी छात्र–छात्र उक्त पाठ्यक्रम के संबंध में कोई जानकारी चाहते हैं आथवा इस पाठ्यक्रम में पंजीयन करवाना चाहते हैं, भौतिक शास्त्र विभाग में दिनांक 20 अगस्त 2017 तक अपना पंजीयन करावें।

विभाग प्रमुख
भौतिकशास्त्र
शास. होलकर (आदर्श, स्वशासी)
विज्ञान महा., इंदौर (म. प्र.)

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF PHYSICS

NOTICE

Department of physics is conducting the following value Added Certificate course in

UNDERSTANDING PHYSICS USING COMPUTER SOFTWARE

The classes shall be conducted by the faculty of the Department of Physics & Computer Science, Government Holkar (Model Autonomous) Science College, Indore.

Duration: 30 Hrs.

Date: August 28,2017 to September 27, 2017

Time:4.00 to 5.20PM

Strength: 35

प्राध्यापक एवं विभागाध्यक्ष
भौतिकी विभाग
एस. होलकर विज्ञान महाविद्यालय
इन्दौर

1.3 Syllabus: -

UNDERSTANDING PHYSICS USING COMPUTER SOFTWARES

(Value added Certificate Course in Physics)

Syllabus

Course Out Comes:

Students will learn to use various softwares for data fitting and visualization. They will also get hands-on experience in easy methods of carrying out numerical analysis using Excel. Some software's for symbolic calculations will also be introduced. Simulating electronic circuits on a computer will be taught. Most of these software's can run on any Android mobile phone. Basic knowledge of Arduino

Course Content

Module 1 Graph plotting and data fitting using gnu plot: drawing simple, surface, contour plots, fitting curves to data, setting labels, legends and saving the figures in different formats, making batch file, etc.

Module 2 Data visualization and simple numerical analysis using Excel: Plotting different plots from the given data.

Module 3 Perform simple numerical differentiation and integration: To solve some problems in physics, generate a trajectory of a simple nonlinear mapping and study various bifurcations, so on.

Module 4 Introduction to Arduino

Module 5 Electronic Circuit Basics:

EVALUATION Assignments & multiple choice test

WHO SHOULD DO IT? Physics Undergraduate and PG students

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

1.4 Schedule: -

Govt. Holkar Science College Indore

Department of Physics

Time Table for Value added course "Understanding Physics using Computer Software"

Module	Description	Date	Time	Name of Resource person
Moodule1	Graph plotting and data fitting using gnu plot: drawing simple, surface, contour plots, fitting curves to data, setting labels, legends and saving the figures in different formats, making batch file, etc	**28/08/2017 to 5/9/2017**	**4.00 to 5.20**	**Dr.P.K.Sharma**
Module 2	Data visualisation and simple numerical analysis using Excel: Plotting different plots from the given data.	**6/9/2016 to 14/09/2017**	**4.00 to 5.20**	**Dr R.C. Dixit**
Module 3	Perform simple numerical differentiation and integration: To solve some problems in physics, generate a trajectory of a simple nonlinear mapping and study various bifurcations, so on.	**15/09/2017 to 20/09/2017**	**4.00 to 5.20**	**Dr Nidhi Parmar**

Module 4	Introduction to Arduino	**21/09/2017 to 24/09/2017**	**4.00 to 5.20**	**DR. Bhavna Chouresia**
Module 5	Electronic Circuit Basics	**25/09/2017 to 27/09/2017**	**4.00 to 5.20**	**Dr Netram Kaurav**
On the last day of every module, there will be an assessment test				

प्राध्यापक एवं विभागाध्यक्ष
श्रीतिकी विभाग
एस. होलकर विज्ञान महाविद्यालय
इन्दौर

1.5 Students Award List: -

प्रति,

परीक्षा नियंत्रक

शास. होलकर (आदर्श, स्वशासी) विज्ञान महाविद्यालय

इंदौर मध्य प्रदेश

विषय :– **"Value Added Certificate Course"** के उत्तीर्ण विद्यार्थियों को प्रमाण–पत्र प्रदान करने विषयक।

महोदय,

उपरोक्त विषय में लेख है कि भौतिक शास्त्र विभाग द्वारा दिनांक 28 अगस्त 2017 से 27 सितम्बर 2017 तक **(Understanding Physics using Computer Software)** विषय पर **Value Added Certificate Course** आयोजित किया गया इस पाठ्क्रम में कुल 30 विद्यार्थियों ने अपना पंजीयन करवाया इनमें से 27 विद्यार्थियों ने इस पाठ्क्रम को सफलतापूर्वक पूर्ण किया। कृपया संलग्न **Award List** अनुसार पाठ्यक्रम पूर्ण करने वाले विद्यार्थियों को प्रमाण–पत्र प्रदान करने का कष्ट करें।

विभाग प्रमुख

भौतिक शास्त्र

भौतिकी विभाग

शा. होलकर विज्ञान महाविद्यालय

इन्दौर

GOVT HOLKAR (MODEL AUTONOMOUS) COLLEGE INDORE

DEPARTMENT OF PHYSICS

Award list for a value-added course (UNDERSTANDING PHYSICS USING COMPUTER SOFTWARES)

s.no.	Name of Student	enrollment	class	Module I	Module II	Module III	Module IV	Module V	TOTAL
1	ANANYA SHARMA	DS1410388	III SEM	6	9	9	7	7	38
2	BHARTI PATIDAR	DS1310154	III SEM	5	5	5	5	6	26
3	BHUNESHVAR YADAV	DS1114541	III SEM	8	9	5	6	6	34
4	DEEPSHIKHA SOORMA	DS1716701	III SEM	6	9	8	8	8	39
5	DIKSHA VERMA	DS1302975	III SEM	6	5	5	9	8	33
6	JAYESH PRAJAPAT	DS1412439	III SEM	6	8	5	8	7	34
7	KHUSHBOO MALI	DS1411652	III SEM	7	6	6	6	7	32
8	LAXMI WASKLE	DS1308417	I SEM	6	5	7	6	8	32
9	MEENAKSHI TEJRA	DS1312036	I SEM	6	6	8	5	9	34
10	MEENAL KESHARE	DS1406703	I SEM	9	5	8	8	8	38
11	MUDITA JAIN	DS1312066	I SEM	7	7	6	6	8	34
12	NIKITA KARMA	DS1312116	I SEM	A	A	A	A	A	A
13	POOJA MALVIYA	DS1517173	III SEM	5	6	5	8	5	29
14	POORNIMA KARIL	DS086996	I SEM	6	7	9	5	9	36
-	PRACHITI VIKHAR	DS1620211	I SEM	5	6	6	8	9	34
16	PRAVEEN SINGH DHARWE	DS1290929	I SEM	9	7	6	6	7	35
17	PREETI HUDE	DS1716702	I SEM	7	9	7	8	5	36
18	PRIYANKA LADKIYA	DS1409187	I SEM	8	6	8	9	7	38
19	PRIYANSHEE ATMAPOOJYA	DS1312268	III SEM	8	6	9	8	9	40
20	RAJKIRAN JAISWAL	DS1413550	I SEM	6	9	5	7	6	33
21	RHITIK KUMAWAT	DS1620212	I SEM	A	A	A	A	A	A
22	RUPALI ARYA	DS1413657	III SEM	8	8	9	7	7	39

प्राध्यापक एवं विभागाध्यक्ष
भौतिकी विभाग
म. होलकर विज्ञान महाविद्यालय
इन्दौर

	Name of Student	enrollment	class	Module I	Module II	Module III	Module IV	Module V	TOTAL
23	SALONI SHARMA	DS1716703	I SEM	6	7	7	7	7	34
24	SANDEEP KUMAR GAUTAM	DS1413702	I SEM	7	6	8	6	7	34
25	SEEMA RAO KADVE	DS1408606	III SEM	9	5	9	8	7	38
26	SHREYA RAGHUVANSHI	DS1413824	I SEM	A	A	A	A	A	A
27	SWATI PAWAR	DS1414202	III SEM	5	6	7	6	7	31
28	TEJASVINI SHARMA	DS1716704	III SEM	8	5	5	7	6	31
29	TUSHAR DAVE	DS1413991	III SEM	8	8	8	5	6	35

प्राध्यापक एवं विभागाध्यक्ष
भौतिकी विभाग
एस. होलकर विज्ञान महाविद्यालय
इन्दौर

1.6 Course Completion Certificate: -

To

THE EXAMINATION CONTROLLER,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Issue of course completion certificate to students for completing value-added certificate course in "Understanding Physics using Computer Software" during the session 2017-2018.

Respected Sir,

A value-added certificate course on **"Understanding Physics using Computer Software"** has been organized by Department of Physics in the session 2017-2018. We kindly request you to issue course completion certificate to students as per the enclosed list, who have successfully completed the value-added certificate course.

