School of Research and Technology
(Faculty of Engineering)

Date: 01/12/2020

Notification

Value Added Course (July-Dec. 2020)

Dear Students,

This is to inform you all that in upcoming even semester (July-Dec. 2020) Value Added Course will be offered to students presently studying in I Semester by the Institute.

Name of Course: Sensors and Transducers

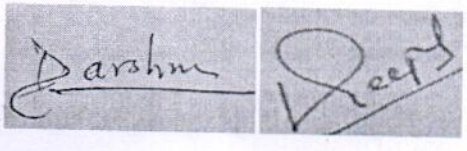
Name of Resource Person: Ms Darshana Rai

Name of Faculty Coordinator: Ms Darshana Rai

Dates: 14th Dec. 2020 – 2th Jan. 2021

Registration Link/Form/Other:

Last date of Registration: 12 Dec. 2020



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School of Research and Technology
(Faculty of Engineering)

Value Addition Course: Sensors and Transducers

Introduction:

Sensor/Detectors/Transducers are electrical, opto-electrical, or electronic devices composed of specialty electronics or otherwise sensitive materials, for determining if there is a presence of a particular entity or function. Many types of sensors, detectors, and transducers are available including those for detecting a physical presence such as flame, metals, leaks, levels, or gas and chemicals, among others. Some are designed to sense physical properties such as temperature, pressure, or radiation, while others can detect motion or proximity. They operate in a variety of manners depending on the application and may include electromagnetic fields, or optics, among others. Many applications over a wide range of industries use sensors, detectors, and transducers of many kinds to test, measure, and control various processes and machine functions.

Course Outcomes: At the end of the course, students will be able to,

[1]. Understand the terminology of Instrumentation and analyze various sensors.

[2]. Able to apply signal conditioning for measurements.

[3]. Explain various measurements techniques for industrial and laboratory applications of various transducers

Course Content / Syllabus:

- Introduction: Definition, Application and types of measurements, Instrument classification, Functional elements of an instrument, Input-output configuration of measuring instruments, Methods of correction for interfering and modifying inputs, Standards, Calibration,
- Sensors/Transducers: Definition, Types, Basic principle and applications of Resistive, Inductive, Capacitive, Piezoelectric and their Dynamic performance. Fiber optic sensors, Bio-chemical sensors, Hall-Effect, Photoemissive, Photo Diode/ Photo Transistor, Photovoltaic, LVDT, Strain Gauge Digital transducers: Principle, Construction, Encoders.

Mode of Assessment: Quiz/Test

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Report of Value Addition Course

Date(From - To): 14/12/2020-2/01/2021

Title of Event: **Sensors and Transducers**

Venue: Applied Science, SORT, Bhopal, MP

Name(s) of Resource Person : **Ms Darshana Rai**

Name Coordinator(s): **Ms Darshana Rai**

Collaborator/Sponsor (if any):Nil

No. of Participants (Faculty member and Student separately): 93

Brief about the event (Minimum 50 words)

Many applications over a wide range of industries use sensors, detectors, and transducers of many kinds to test, measure, and control various processes and machine functions. With the advent of the Internet of Things (IoT), the need for sensors as a primary tool to provide enhanced automation is increasing. In this event various aspects of applications and challenges of sensors and transducers were discussed.

Outcome/Impact of event/activity in brief:

[1]. Students will be able to understand the terminology of Instrumentation and analyze various sensors.

[2]. Students will be able to able to apply signal conditioning for measurements.

[3]. Students will be able to explain various measurements techniques for industrial and laboratory applications of various transducers

Supporting Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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BHANPUR, BHOPAL (M.P.)

School of Research and Technology
(Faculty of Engineering)

Date: 15/03/2021

Notification

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June2021) Value Added Course will be offered to students presently studying in II Semester by the Institute.

Name of Course: Quantitative Ability and Logical Reasoning

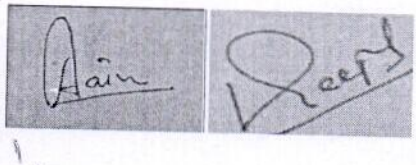
Name of Resource Person: Ms Swati Jain

Name of Faculty Coordinator: Ms Swati Jain

Dates: 18 May 2021 -12 June 2021

Registration Link/Form/Other:

Last date of Registration: 16 May 2021



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School of Research and Technology
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Value Addition Course: Logical Ability and Quantitative Ability

Introduction: The logical reasoning and quantitative ability represents a systematic way to judge a candidate's mental capability as how he/she performs certain tasks and reacts to different scenarios. Each aptitude test uses a standard method of administration and scoring so that results can be computed and compared with the other candidates.