Enclosure: List of Students

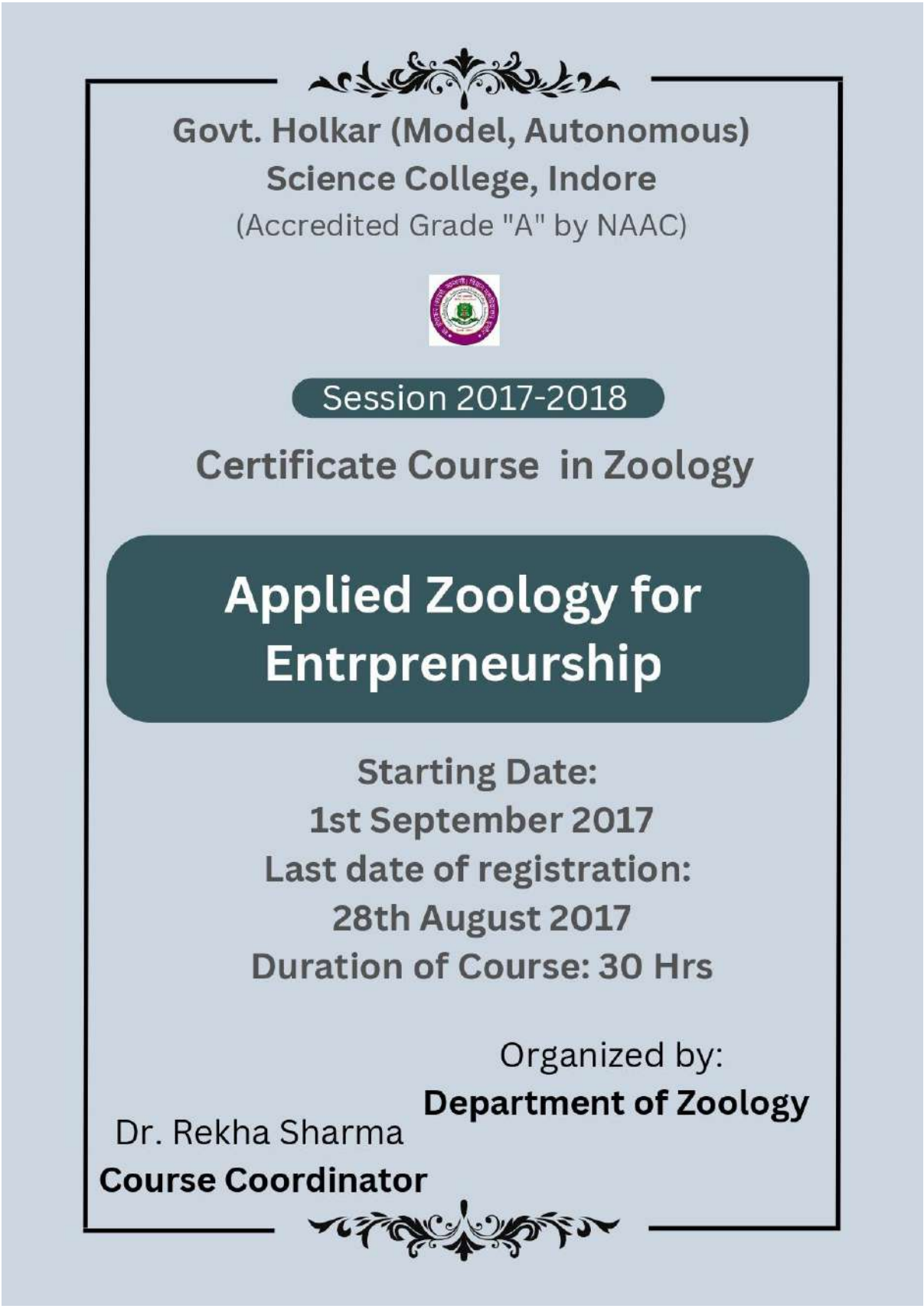
COURSE COORDINATOR
Department of Physics

Verified by IQAC

2.

Applied Zoology for Entrepreneurs

2.1 Brochure: -


Govt. Holkar (Model, Autonomous)
Science College, Indore
(Accredited Grade "A" by NAAC)
Session 2017-2018
Certificate Course in Zoology
Applied Zoology for Entrpreneurship
Starting Date:
1st September 2017
Last date of registration:
28th August 2017
Duration of Course: 30 Hrs
Organized by:
Department of Zoology
Dr. Rekha Sharma
Course Coordinator

2.2 Notice: -

शासकीय होलकर (आदर्श, स्वशासी) विज्ञान महाविद्यालय, इंदौर
(मध्य प्रदेश)

आवश्यक सूचना

महाविद्यालय के समस्त छात्र छात्राओं को सूचित किया जाता है कि प्राणी शास्त्र विभाग द्वारा "**Applied Zoology for Entrepreneurs**" विषय पर एक वैल्यू एडेड कोर्स दिनांक 01 सितम्बर 2017 से प्रारंभ किया जा रहा है। जो भी छात्र–छात्र उक्त पाठ्यक्रम के संबंध में कोई जानकारी चाहते हैं आथवा इस पाठ्यक्रम में पंजीयन करवाना चाहते हैं, प्राणी शास्त्र विभाग में दिनांक 28 अगस्त 2017 तक अपना पंजीयन करावें।

Rshaf

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

समन्वयक
प्राणी शास्त्र
शास. होलकर (आदर्श, स्वशासी)
विज्ञान महा., इंदौर (म. प्र.)

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF ZOOLOGY

NOTICE

Department of ZOOLOGY is conducting following Certificate course on

Applied Zoology for Entrepreneurs

The classes shall be conducted by the faculty of the Department of Zoology & Fisheries, Government Holkar (Model Autonomous) Science College, Indore

Duration: 30 Hrs.

Date: September 1 ,2017 to September 27,2017

Time:4.00 to 5.20PM

Strength: 35

For

RSharma

Head
Dept. of Zoology
Govt. Holkar Sc. College, Indore

2.3 Syllabus: -

Applied Zoology for Entrepreneurs

Syllabus

Course objectives:

1. Gain knowledge about silkworms, Bee keeping and insect pests.
2. Students will understand dairy animal management, the breeds and diseases of cattle and learn the testing of milk quality.
3. Learn various concepts about Vermiculture and gain basic information about aquaculture and poultry

Course Outcomes:

1. Students can start their own business i.e. self-employment.
2. Get employment in different applied sectors of Zoology
3. Students should be able to design an appropriate management strategy with consideration for sustainability

Course Content

Module 1.

Sericulture History and status of sericulture in India, Silkworm rearing techniques: Processing of cocoon, reeling, Silkworm diseases and pest control.

Module 2.

Apiculture Introduction, Species of honey bees in India, life cycle of Apis indica, division of labour and communication, Bee keeping as an agro based industry, extraction of honey from the comb and processing, Bee pasturage, honey, bees wax and their uses, pests and diseases of bees and their management

Module 3.

Pest management Structural organization of an insect, Categories and types of insect pests, Agricultural pests (pests of crops and stored food products), Veterinary insects, Pests of public health importance (Mosquito, House fly, Louse, Bed bugs), urban pests (cockroach), Basics of pest control

Module 4

Vermiculture: Scope of vermiculture, Types of earthworms, Methodology of vermicomposting: containers for culturing, raw materials required, preparation of bed, environmental pre-requisites, feeding, harvesting and storage of vermicompost. Advantages of vermicomposting.

Module 5.

Aquaculture: Introduction, Types of aquaculture: Pond culture; carp culture, shrimp culture, shellfish culture, composite fish culture and pearl culture. Common fishes used for culture. Construction and maintenance of aquarium - materials used, aquarium plants, ornamental objects, cleaning the aquarium. Culture of fresh and marine water prawns. Preparation of farm. Preservation and processing of prawn, export of prawn

EVALUATION Assignments & multiple choice test

WHO SHOULD DO IT? Zoology Undergraduate and PG students

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

2.4 Schedule: -

Govt. Holkar Science College Indore

Department of Zoology

Time Table for Value added course "Applied Zoology for Entrepreneurs"

Module	Description	Date	Time	Name of Resoursce person
Moodule1	**Sericulture** History and status of sericulture in India, Silkworm rearing techniques: Processing of cocoon, reeling, Silkworm diseases and pest control	**1/9/2017 to 5/9/2017**	**4.00to 5.20**	**Dr.Vipul k Sharma**
Module 2	**Apiculture** Introduction, Species of honey bees in India, life cycle of Apis indica, division of labour and communication, Bee keeping as an agro based industry, extraction of honey from the comb and processing, Bee pasturage, honey, bees wax and their uses, pests and diseases of bees and their management .	**6/9/2016 to 11/09/2017**	**4.00to 5.20**	**Dr Rekha Sharma**
Module 3	**Pest management** Structural organization of an insect, Categories and types of insect pests, Agricultural pests (pests of crops and stored food products), Veterinary insects, Pests of public health importance (Mosquito, House fly, Louse, Bed bugs), urban pests (cockroach), Basics of pest control	**12/09/2017 to 17/09/2017**	**4.00to 5.20**	**Dr Santosh Geharwal**