Course Outcomes: On successful completion of the course the students will be able to:

[1]. Analyze to actively do mathematics-such as analyzing the data, constructing hypotheses, solving problems, reflecting on their work and making connections

[2]. Explore and apply key concepts in logical thinking to business problems.

Course Content / Syllabus:

1. Quantitative Ability (Applied & Engineering Mathematics) 8Hrs

1.1. Logarithm, 1.2. Permutation and Combinations, 1.3 Probabilities, 1.4 Profit and Loss, 1.5 Simple and Compound Interest, 1.6. Time, Speed and Distance, 1.7. Time & Work, 1.8. Ratio and Proportion, 1.9. Area, 1.10 Mixtures and Allegation

2. Logical Reasoning (Deductive Reasoning) 12 Hrs

2.1. Analogy, 2.2. Blood Relation, 2.3 Directional Sense, 2.4. Number and Letter Series , 2.5. Coding- Decoding, 2.6. Calendars, 2.7. Clocks, 2.8. Venn Diagrams, 2.9. Seating Arrangement, 2.10. Syllogism, 2.11. Mathematical Operations.

Mode of Assessment: Quiz/Test

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Report of Value Addition Course

Date(From - To): 18/05/2021-12/06/2021

Title of Event: Quantitative Ability and Logical Reasoning

Venue: Applied Science, SORT, Bhopal, MP

Name(s) of Resource Person : **Ms Swati Jain**

Name Coordinator(s): **Ms Swati Jain**

Collaborator/Sponsor (if any):Nil

No. of Participants (Faculty member and Student separately): 93

Brief about the event (Minimum 50 words)

Students will be able to understand analyzing the data, constructing hypotheses, solving problems, reflecting on their work and making connections.

Outcome/Impact of event/activity in brief:

[1]. Students will be able to analyze to actively do mathematics-such as analyzing the data, constructing hypotheses, solving problems, reflecting on their work and making connections

[2]. Students will be able to explore and apply key concepts in logical thinking to business problems.

Supporting Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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BHANPUR, BHOPAL-462037

School of Research and Technology
(Faculty of Engineering)

Date: 21/11/2020

Notification

Value Added Course (July-Dec. 2020)

Dear Students,

This is to inform you all that in upcoming even semester (July-Dec. 2020) Value Added Course will be offered to students presently studying in III Semester by the Institute.

Name of Course: Nanotechnology

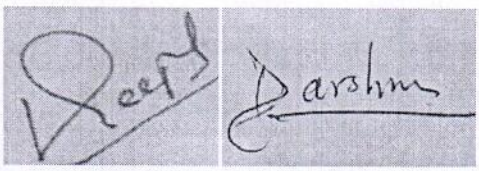
Name of Resource Person: Ms Darshana Rai

Name of Faculty Coordinator: Ms Darshana Rai

Dates: 14th Dec. 2020 – 2th Jan. 2021

Registration Link/Form/Other:

Last date of Registration: 12 Dec. 2020



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School of Research and Technology
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Value Addition Course: Nanotechnology

Introduction:

Nanotechnology represents a revolutionary path for technological development that concerns the management of material at the nanometer scale (one billion times smaller than a meter). Nanotechnology factually means any technology on the nanoscale that has numerous applications in the real world. Nanotechnology literally encompasses the fabrication and application of chemical, physical, and biological systems at scales ranging from individual molecules or atoms to submicron dimensions, and also the integration of these resulting nanomaterials into larger systems.

Course Outcomes: At the end of the course, students will be able to,

[1]. Learn about the background on Nano science

[2]. Understand the synthesis of nanomaterials and their application and the impact of nanomaterials on environment

[3]. Apply their learned knowledge to develop Nanomaterial's.

Course Content / Syllabus:

Nanofabrication technology (nanometre length scale, from "bottom up" to "top down"technologies), the interdisciplinary nature of nanotechnology and nanoscience (including areas of chemistry,material science, physics, and molecular biology), examples of nanoscience phenomena (the crossover from bulk to quantum mechanical properties), and applications (from integrated circuits, quantum computing,MEMS, Nano-magnetics and bioengineering).

Mode of Assessment: Quiz

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School of Research and Technology
(Faculty of Engineering)
Report of Value Addition Course

Date(From - To): **14th Dec. 2020 – 2th Jan. 2021**

Title of Event: **Nanotechnology**

Venue: Applied Science, SORT, Bhopal, MP

Name(s) of Resource Person : **Ms Darshana Rai**

Name Coordinator(s): **Ms Darshana Rai**

Collaborator/Sponsor (if any):Nil

No. of Participants (Faculty member and Student separately): 147

Brief about the event (Minimum 50 words)

Nanotechnology is the manipulation of matter on a near-atomic scale to produce new structures, materials and devices. The technology promises scientific advancement in many sectors such as medicine, consumer products, energy, materials and manufacturing. Nanotechnology refers to engineered structures, devices, and systemsAt this size, materials begin to exhibit unique properties that affect physical, chemical, and biological behavior. Researching, developing, and utilizing these properties is at the heart

Outcome/Impact of event/activity in brief:

[1]. Student will be able to learn about the background on Nano science

[2]. Student will be able to understand the synthesis of nanomaterials and their application and the impact of nanomaterials on environment

[3]. Student will be able to Apply their learned knowledge to develop Nanomaterial's.***Supporting***

Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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BHANPUR, BHOPAL-462037

School of Research and Technology
(Faculty of Engineering)

Date: 10th May 2021

Notification

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June. 2021) Value Added Course will be offered to students presently studying in IV Semester by the Institute.

Name of Course: Verbal & Non-Verbal Reasoning

Name of Resource Person: Ms. Moumita Ghosh

Name of Faculty Coordinator: Ms. Moumita Ghosh

Dates: 18th May, 2021 – 10th June, 2021

Registration Link/Form/Other:

Last date of Registration: 15May, 2021

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Value Addition Course: Verbal & Non-Verbal Reasoning

Introduction:

This course is designed to illustrate and explain the intricacies and nuances involved in choosing responses to questions asked in the examination, reading between and beyond the lines. It also aims to categorize and explain various principles of grammar in order to help students to minimize errors in the language. This course suits the needs of the students and to acquaint them with the ability to develop analytical thinking, information processing capabilities, creative thinking ability, and evaluation skills.

Course Outcomes: At the end of the course students will be able to:

- detect errors of grammar and usage in a given sentence.
- solve questions based on critical reasoning.
- analyze the text and find the correct response.

Course Content / Syllabus:

Distance and Direction sense Test, Sequence Test, Human relation, Coding & Decoding, Odd man out, Mutual relation problems, Tallest-youngest relations, Dictionary words, Analogy, Non- Verbal reasoning, Number coding, Number Puzzle.

Mode of Assessment: Quiz

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School of Research and Technology
(Faculty of Engineering)

Report of Value Addition Course

Date(From - To): **18th May' 2021 – 10th June' 2021**

Title of Event: **Verbal & Non-verbal Reasoning**

Venue: Applied Science, SORT, Bhopal, MP

Name(s) of Resource Person : **Ms Moumita Ghosh**

Name Coordinator(s): **Ms Moumita Ghosh**

Collaborator/Sponsor (if any):Nil

No. of Participants (Faculty member and Student separately): Faculty- 01, No. of Students: 147

Brief about the event (Minimum 50 words)

Verbal reasoning works with words and non-verbal reasoning works with pictures and diagrams. Reasoning is the process of thinking in logical way in order to form the conclusion or judgement from information. Reasoning basically tests candidates logical thinking and skill to draw inferences. Importance of verbal and non-verbal reasoning is increasingly moving centre stage in competitive or entrance examinations.

Outcome/Impact of event/activity in brief:

- Student will be able to detect errors of grammar and usage in a given sentence.
- Student will be able to solve questions based on critical reasoning.
- Student will be able to analyze the text and find the correct response.

Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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School of Research and Technology
(Faculty of Engineering)

Date: 02/4/2021

Notification

Value Added Course

(Jan-Jun 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-Jun 2021) Value Added Course will be offered to students presently studying in IV Semester by the Institute.