Module 4	**Vermiculture:** Scope of vermiculture, Types of earthworms, Methodology of vermicomposting: containers for culturing, raw materials required, preparation of bed, environmental pre-requisites, feeding, harvesting and storage of vermicompost. Advantages of vermicomposting.	**18/09/2017 to 23/09/2017**	**4.00to 5.20**	**DR. Kiran Billore**
Module 5	**Aquaculture:** Introduction, Types of aquaculture: Pond culture; carp culture, shrimp culture, shellfish culture, composite fish culture and pearl culture. Common fishes used for culture. Construction and maintenance of aquarium - materials used, aquarium plants, ornamental objects, cleaning the aquarium. Culture of fresh and marine water prawns. Preparation of farm. Preservation and processing of prawn, export of prawn	**24/09/2017 to 27/09/2017**	**4.00to 5.20**	**Dr Ruchi Shivale**
On the last day of every module, there will be an assessment test				

RSharma

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indo

2.5 Students List: -

Govt Holkar (Model Autonomous)Science College Indore			
Department of Zoology			
Value Added certificate Course "Applied Zoology for Entrepreneurs"			
List of Enrolled student for course			
S.No.	Name	Enrollment Number	Year / Sem.
1	AAJAM SHEIKH	DS1311461	IV SEM
2	AKANKSHA BAHREY	DS1716705	II SEM
3	AKANKSHA PATEL	DS1311505	IV SEM
4	AMIT SOLANKI	DS1311523	IV SEM
5	ASHWINEE SINGH RAJAWAT	DS1412796	II SEM
6	AYUSHI MISHRA	DS1301434	IV SEM
7	DIKSHA TRIPATHI	DS1716706	II SEM
8	GOPAL KRISHNA JATAV	DS1716707	II SEM
9	JASMINE JOY	DS1716708	II SEM
10	MANMOHAN SISODIYA	DS1201305	II SEM
11	NANDINI ATOOT	DS1312081	IV SEM
12	NEHA BHALSE	DS1312104	IV SEM
13	PRATIKSHA SEPTA	DS1413463	II SEM
14	PREMANKUR SHUKLA	DS1716677	II SEM
15	PRIYANKA RAM	DS1308072	IV SEM
16	RAHUL KHEREKAR	DS1413521	II SEM
17	RASHMI GOSAR	DS1312375	IV SEM
18	RENU KANSLIWAL	DS1413612	II SEM
19	RUCHI SONGARA	DS1414384	II SEM

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

20	SAMINA PITHAWALA	DS1312451	IV SEM
21	SARASWATI SANORIYA	DS1413744	II SEM
22	SARITA JAMRA	DS1413747	II SEM
23	SHEETAL CHOUHAN	DS1312513	IV SEM
24	SHEETAL RANDA	DS1413790	II SEM
25	SHIVANI SHARMA	DS1716710	II SEM
26	SHOBHA SINGLA	DS1716711	II SEM
27	SIMRAN SURYAVANSHI	DS1403588	II SEM
28	SWETA MISHRA	DS1413867	II SEM

RSharma

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

2.6 Students Award List: -

प्रति,

परीक्षा नियंत्रक

शास. होलकर (आदर्श, स्वशासी) विज्ञान महाविद्यालय

इंदौर मध्य प्रदेश

विषय :– **"Value Added Certificate Course"** के उत्तीर्ण विद्यार्थियों को प्रमाण–पत्र प्रदान करने विषयक।

महोदय,

उपरोक्त विषय में लेख है कि प्राणी शास्त्र विभाग द्वारा दिनांक 01 सितम्बर 2017 से 27 सितम्बर 2017 तक **(Applied Zoology For Entrepreneurs)** विषय पर **Value Added Certificate Course** आयोजित किया गया इस पाठ्क्रम में कुल 28 विद्यार्थियों ने अपना पंजीयन करवाया इनमें से 26 विद्यार्थियों ने इस पाठ्क्रम को सफलतापूर्वक पूर्ण किया कृपाया संलग्न **Award List** अनुसार पाठ्यक्रम पूर्ण करने वाले विद्यार्थियों को प्रमाण–पत्र प्रदान करने का कष्ट करें।

For

RShaf

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

विभाग प्रमुख

प्राणी शास्त्र

Government Holkar (Model Autonomous)Science College Indore									
Department of Zoology									
Award list for course Value Added certificate Course "Applied Zoology for Entrepreneurs"									
S.No.	Name	Enrollment No	Sem.	M1	M2	M3	M4	M5	total
1	AAJAM SHEIKH	DS1311461	IV SEM	5	5	6	8	8	32
2	AKANKSHA BAHREY	DS1716705	II SEM	8	7	7	9	9	40
3	AKANKSHA PATEL	DS1311505	IV SEM	8	5	5	9	9	36
4	AMIT SOLANKI	DS1311523	IV SEM	9	8	9	9	6	41
5	ASHWINEE SINGH RAJAWAT	DS1412796	II SEM	8	6	6	9	8	37
6	AYUSHI MISHRA	DS1301434	IV SEM	8	5	6	9	6	34
7	DIKSHA TRIPATHI	DS1716706	II SEM	6	6	9	8	9	38
8	GOPAL KRISHNA JATAV	DS1716707	II SEM	9	6	6	9	8	38
9	JASMINE JOY	DS1716708	II SEM	8	6	9	6	9	38
10	MANMOHAN SISODIYA	DS1201305	II SEM	6	8	9	6	6	35
11	NANDINI ATOOT	DS1312081	IV SEM	8	8	8	5	7	36
12	NEHA BHALSE	DS1312104	IV SEM	5	5	7	6	5	28
13	PRATIKSHA SEPTA	DS1413463	II SEM	9	5	8	8	7	37
14	PREMANKUR SHUKLA	DS1716677	II SEM	7	9	9	6	5	36
15	PRIYANKA RAM	DS1308072	IV SEM	9	6	6	8	8	37
16	RAHUL KHEREKAR	DS1413521	II SEM	6	6	9	6	9	36
17	RASHMI GOSAR	DS1312375	IV SEM	9	5	9	9	5	37
18	RENU KANSLIWAL	DS1413612	II SEM	A	A	A	A	A	A
19	RUCHI SONGARA	DS1414384	II SEM	9	8	7	5	7	36
20	SAMINA PITHAWALA	DS1312451	IV SEM	6	6	8	8	9	37

R Sharma

Head
Deptt. of Zool
Govt. Holkar Sc. Col.

S.No.	Name	Enrollment No	Sem.	M1	M2	M3	M4	M5	total
21	SARASWATI SANORIYA	DS1413744	II SEM	6	7	7	6	8	34
22	SARITA JAMRA	DS1413747	II SEM	5	6	9	8	9	37
23	SHEETAL CHOUHAN	DS1312513	IV SEM	9	5	8	5	9	36
24	SHEETAL RANDA	DS1413790	II SEM	A	A	A	A	A	A
25	SHIVANI SHARMA	DS1716710	II SEM	9	8	7	8	8	40
26	SHOBHA SINGLA	DS1716711	II SEM	9	5	9	5	9	37
27	SIMRAN SURYAVANSHI	DS1403588	II SEM	A	A	A	A	A	A
28	SWETA MISHRA	DS1413867	II SEM	5	5	6	8	7	31

Rshal

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

2.7 Course Completion Certificate: -

To

THE EXAMINATION CONTROLLER,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Issue of course completion certificate to students for completing value-added certificate course in "Applied Zoology for Entrepreneurs" during the session 2017-2018.

Respected Sir,

A value-added certificate course on "Applied Zoology for Entrepreneurs" has been organized by Department of Zoology in the session 2017-2018. We kindly request you to issue course completion certificate to students as per the enclosed list, who have successfully completed the value-added certificate course.

Enclosure: List of Students

COURSE COORDINATOR
Department of Zoology

Head
Deptt. of Zoology
Govt. Holkar Sc. College, Indore

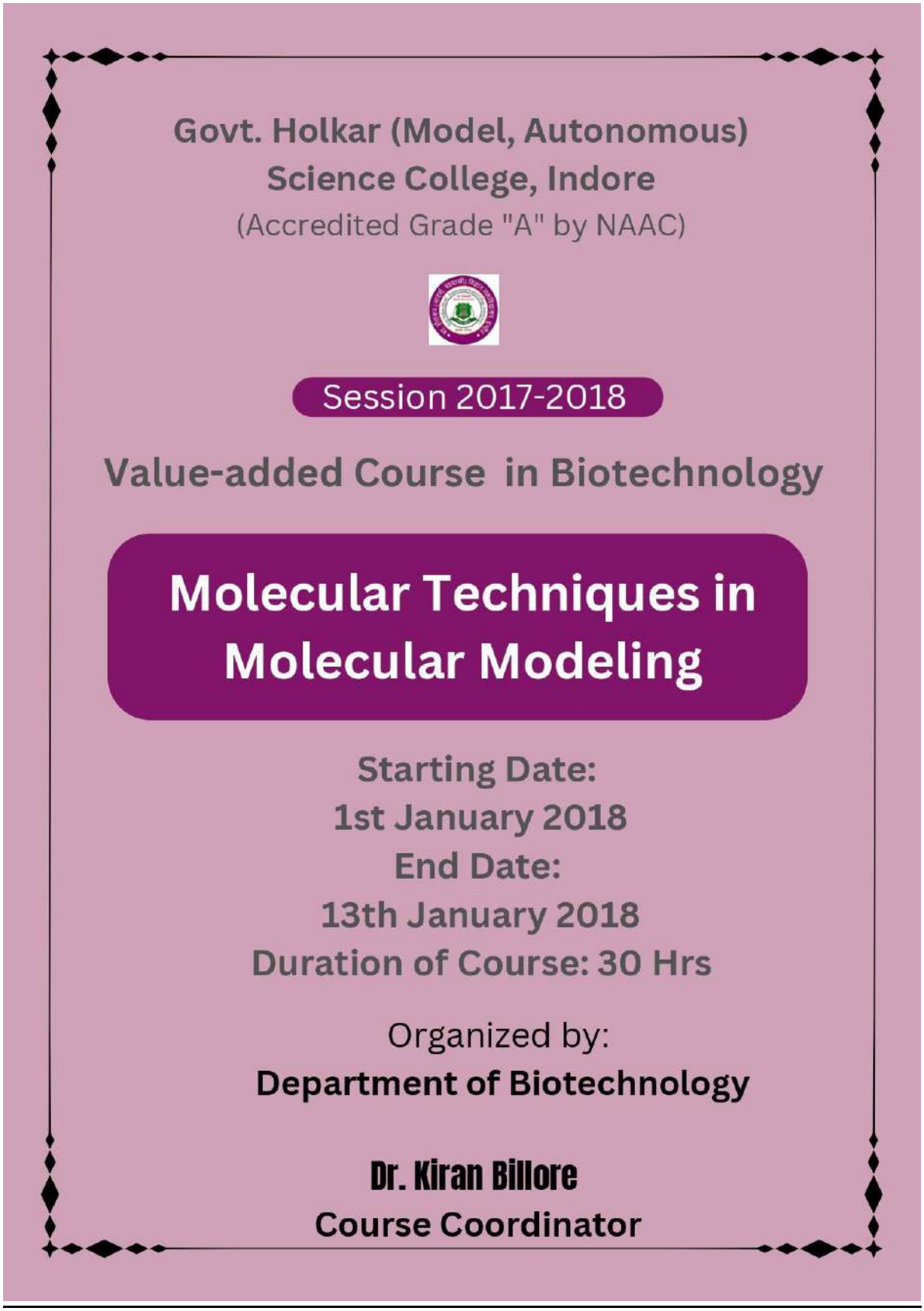
Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

3.

Molecular Techniques and Molecular Modelling

3.1 Brochure: -


Govt. Holkar (Model, Autonomous)
Science College, Indore
(Accredited Grade "A" by NAAC)
Session 2017-2018
Value-added Course in Biotechnology
Molecular Techniques in Molecular Modeling
Starting Date:
1st January 2018
End Date:
13th January 2018
Duration of Course: 30 Hrs
Organized by:
Department of Biotechnology
Dr. Kiran Billore
Course Coordinator

3.2 Permission: -

दिनांक 15/12/2017

प्रति,
प्राचार्य महोदय,
शा.होलकर विज्ञान महाविद्यालय,
इंदौर (म0प्र0)

विषय : Value added Course करवाने के संबंध में।

महोदय,

उपरोक्त विषयांतर्गत लेख है कि बायोटेक्नोलॉजी विभाग में दिनांक 01/01/2018 से 13/01/2018 तक Value added Course on "Molecular techniques and Molecular modelling" किया जायेगा जो समय 1 से 4 बजे तक संचालित किया जायेगा।

कृपया आप से निवेदन है कि Value added Course संचालित करने कि अनुमति प्रदान करने की कृपा करे।

धन्यवाद

(डॉ.किरण बिल्लौर)
विभागाध्यक्ष
बायोटेक्नोलॉजी विभाग
शा.होलकर विज्ञान महाविद्यालय,इंदौर (म.प्र.)

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

3.3 Notice: -

शासकीय (स्वशासी) होलकर विज्ञान महाविद्यालय,इन्दौर (म.प्र.)

बायोटेक्नोलॉजी एवं बायोइंफरमेटिक्स विभाग

Department of Biotechnology & Bioinformatics is conduction following certificate course on

"Value added course on "Molecular techniques and Molecular modelling"

The classes shall be conducted by the faculty on the Department of Biotechnology & bioinformatics, Govt Holkar (Model Autonomous) Science College Indore.

Duration: 30 hrs

Date: 01 / 01 / 2018 to 13 / 01 / 2018

Time: 1:00 pm to 4:00 pm

Strength: 24

डॉ. किरण बिल्लौरे)
विभागाध्यक्ष
शासकीय होलकर विज्ञान महाविद्यालय
इन्दौर (म.प्र)

Head
Department of Biotech
Govt. Holkar Science Colle

शासकीय (स्वशासी) होलकर विज्ञान महाविद्यालय,इन्दौर (म.प्र.)

बायोटेक्नोलॉजी एवं बायोइंफरमेटिक्स विभाग

//आवश्यक सूचना//

महाविद्यालय के समस्त छात्र –छात्राओं को सूचित किया जाता है कि बायोटेक्नालॉजी विभाग द्वारा दिनांक 01/01/2018 से 13/01/2018 तक **"Value added course on "Molecular techniques and Molecular modelling"** विषय पर वैल्यू एडेड कोर्स आयोजित किया जा रहा है जो भी छात्र छात्रा उक्त पाठ्यक्रम से संबंध में कोई जानकारी चाहते है अथवा पाठ्यक्रम में पंजीयन करवाने चाहते हे बायोटेक्नालॉजी विभाग में दिनांक दिनांक 23/12/2017 से 30/12/2017 तक अपना पंजीयन करवाये।

डॉ. किरण बिल्लौरे)
विभागाध्यक्ष
शासकीय होलकर विज्ञान महाविद्यालय
इन्दौर (म.प्र)

Head
Department of Biotechnology
Govt Holkar Science College, Indore

3.4 Syllabus: -

Value added course on Molecular techniques and Molecular modelling
2017-18
Learning Outcome

- **Learn DNA** extraction and DNA quantification.
- **Apply** the lab techniques such as Electrophoresis, Agarose gel electrophoresis.
- **Evaluate** SDS- PAGE.
- **Know** the PCR- Principle, procedure, applications of PCR.
- **Analyse** DNA sequencing- Difference between PCR and sequencing.

Course Outcomes

- Student get knowledge about molecular laboratory instruments.
- Apply the skill in the field of structure modelling and domain analysis.
- get employability in molecular research areas.

Syllabus for value added courses

Module 1: -Lecture on Molecular Techniques

1. DNA extraction from plant
2. Electrophoresis
3. Quantification of DNA and applications
4. Agarose gel electrophoresis
5. SDS - PAGE
6. Nucleic acid Hybridization
7. Southern Blotting
8. Northern Blotting
9. Western blotting
10. PCR
11. Quiz

Approved

Module 2: - Lecture on Molecular Modelling

1. Primer designing
2. Primer designing tools and data base
3. DNA Sequencing tools and data base
4. Genomic data base
5. Detection and applications of DNA sequencing
6. Expert lecture
7. Quiz

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

Who Can apply: Only for postgraduate students.