Name of Course: Stress and Time Management

Name of Resource Person: Mr. Shashi Kant Sharma

Name of Faculty Coordinator: Mr. Shashi Kant Sharma

Dates: 15 April to 30 April 2021

Registration Link/Form/Other:

Registration form

Name	
Branch	
Program	
Semester	
Enrollment No.	

Last date of Registration: 13 April 2021

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School of Research and Technology
(Faculty of Engineering)

Value Addition Course: Stress and Time Management

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about Stress and Time Management. It provides fundamental Concepts, the necessary knowledge about Health and Time Management the basic skills related to smart Work culture and Human Moral Ethics.

Course Outcomes: At the end of the course, students will be able to,

[1]. Learn the outline of Stress and Time Management High levels of stress can be a barrier to making healthy lifestyle changes.

[2]. Streamlining activities and tasks can be an effective time-management strategy.

[3]. Appreciate the smartness, Laughter is a great way to manage stress and stay healthy.

Course Content / Syllabus:

S. No	Content	Total Hours
1	**Introduction to Stress and Time Management:** introduces you to the ideas of time and stress management. Within this unit, the importance of goal sets and time tracking. How to-do lists can help you manage your time and stress. Yoga and Meditation.	6
2	**Identifying Stressors and Destructor:** Introduction, introduces you to the problems that arise when trying to manage your time. You will learn how to prioritize tasks and figure out what is urgent. What stressors can arise and how to own them. How much time you can devote to certain tasks. Time Frame	6
3	**Overcoming Stressors and Destructors:** Introduction, different strategies for coping with stress. How to figure out what is keeping you from being productive and how to end those issues.	6

Mode of Assessment: Quiz/Test

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School of Research and Technology
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Report of Value Addition Course

Date (From - To): 15/4/2021 to 30/4/2021

Title of Event: **Stress and Time Management**

Venue: SORT, People's University

Name(s) of Chief Guest/ Other Guests / Resource Person/ Speaker(s): (If any)

Name Coordinator(s): Mr. Shashi Kant Sharma

Collaborator/Sponsor (if any):

No. of Participants (Faculty member and Student separately):28

Brief about the event (Minimum 50 words)

Students got the knowledge about Stress and Time Management this course is part of the Success Skills and Self-improvement Specialization! Time Management is one of the most basic skills that any person needs to possess nowadaysand represents a new

Outcome/Impact of event/activity in brief: -

Students got the knowledge about Stress and Time Management. This course is part of the Success Skills and Self-improvement Specialization. Time Management is one of the most basic skills that any person needs to possess now a day. This course helps the learner to have a better understanding of principles of time management and be in control of life events.

Supporting Documents:

- No. of Participants Attended: 28 (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: 28 (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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(Established by MP Act No. 18 of 2011 & approved u/s 2 (f) of UGC Act 1956)

ISO 9001 : 2008 Certified

School of Research and Technology
(Faculty of Engineering)

Date: 08/09/2020

Notification

Value Added Course

(July-Dec 2020)

Dear Students,

This is to inform all that in the odd semester (July-Dec 2020), Value Added Course will be offered to students presently studying in V and VII Semester in the Institute.

Name of Course: Fundamentals of New Product Development (VAC-601)

Name of Resource Person: Dr. Piyush Kumar Soni, Professor and Head-ME, SORT

Name of Faculty Coordinators: Mrs. Raji N. Mishra

Dates: 21 - 23 January 2021

Registration Link/Form/Other:

Registration form

Name	
Branch	
Programme	
Semester	
Enrollment No.	

Last date of Registration: 20 January 2021

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Value Addition Course: Fundamentals of New Product Development

Introduction: This course is offered by SORT, for the students interested to acquire knowledge about fundamentals of New Product Development (NPD). NPD is essential for the survival of many companies. Since most companies develop new products, it is important for the Mechanical Engineers to be familiar and understand the basic concepts and terminology of NPD projects. This course gives them holistic view of the new product development arena and helps them gaining specific knowledge in how to select, plan, monitor and control a new product development project, using the proper tools and techniques.

Course Outcomes: At the end of the course, students will be able:

[1] to understand the New Product Development (NPD) arena

[2] to select the right product configuration based on value, cost, time to market and risks.

[3] to develop and execute a feasible plan.