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

3.5 Schedule: -

Value added course on Molecular techniques and Molecular modelling
2017-18

Module 1: -Lecture on Molecular Techniques

Lecture Topic	Faculty	Time	Date
DNA extraction from plant	Dr Namrata Khurana	1:00- 2:30 PM	01 / 01 / 2018
Electrophoresis	Dr Gunjan Sharma	2:30 - 4:00 PM	01 / 01 / 2018
Quantification of DNA and applications	Dr Pratibha Yadav	1:00- 2:30 PM	02 / 01 / 2018
Agarose gel electrophoresis	Dr M Qureshi	2:30 - 4:00 PM	02 / 01 / 2018
SDS - PAGE	Prof Rahis Khan	1:00- 2:30 PM	03 / 01 / 2018
Nucleic acid Hybridization	Prof Akansha Lal	2:30 - 4:00 PM	03 / 01 / 2018
Southern Blotting	Prof Arun Patel	1:00- 2:30 PM	04 / 01 / 2018
Northern Blotting	Prof Rajesh Tokariya	2:30 - 4:00 PM	04 / 01 / 2018
Western blotting	Prof Preetika Patidar	1:00- 2:30 PM	05 / 01 / 2018
PCR	Prof Sadhana Notwani	2:30 - 4:00 PM	05 / 01 / 2018
Quiz	Prof Saroj Solanki	1:00- 2:30 PM	06 / 01 / 2018

Module 2: - Lecture on Molecular Modelling

Lecture Topic	Faculty	Time	
Primer designing	Prof Aakriti Shrivastava	2:30 - 4:00 PM	06 / 01 / 2018
Primer designing tools and data base	Dr Gunjan Sharma	1:00- 2:30 PM	08 / 01 / 2018
DNA sequencing tools and data base	Dr Pratibha Yadav	2:30 - 4:00 PM	09 / 01 / 2018
Genomic data base	Dr M Qureshi	1:00- 2:30 PM	10 / 01 / 2018
Detection and applications of DNA sequencing	Prof Rahis Khan	2:30 - 4:00 PM	11 / 01 / 2018
Expert lecture	Dr Namrata Khurana	1:00- 2:30 PM	12 / 01 / 2018
Quiz	Prof Arun Patel	2:30 - 4:00 PM	13 / 01 / 2018

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

3.6 Students List: -

Govt. Holkar (Model Autonomous) Science College Indore

Department of Biotechnology & Bioinformatics

Award list for course Value Added certificate course on "Molecular techniques and Molecular modelling "2017-18

S. No.	ENROLMENT NO	STUDENT'S NAME
1	DS1620162	ADITI MATHUR
2	DS1620163	AISHWARYA RATHOD
3	DS1620164	AYUSHI RATHOD
4	DS1620165	DEEPAK PARMAR
5	DS1620166	MANSI POL
6	DS1620167	PAYAL
7	DS1620168	RISHIKA PARMAR
8	DS1312420	ROSHANI SOLANKI
9	DS1620169	SHIVANI ARYA
10	DS1001204	VIJENDRA NIMARE
11	DS1409956	BALWANT
12	DS1716654	BHAVNA
13	DS1409124	NILESHWARI
14	DS1716656	NIRMAL
15	DS1716657	NISHA SINGH
16	DS1716658	OMPRAKASH NAGAR
17	DS1716659	PARLY
18	DS1290956	PRIYANKA
19	DS1722908	RAHUL
20	DS1409130	ROSHNI
21	DS1413681	SAKSHI
22	DS1409828	SHANU MANDLOI
23	DS1716660	SWATI
24	DS1402961	TASMIYA

Head
Department of Biotechnology
Govt. Holkar Science College, Indor

3.7 Students Award List: -

शासकीय (स्वशासी) होलकर विज्ञान महाविद्यालय,इन्दौर (म.प्र.)
बायोटेक्नोलॉजी एवं बायोइंफरमेटिक्स विभाग

प्रति,

प्राचार्य
शासकीय होलकर विज्ञान महाविद्याल,
इन्दौर (म.प्र.)

विषयः– Value Added Certificate Course" के उत्तीर्ण विद्यार्थियों को प्रमाण–पत्र प्रदान करने विषयक।

महोदय,

उपरोक्त विषयांतर्गत लेख है कि बायोटेक्नालॉजी विभाग में दिनांक 01/01/2018 से 13/01/2018 तक **Value added course on "Molecular techniques and Molecular modelling"** विषय पर वैल्यू एडेड कोर्स आयोजित किया गया । इस पाठ्यक्रम में कुल 24 विद्यार्थियों ने अपना पंजीयन करवाया जिसमें से सभी विद्यार्थियों ने पाठ्यक्रम को सफलतापूर्वक पूर्ण किया।

कृपया संलग्न Award List अनुसार पाठ्यक्रम पूर्ण करने वाले विद्यार्थियों को प्रमाण पत्र प्रदान करने का कष्ट करें।

(डॉ. किरण बिल्लौरे)
विभागाध्यक्ष
शासकीय होलकर विज्ञान महाविद्यालय
इन्दौर (म.प्र)

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

Govt. Holkar (Model Autonomous) Science College Indore					
Department of Biotechnology & Bioinformatics					
Award list for course Value Added certificate course on " Molecular techniques and Molecular modelling "2017-18 (MSc.)					
S. No.	ENROLMENT NO	STUDENT'S NAME	Module 1 (Out of 25)	Module 2 (Out of 25)	Total
1	DS1620162	ADITI MATHUR	16	12	28
2	DS1620163	AISHWARYA RATHOD	15	15	30
3	DS1620164	AYUSHI RATHOD	12	14	26
4	DS1620165	DEEPAK PARMAR	18	13	31
5	DS1620166	MANSI POL	12	15	27
6	DS1620167	PAYAL	16	14	30
7	DS1620168	RISHIKA PARMAR	12	12	24
8	DS1312420	ROSHANI SOLANKI	12	13	25
9	DS1620169	SHIVANI ARYA	14	14	28
10	DS1001204	VIJENDRA NIMARE	14	15	29
11	DS1409956	BALWANT	14	12	26
12	DS1716654	BHAVNA	15	14	29
13	DS1409124	NILESHWARI	15	14	29
14	DS1716656	NIRMAL	12	15	27
15	DS1716657	NISHA SINGH	12	12	24
16	DS1716658	OMPRAKASH NAGAR	12	13	25
17	DS1716659	PARLY	13	13	26
18	DS1290956	PRIYANKA	14	16	30
19	DS1722908	RAHUL	15	12	27
20	DS1409130	ROSHNI	14	14	28
21	DS1413681	SAKSHI	12	15	27
22	DS1409828	SHANU MANDLOI	12	12	24
23	DS1716660	SWATI	16	12	28
24	DS1402961	TASMIYA	13	12	25

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

3.8Course Completion Certificate: -

To

THE EXAMINATION CONTROLLER,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Issue of course completion certificate to students for completing value-added certificate course in "Molecular Techniques and Molecular Modelling" during the session 2017-2018.

Respected Sir,

A value-added certificate course on "Molecular Techniques and Molecular Modelling" has been organized by Department of Biotechnology in the session 2017-2018. We kindly request you to issue course completion certificate to students as per the enclosed list, who have successfully completed the value-added certificate course.

Enclosure: List of Students

COURSE COORDINATOR
Department of Biotechnology

Head
Department of Biotechnology
Govt. Holkar Science College, Indore

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

3

4.

Web Development

4.1 Brochure: -

Govt. Holkar (Model, Autonomous)
Science College, Indore
(Accredited Grade "A" by NAAC)

Session 2017-2018

Value-added Certificate Course in
Computer Science

Web-Development

Starting Date: 28th August 2017
End Date: 27th September 2017
Duration of Course: 30 Hrs

Organized by:
Department of Computer Science

Dr. Pradeep Sharma
Course Coordinator

4.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF COMPUTER SCIENCE

NOTICE

Department of Computer Science is conducting the following value Added Certificate course in

Web- Development

The classes shall be conducted by the faculty of the Department of Computer Science Government Holkar (Model, Autonomous) Science College, Indore & Industrial Experts.

Duration: 30 Hrs.

Date: 28 Aug. 2017 to 27 Sept. 2017

Time: 4.00 to 5.20PM

Strength: 30

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

4.3 Syllabus: -

Web- Development

(Value added Certificate Course in Computer Science)

Syllabus

Course Out Comes:

After the completion of this course, a successful student will be able to do the following:

1. Code a handful of useful HTML & CSS examples.
2. Build semantic, HTML & CSS web page.
3. Add Interactivity to a Web Page.
4. Create Dynamic Web Pages using Java Script & CSS in HTML forms
5. Create Webpage with database connectivity

Course Content

Module 1: Web Programming Introduction: Architecture of a website, Different technologies in making the website, Web Development Introduction.
Introduction: History of HTML, what you need to do to get going and make your first HTML page, what are HTML Tags and Attributes? HTML Tag vs. Element, HTML Attributes.
Basic Formatting Tags and HTML-Grouping Using Div & Span: HTML Basic Tags, HTML Formatting Tags, HTML Color Coding, Div and Span Tags for Grouping. List, Images, Hyperlink, Table, Iframe, Form, Hearders.

Module 2: CSS: Introduction: Benefits of CSS, CSS Versions History, CSS Syntax, External Style Sheet using < link >, Multiple Style Sheets, Value Lengths and Percentages. **Syntax:** single Style Sheets, Multiple Style Sheets, Value Lengths and Percentages. **Selectors**: ID Selectors, Class Selectors, Grouping Selectors, Universal Selector, Descendant / Child Selectors, Attribute Selectors. Pseudo Classes, **Color Background Cursor:** background-image, background-repeat background-position, Cursor. **Text Fonts:** color, background-color, text-decoration, text-align, vertical-align, text-indent, text-transform, white space, letter-spacing, word-spacing, line-height, font-family, font-size, font-style, font-variant, font-weight.

Module 3: Lists: list-style-type, list-style-position, list-style-image, and list-style. **Tables:** border, width & height, text-align, vertical-align, padding, color. **Box Model:** Borders & Outline, Margin & Padding, Height and width, Dimensions. **Display Positioning:** CSS Visibility CSS Display, CSS Scrollbars, CSS Positioning, Static Positioning, Fixed Positioning, Relative Positioning, Absolute Positioning, CSS Layers with Z-Index. **Floats:** The float Property, The clear Property, The clear fix Hack.

Module 4: Introduction, **Language Syntax:** Variable declaration, Operators, Control Statements, Error Handling, Understanding arrays, Function Declaration. **Built In Functions:** Built In Functions, Standard Date and Time Functions. **HTML Forms:** HTML Document objects Model, Working with HTML form and its elements.

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Computer Science Department
Govt. Holkar Science College, INDORE

Module 5: HTML DOM: HTML form and its elements, Other HTML Document object Model, Working with Document Object Model. **Cookies, Working with Objects and Classes:** Working with Objects, Call method in JavaScript, Inheritance in JavaScript using prototype. **Database Connectivity:** Using MS-Access, Using MySQL, Using Oracle

EVALUATION: Assignments & multiple choice test
WHO SHOULD DO IT? Undergraduate and PG students

Chairperson, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

4.4 Schedule: -

Govt. Holkar Science College Indore

Department of Computer Science

Time Table for Value added course "Web Development"

Module	Description	Date	Time	Name of Resource person
Moodule1	Introduction	28/08/17 to 05/09/17	4.00 to 5.20	Dr. Pradeep Sharama
	Basic Formatting Tags		4.00 to 5.20	Ms. Priyanaka Agiwal
Module 2	CSS Introduction, Selectors	06/09/17 to 14/09/17	4.00 to 5.20	Ms. Sarita Sharma
	Color, Text Formatting		4.00 to 5.20	Ms. Aarti Shirvastava
Module 3	List, Box Model	15/09/17 to 20/09/17	4.00 to 5.20	Mr. Manish Singh
	Display Positioning, Floats		4.00 to 5.20	Ms. Yugal Sharma
Module 4	JavaScript, Built-in function	21/09/17 to 24/09/17	4.00 to 5.20	Mr. Anish Singh, Software Engineer, TCS.
	HTML DOM		4.00 to 5.20	Mr. Anish Singh, Software Engineer, TCS.
Module 5	Working With Class and Object	25/09/17 to 27/09/17	4.00 to 5.20	Mr. Akhilesh Khare, Software Engineer, Lirisoft Pvt. Ltd.
	Database Connectivity		4.00 to 5.20	Mr. Akhilesh Khare, Software Engineer, Lirisoft Pvt. Ltd.
On the last day of every module, there will be an assessment test				

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

4.5 Students Award List: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF COMPUTER SCIENCE

Award list for a value-added course (Programming and Problem Solving through Python

S.No.	Name of Student	Enrollment	class	Module I	Module II	Module III	Module IV	Module V	TOTAL
1	ABHISHEK VISHWAKARMA	DX1706958	BCA I Sem	6	9	9	7	7	38
2	ANIMESH RAJPUT	DX1706965	BCA I Sem	5	5	5	5	6	26
3	ANUJ JAIN	DX1706972	BCA I Sem	8	9	5	6	6	34
4	ARTI AHIRWAR	DX1604492	BCA III Sem	6	9	8	8	8	39
5	AYESHA CHOUBEY	DX1604494	BCA III Sem	6	5	5	9	8	33
6	ABUJAR SHAIKH	DX1505043	BCA V Sem	6	8	5	8	7	34
7	AKSHAY SHUKLA	DX1505046	BCA V Sem	7	6	6	6	7	32
8	KESHAV YADAV	DS1514733	B.Sc. V Sem	6	5	7	6	8	32
9	BHOOMIKA MOURYA	DX1706978	BCA I Sem	6	6	8	5	9	34
10	BHURELAL	DX1706979	BCA I Sem	9	5	8	8	8	38
11	DASHRATH RATHOR	DX1706980	BCA I Sem	7	7	6	6	8	34
12	DHEERAJ	DX1706981	BCA I Sem	8	8	8	7	7	37
13	DIKSHA TIWARI	DX1706982	BCA I Sem	5	6	5	8	5	29
14	KHUSHBOO YADAV	DX1706991	BCA I Sem	6	7	9	5	9	36
15	KHUSHBU MOURYA	DX1706992	BCA I Sem	5	6	6	8	9	34
16	KULDEEP CHOUHAN	DX1706995	BCA I Sem	9	7	6	6	7	35
17	MAHENDRA PATIDAR	DX1706996	BCA I Sem	7	9	7	8	5	36
18	MAHIMA JHADE	DX1706997	BCA I Sem	8	6	8	9	7	38
19	MANSI SINGH	DX1706998	BCA I Sem	8	6	9	8	9	40
20	SURESH KUMAR	DS1514501	B.Sc. V Sem	6	9	5	7	6	33
21	SURYPRAKASH PATIDAR	DS1514504	B.Sc. V Sem	8	7	6	8	7	36
22	PRANEETA JOSHI	DS1716672	M.Sc. I Sem	8	8	9	7	7	39
23	SHIVANI JAIN	DS1716673	M.Sc. I Sem	6	7	7	7	7	34
24	SNEHA KATARE	DS1716674	M.Sc. I Sem	7	6	8	6	7	34
25	SURYALI JAIN	DS1716675	M.Sc. I Sem	9	5	9	8	7	38
26	MANISH KUMAR MISHRA	DS1312010	M.Sc. III Sem	6	7	6	5	8	32
27	MAYANK GUPTA	DX1604533	BCA III Sem	5	6	7	6	7	31
28	VIRENDRA VISHWAKARMA	DX1604585	BCA III Sem	8	5	5	7	6	31
29	ANIL RAWAT	DS1514673	B.Sc. III Sem	8	8	8	5	6	35
30	VIVEK SHARMA	DS1513947	B.Sc. III Sem	7	8	7	7	6	35

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

4.6 Course Completion Certificate: -

To

THE EXAMINATION CONTROLLER,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Issue of course completion certificate to students for completing value-added certificate course in "Web Development" during the session 2017-2018.

Respected Sir,

A value-added certificate course on "Web Development" has been organized by Department of Computer Science in the session 2017-2018. We kindly request you to issue course completion certificate to students as per the enclosed list, who have successfully completed the value-added certificate course.

Enclosure: List of Students

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

COURSE COORDINATOR
Department of Computer Science

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

5.

Programming and Problem Solving Through Python

5.1 Brochure: -

Govt. Holkar (Model, Autonomous) Science College, Indore
NAAC
'A' GRADE
Session 2017-2018
Value-added Certificate Course in
Computer Science
Programming & Problem - solving through Python
Course Schedule: 23.10.2017 to 18.11.2017
Course Duration : 30 Hours
Organized by:
Department of Computer Science
Eligibility: All UG & PG Students
Course Coordinator: Dr. Pradeep Sharma

5.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE

DEPARTMENT OF COMPUTER SCIENCE

NOTICE

Department of Computer Science is conducting the following value Added Certificate course in

Programming and Problem Solving through Python

The classes shall be conducted by the faculty of the Department of Computer Science Government Holkar (Model, Autonomous) Science College, Indore & Industrial Experts.

Duration: 30 Hrs.

Date: 23 Oct. 2017 to 18 Nov. 2017

Time: 4.00 to 5.20PM

Strength: 30

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

5.3 Syllabus: -

Govt. Holkar (Model Autonomous) Science College, Indore
Programming and Problem Solving through Python
(Value added Certificate Course in Computer Science)

Syllabus

Course Out Comes:

After the completion of this course, a successful student will be able to do the following:

1. Write simple Python programs using common data structures.
2. Use files for data input and output.
3. Make use of sequences and standard libraries in programming.
4. Apply object Oriented Programming concepts in problem solving.
5. Gain knowledge of Python frameworks for Data Analysis & web development.

Course Content

Module 1: Introduction: History of Python, Need of Python Programming, The application area of python, Installation of Python IDE(PyCharm), Execute form command line and using IDE. **Python Basics:** Keyword, Data Types &Variables, Type conversion in Python, Expression, Operator, Data input and output.

Module 2: Control Statement in Python: if statement, if-elif-else statement, for loop, while loop, break, continue, pass, else clause. **Sequences in Python:** Array, String, list, Tuple, Set, Dictionary.