Course Content / Syllabus:

Module	Content	Total Hours
1	Introduction, an overview of the course, Critical success factors in new product development projects	4 hours
2	Mapping the new product development process, The S curve - the best timing for the introduction of new products	2 hours
3	What to develop: from voice of the customer to product specifications, value and benefit	2 hours
4	Testing of new product development ideas	2 hours
5	Project planning – introduction, scope, management, scheduling, resource management, cost management, risk management	4 hours
6	Project monitoring and control	2 hours

Mode of Assessment: Quiz/Test

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Report of Value Addition Course

Date: 21/01/2021 to 23/01/2021

Title of Event: Fundamentals of New Product Development

Venue: M.V. Seminar Hall, SORT, People's University

Name of Resource Person/Speaker: Dr. Piyush Kumar Soni, Professor and Head-ME, SORT

Name Coordinator: Mrs. Raji N. Mishra

Collaborator/Sponsor: Nil

No. of Participants: *27 Students*

Brief about the event

The students attended the sessions with two-way interactions. The course got started with lecture delivery on generating and screening ideas followed by discussions on concepts of developing new products. The students were taught in detail about planning and testing their plans to check the feasibility and effective commercializing the new products. The course ended with feedback of the participants shared by them from the dais about their total learning and level of satisfaction with the course.

Outcome/Impact of event/activity in brief:

Students were benefited with development of their knowledge about the New Product Development. They learnt planning, methodology, and identification of approaches to develop and test the new products followed by commercializing into the market. This course will help the students in observing the NPD practices in the industry better while undergoing an industrial training that will give more confidence to them in future job interviews and startups.

Supporting Documents:

- No. of Participants Attended: 27
- No. of Participants Completed: 27
- Copy of Certificate
- Photographs
- Brochure

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School of Research and Technology
(Faculty of Engineering)

Date: 18/12/2020

Notification

Value Added Course

(Jan-Jun 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-Jun 2021) Value Added Course will be offered to students presently studying in VI/VIII Semester by the Institute.

Name of Course: Industry 4.0

Name of Resource Person: Rajesh Kumar Soni

Name of Faculty Coordinator: Rajesh Kumar Soni

Dates: 08/2/2021 to 24/2/2021

Registration Link/Form/Other:

Registration form

Name	
Branch	
Program	
Semester	
Enrollment No.	

Last date of Registration: 05 February 2021

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School of Research and Technology
(Faculty of Engineering)

Value Addition Course: Industry 4.0

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about Industry 4.0. It provides fundamental Concepts, the necessary knowledge and the basic skills related to smart manufacturing system.

Course Outcomes: At the end of the course, students will be able to,

[1]. Learn the outline of various systems used in a manufacturing plant and their role in an Industry 4.0 world.

[2]. It's a fusion of advances in artificial intelligence (AI), robotics, the Internet of Things (IoT), 3D printing, genetic engineering, quantum computing, and other technologies.

[3]. Appreciate the smartness in Smart Factories, Smart cities, smart products and smart services.

Course Content / Syllabus:

S. No	Content	Total Hours
1	**Introduction to Industry 4.0:** Introduction, Core idea of Industry 4.0,Origin concept of industry 4.0,Industry 4.0 production system, current state of industry 4.0, Technologies, How is India preparing for Industry 4.0.	6
2	**A Conceptual Framework for Industry 4.0:** Introduction, Main Concepts and Components of Industry 4.0, State of Art, Supportive Technologies, Proposed Framework for Industry 4.0.	6
3	**Technology Roadmap for Industry 4.0:** Introduction, Proposed Framework for Technology Roadmap, Strategy Phase, Strategy Phase, New Product and Process Development Phase, The Role of Augmented Reality (AR) in the Age of Industry 4.0, Industrial Applications of AR.	6

Mode of Assessment: Quiz/Test

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School of Research and Technology
(Faculty of Engineering)

Report of Value Addition Course

Date (From - To): 08/2/2021 to 24/2/2021

Title of Event: Industry 4.0

Venue: Mechanical Workshop, SORT, People's University

Name(s) of Chief Guest/ Other Guests / Resource Person/ Speaker(s): (If any)

Name Coordinator(s): *Rajesh Kumar Soni*

Collaborator/Sponsor (if any):

No. of Participants (Faculty member and Student separately):27

Brief about the event (Minimum 50 words)

Students was excited to enhance their knowledge about the Industry 4.0 as we know that it is the digital transformation of manufacturing/production and related industries and value creation processes. Industry 4.0 is used interchangeably with the fourth industrial revolution

Outcome/Impact of event/activity in brief: -

Students got the knowledge about digital transformation using an integrated approach, applying AI, hybrid cloud and automation to achieve new levels of agility, efficiency, quality and sustainability.