Module 3: Function: Define Function, main() in python, Calling function, Passing Argument, Keyword Arguments, Default Arguments, Variable length Argument, Anonymous Functions, Fruitful function(Function Returning Values), Scope of Variable in Function, Recursion, Decorator. **Module:** Definition, Importing module using import statement, from statement, Creating Module, namespacing, Python Packages, Introduction to PIP, installing package by a PIP.

Module 4: Object- Oriented Programming in Python: Class & Object, Methods, Constructor and Destructor, Inheritance, Overriding, Overloading, Data Hiding, Error and Exception Handling.

Module 5: File Handling in Python: Read, Create/Write, Delete, and Rename, Reading and Writing CSV Files in Python. **Data Analysis with Python:** NumPy, SciPy, Pandas, Matplotlib. Interface Python with SQL, Introduction to MongoDB.

EVALUATION: Assignments & multiple choice test

WHO SHOULD DO IT? Undergraduate and PG students

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

5.4 Schedule: -

Govt. Holkar Science College Indore

Department of Computer Science

Time Table for Value added course "Programming and Problem Solving through Python"

Module	Description	Date	Time	Name of Resource person
Moodule1	Introduction	23-10-2017 to 27-10-2017	4.00 to 5.20	Dr. Pradeep Sharama
	Python Basics		4.00 to 5.20	Ms. Priyanaka Agiwal
Module 2	Control Statement in Python	28-10-2017 to 01-11-2017	4.00 to 5.20	Ms. Sarita Sharma
	Sequences in Python		4.00 to 5.20	Ms. Aarti Shirvastava
Module 3	Function	2-11-2017 to 7-11-2017	4.00 to 5.20	Mr. Manish Singh
	Module		4.00 to 5.20	Ms. Payal Jain
Module 4	Object- Oriented Programming in Python -I	8-11-2017 to 12-11-2017	4.00 to 5.20	Mr. Anish Singh, Software Engineer, TCS.
	Object- Oriented Programming in Python -II		4.00 to 5.20	Mr. Anish Singh, Software Engineer, TCS.
Module 5	File Handling in Python	13-11-2017 to 18-11-2017	4.00 to 5.20	Mr. Akhilesh Khare, Software Engineer, Lirisoft Pvt. Ltd.
	Data Analysis		4.00 to 5.20	Mr. Akhilesh Khare, Software Engineer, Lirisoft Pvt. Ltd.
	Python with SQL		4.00 to 5.20	Mr. Manish Singh
On the last day of every module, there will be an assessment test				

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

5.5 Students Award List: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE INDORE
DEPARTMENT OF COMPUTER SCIENCE
Session: 2017-18
Award list for a value-added course (Programming and Problem Solving through Python)

S.No.	Name of Student	enrollment	class	Module I	Module II	Module III	Module IV	Module V	TOTAL
1	RANJNA	DS1513746	B.Sc. V sem.	A	A	A	A	A	A
2	SHWETA TIWARI	DS1513864	B.Sc. V sem.	6	7	9	5	9	36
3	PRAVIN ANARE	DX1707016	B.C.A. I Sem.	6	5	5	9	8	33
4	NIKITA PANWAR	DS1513649	B.Sc. V sem.	6	9	8	8	8	39
5	PRANAY BANSOD	DX1604548	B.C.A. III sem.	6	9	5	7	6	33
6	SUMEET MANDAL	DS1618743	B.Sc. III sem.	6	8	5	8	7	34
7	VISHAKHA YADAV	DS1618823	B.Sc. III sem.	7	6	6	6	7	32
8	REKHA MUNIYA	DS1513758	B.Sc. V sem.	6	5	7	6	8	32
9	SURBHI SAHU	DS1618753	B.Sc. III sem.	6	6	8	5	9	34
10	ASMITA SHARMA	DS1513419	B.Sc. V sem.	9	5	8	8	8	38
11	PALLAVI WAGADRE	DX1604544	B.C.A. III sem.	7	7	6	6	8	34
12	PRABHATSINGH RAJPUT	DX1710230	B.C.A. I Sem.	5	5	5	5	6	26
13	PRASHANT	DX1604549	B.C.A. III sem.	5	6	5	8	5	29
14	PRIYANSHI SHARMA	DX1604551	B.C.A. III sem.	A	A	A	A	A	A
15	MANDAVI SONI	DS1513583	B.Sc. V sem.	5	6	6	8	9	34
16	SHEETAL KUSHWAH	DS1513834	B.Sc. V sem.	9	7	6	6	7	35
17	VINISHA VAISHNAV	DS1618787	B.Sc. III sem.	7	9	7	8	5	36

18	SUPRIYA TOMAR	DS1618748	B.Sc. III sem.	8	6	8	9	7	38
19	RAMKRISHNA	DX1604557	B.C.A. III sem.	8	6	9	8	9	40
20	VISHNU DHAKAD	DX1604588	B.C.A. III sem.	6	9	9	7	7	38
21	RAVI ALAWA	DX1707022	B.C.A. I Sem.	5	6	7	6	7	31
22	SHUBHAM CHOUHAN	DX1604574	B.C.A. III Sem.	8	5	5	7	6	31
23	PRIYANSHU RAJPUT	DX1707018	B.C.A. I Sem.	6	9	8	8	8	39
24	TANIYA SHRINATH	DX1604580	B.C.A. III Sem.	5	6	6	8	9	34
25	KAJAL NERKAR	DX1706989	B.C.A. I Sem.	9	5	9	8	7	38
26	PRACHI PAWAR	DX1707015	B.C.A. I Sem.	8	8	8	5	6	35
27	SHUBHAM ARYA	DS1618722	B.Sc. III sem.	5	5	5	5	6	26
28	RAJESH	DX1710235	B.C.A. I Sem.	9	5	8	8	8	38
29	BARKHA	DX1706977	B.C.A. I Sem.	6	7	7	7	7	34
30	PRADEEP YADAV	DX1710232	B.C.A. I Sem.	7	6	8	6	7	34

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

5.6 Course Completion Certificate: -

To

THE EXAMINATION CONTROLLER,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Issue of course completion certificate to students for completing value-added certificate course in "Programming and Problem Solving Through Python" during the session 2017-2018.

Respected Sir,

A value-added certificate course on "Programming and Problem Solving Through Python" has been organized by Department of Computer Science in the session 2017-2018. We kindly request you to issue course completion certificate to students as per the enclosed list, who have successfully completed the value-added certificate course.

Enclosure: List of Students

HEAD
Computer Science Department
Govt. Holkar Science College, INDORE

COURSE COORDINATOR
Department of Computer Science

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore

6.

Food Adulteration & Its Detection

6.1 Brochure: -

Govt. Holkar (Model Autonomous) Science College, Indore

Under the Umbrella of IQAC

2017-2018

COURSE START DATE : 30.08.2017

FOOD ADULTERATION & ITS DETECTION

A VALUE-ADDED CERTIFICATE COURSE by Department of Chemistry

DURATION : 35 HOURS

Evaluation Methods:

- Assignment Submission
  &
  Practical test
-

ELIGIBILITY

All Science Graduates and Post Graduates

EMPLOYABILITY

In Food safety Laboratories

- For registratiion, Contact:
  Dr. Meenal Shrivastava, Department of Chemistry
-

6.2 Notice: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

DEPARTMENT OF CHEMISTRY (Session 2017-2018)

NOTICE

Department of CHEMISTRY is conducting the following value-added Certificate course in

FOOD ADULTERATION AND ITS DETECTION

The classes shall be conducted by the faculty of the Department of Chemistry, Government Holkar (Model Autonomous) Science College, Indore.

Duration: 35 Hrs.

Date: August 30, 2017 to September 29, 2017

Holidays: All Sundays, September 02, 2017

Time: 4.00 to 5.30 PM

Strength: 75

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College, INDORE

6.3 Syllabus: -

GOVT HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

FOOD ADULTERATION AND ITS DETECTION

(Value added Certificate Course in Chemistry)

Syllabus

Course Learning Out Comes:

This Value added Certificate Course will give the students an overview of the nature of food adulteration, their harmful effects to and their detection by simple analytical methods. The students will be able to supplement their knowledge as well as analytical Skills in detecting various contaminants:

Course Content

Module 1:

Introduction to detection of Food Adulteration:

- Sources of Food Contamination
- Types & methods of Food adulteration
- How to detect Adulteration with Rapid test (DART)

Module 2:

Adulteration in Milk and Milk Products:

- Detection of water in milk.
- Detection of detergent in milk.
- Detection of starch in milk and milk products.
- Detection of mashed potatoes, sweet potatoes in Ghee and butter.

Module 3:

Adulteration in Oils and Fats:

- Detection of other oils in coconut oil
- Detection of margarine or vanaspati in Ghee / Butter.

Professor
Department of Chemistry
Govt. Holkar Sc. College, INDORE

- Detection of starch in Ghee / Butter.
- Detection of non-permitted colours in oil.

Module 4:

Adulteration in Sugar and Confectionaries:

- Detection of sugar solution in honey.
- Detection of Chalk Powder in sugar and jaggery.
- Detection of Metanil Yellow colour in jaggery.
- Detection of washing soda in sugar.

Module 5 :

Adulteration in Food grains and its Products:

- Detection of extraneous matter in food grains.
- Detection of ergot in food grains
- Detection of dhatura in food grains
- Detection of excess bran in food grains
- Detection of khesari dal in whole or split dal.
- Detection of added colours in food grains
- Detection of iron filings in attaa/maida/suji
- Detection of turmeric in sella rice
- Detection of rhodamine B in ragi

EVALUATION METHOD: Modular Assignments & MCQ based test

ELIGIBILITY: for UG and PG students

Coordinator, Board of Studies
Govt. Holkar (Model Autonomous)
Science College, Indore

Approved

Member Secretary, Academic Council
Govt. Holkar (Model Autonomous)
Science College, Indore

6.4 Schedule: -

Govt. Holkar (Model, Autonomous) Science College, Indore

Department of Chemistry

Time Table for Value added course

"FOOD ADULTERATION AND ITS DETECTION"

Module	Description	Date	Time	Name of Resource person
Module 1	**Introduction to detection of Food Adulteration:** • Sources of Food Contamination • Types & methods of Food adulteration • How to detect Adulteration with Rapid test (DART)	30/08/2017 to 05/09/2017	4.00 to 5.30	Dr.Anamika Jain & Dr. Neelima Pradhan
Module 2	**Adulteration in Milk and Milk Products:** • Detection of water in milk. • Detection of detergent in milk • Detection of starch in milk and milk products. • Detection of mashed	06/09/2017 to 14/09/2017	4.00 to 5.20	Dr Vijayshree Nilose & Dr. P K Jain

Professor & Head
Department of Chem...
Govt. Holkar Sc. College ...

	potatoes, sweet potatoes in Ghee and butter.			
Module 3	**Adulteration in Oils and Fats:** • Detection of other oils in coconut oil • Detection of margarine or vanaspati in Ghee / Butter. • Detection of starch in Ghee / Butter. • Detection of non-permitted colours in oil.	**15/09/2017 to 21/09/2017**	**4.00 to 5.20**	**Dr. Ashok Barua & Dr. Vineeta Khare**
Module 4	**Adulteration in Sugar and Confectionaries:** • Detection of sugar solution in honey. • Detection of Chalk Powder in sugar and jaggery. • Detection of Metanil Yellow colour in Jaggery. • Detection of washing soda in sugar.	**22/09/2017 to 25/09/2017**	**4.00 to 5.20**	**Dr. Pramila Kori & Dr. Laxmi Tantuvai**
Module 5	**Adulteration in Food grains and its Products:**	**26/09/2017 to 29/09/2017**	**4.00 to 5.20**	**Dr. Sandeep Gohar & Dr. Rachana Dubey**

Professor & Head
Department of Chemistry
Govt. Holkar Science College INDORE

	• Detection of extraneous matter in food grains. • Detection of ergot in food grains • Detection of dhatura in food grains • Detection of excess bran in food grains • Detection of khesari dal in whole or split dal. • Detection of added colours in food grains • Detection of iron filings in attaa/maida/ suji • Detection of turmeric in sella rice • Detection of rhodamine B in ragi			
On the last day of every module, there will be an assessment test				

Professor and Head
Department of Chemistry
Govt. Holkar Sc. College, INDORE

6.5 Students List: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

DEPARTMENT OF CHEMISTRY

Enrolled list for a value-added course (**Food Adulteration and its Detection**)

Name	Enrolment no
ANIL	DS1620175
ANIL SISODIYA	DS1311538
ANJALI SINGH	DS1620176
ASHWIN	DS1311622
AVANI	DS1311630
AVINASH SONANIYA	DS1311632
CHHAGAN LAL	DS1313219
GAYATRI MUCHHALA	DS1310073
KAMAKSHI BATWAL	DS1620177
KRATIKA BADODIYA	DS1300362
KUNTA BHANWAR	DS1306937
LATA	DS1311963
LAXMI RANDA	DS1303600
MAHESH MALE	DS1310130
MUKESH MOBHIYA	DS1310231
POOJA	DS1312189
POOJA SHARMA	DS1620180
POOJA YADAV	DS1312199
PRADAKSHINA	DS1312206
PRANITA NEVE	DS1312227
PRIYANKA PATIDAR	DS1620182
RITU	DS1312398
SANGEETA NAGAR	DS1620183
SAPNA	DS1312483
SATYABHAMA PATIDAR	DS1302559
SURESH KUMAR	DS1312648
TRUSHA	DS1312672
VARSHA	DS1309897
YOGITA	DS1312760

Professor
Department of
Govt. Holkar Sc, C INDORE

6.6 Students Award List: -

GOVT. HOLKAR (MODEL AUTONOMOUS) SCIENCE COLLEGE, INDORE

DEPARTMENT OF CHEMISTRY

Award list for a value-added course (**Food Adulteration and its Detection**)

S.No.	Name of Student	enrollment	Class/ Sem	Module I	Module II	Module III	Module IV	Module V	TOTAL
1	ANIL	DS1620175	IIISEM	6	9	9	7	7	38
2	ANIL SISODIYA	DS1311538	IIISEM	5	5	5	5	6	26
3	ANJALI SINGH	DS1620176	IIISEM	8	9	5	6	6	34
4	ASHWIN	DS1311622	IIISEM	6	9	8	8	8	39
5	AVANI	DS1311630	IIISEM	6	5	5	9	8	33
6	AVINASH SONANIYA	DS1311632	IIISEM	6	8	5	8	7	34
7	CHHAGAN LAL	DS1313219	IIISEM	7	6	6	6	7	32
8	GAYATRI MUCHHALA	DS1310073	IIISEM	6	5	7	6	8	32
9	KAMAKSHI BATWAL	DS1620177	IIISEM	6	6	8	5	9	34
10	KRATIKA BADODIYA	DS1300362	IIISEM	A	A	A	A	A	A
11	KUNTA BHANWAR	DS1306937	IIISEM	7	7	6	6	8	34
12	LATA	DS1311963	IIISEM	9	5	8	8	8	38
13	LAXMI RANDA	DS1303600	IIISEM	5	6	5	8	5	29
14	MAHESH MALE	DS1310130	IIISEM	6	7	9	5	9	36
15	MUKESH MOBHIYA	DS1310231	IIISEM	5	6	6	8	9	34
16	POOJA	DS1312189	IIISEM	9	7	6	6	7	35
17	POOJA SHARMA	DS1620180	IIISEM	7	9	7	8	5	36
18	POOJA YADAV	DS1312199	IIISEM	A	A	A	A	A	A
19	PRADAKSHINA	DS1312206	IIISEM	8	6	9	8	9	40
20	PRANITA NEVE	DS1312227	IIISEM	6	9	5	7	6	33
21	PRIYANKA PATIDAR	DS1620182	IIISEM	8	6	8	9	7	38

Professor and Head
Department of Chemistry
Govt. Holkar College INDORE

22	RITU	DS1312398	IIISEM	8	8	9	7	7	39
23	SANGEETA NAGAR	DS1620183	IIISEM	6	7	7	7	7	34
24	SAPNA	DS1312483	IIISEM	A	A	A	A	A	A
25	SATYABHAMA PATIDAR	DS1302559	IIISEM	9	5	9	8	7	38
26	SURESH KUMAR	DS1312648	IIISEM	7	6	8	6	7	34
27	TRUSHA	DS1312672	IIISEM	5	6	7	6	7	31
28	VARSHA	DS1309897	IIISEM	8	5	5	7	6	31
29	YOGITA	DS1312760	IIISEM	8	8	8	5	6	35

Professor And Head
Department of Chemistry
Govt. Holkar Sc. College,INDORE

6.7 Course Completion Certificate: -

To

THE EXAMINATION CONTROLLER,

Govt. Holkar (Model, Autonomous) Science College, Indore.

Subject: Issue of course completion certificate to students for completing value-added certificate course in "Food Adulteration & its Detection" during the session 2017-2018.

Respected Sir,

A value-added certificate course on "Food Adulteration & its Detection" has been organized by Department of Chemistry in the session 2017-2018. We kindly request you to issue course completion certificate to students as per the enclosed list, who have successfully completed the value-added certificate course.

Enclosure: List of Students

COURSE COORDINATOR
Department of Chemistry
Professor And Head
Department of Chemistry
Govt. Holkar Sc. College, INDORE

Verified by IQAC

IQAC Coordinator
Government Holkar (Model Autonomous)
Science College, Indore