Supporting Documents:

- No. of Participants Attended: 27 (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: 27 (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

NOTE-:

- This format is used for creating Supporting Documents for Data, Filled in Data Template (1.3.2 & 1.3.3).
- This is the Sample Document. This Format only for reference you can change accordingly.

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School of Research and Technology
(Faculty of Engineering)

Date: 18/12/2020

Notification

Value Added Course

(July-Dec 2020)

Dear Students,

This is to inform you all that in upcoming odd semester (July-Dec 2020) Value Added Course will be offered to students presently studying in III and V semester by the Institute.

Name of Course: Theory of Non Destructive Testing

Name of Resource Person: Pawan Pal

Name of Faculty Coordinator: Pawan Pal

Dates: 15 January 2021 to 31 January 2021

Registration Link/Form/Other:

Registration form

Name	
Branch	
Program	
Semester	
Enrollment No.	
Contact Number	

Last date of Registration: 13 January 2021

HOI/Dean

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Theory of Non Destructive Testing

Introduction: This course is offered by SORT, targeting students who wish to gain experience with and understanding of the types, advantages and applications of various NDT methods. After completing the course successfully the student would be able to choose the best NDT method for a given part.

Course Outcomes: At the end of the course, students will be able to,

[1]. Learn the basics and necessity of NDT in engineering.

[2]. The different methods of performing NDT.

[3]. Students would be able to perform NDTs as per the requirement and can select a material for any particular task.

Course Content / Syllabus:

S. No	Content	Total Hours
1	**Introduction to NDT**: Visual Optical methods, Dye penetrate testing, Basic principle, Types of dye and methods of application, Developer application and Inspection.	6
2	**Ultrasonic testing:** Basics of ultrasonic waves, Pulse and beam shapes, Ultrasonic transducers. Test method, Distance and Area calibration, Weld Inspection by UT. Radiography: X-rays and their properties, X-ray generation, X-ray absorption and atomic scattering	6
3	**Image formation**, Image quality, Digital Radiography, Image interpretation, Radiation Shielding. Comparison and selection of NDT methods, Concluding remarks.	6

Mode of Assessment: Quiz/Test

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School of Research and Technology
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Report of Value Addition Course

Date (From - To): 15/01/2021 to 31/01/2021

Title of Event: Theory of Non Destructive Testing

Venue: Mechanical Workshop and Mechanical Seminar Hall, SORT, People's University.

Name(s) of Chief Guest/ Other Guests / Resource Person/ Speaker(s): (If any)

Name Coordinator(s): *Pawan Pal*

Collaborator/Sponsor (if any):

No. of Participants (Faculty member and Student separately):24

Brief about the event (Minimum 50 words)

The seminar on Theory of Non destructive Testing was organized for students of Mechanical and Civil branch. Students showed great response towards learning of different testing methods and their application in industries. This knowledge would be a USP for students while applying for a quality assurance engineer.

Outcome/Impact of event/activity in brief: -

Students got the knowledge of necessity of testing of materials. The design of the course was highlighting on the various methods of testing materials and therefore selection of material for a particular task.

Supporting Documents:

- No. of Participants Attended: 24 (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: 24 (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Notification

Date: 12.05.21

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June 2021) Value Added Course will be offered to students presently studying in 6th Semester by the Institute.

Name of Course: PCB Designing

Name of Resource Person: Mr. Murli Manohar

Name of Faculty Coordinator: Mr. Ritesh Chhapre

Dates: 25 May 2021 -02 June 2021

Registration Link/Form/Other:

Last date of Registration: 23 May 2021

HOI/Dean

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Value Added Course: PCB Designing

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about basics in PCB designing. It provides helps in connecting the electronics components with pads, tracks and lines incorporated on a laminated copper sheet.

Course Outcomes: At the end of the course,

1. Understand basics of PCB designing.
2. Apply advance techniques, skills and modern tools for designing and fabrication of PCBs.
3. Apply the knowledge and techniques to fabricate Multilayer, SMT and HDI PCB.
4. Understand concepts of Packaging.

Course Content / Syllabus:

Introduction to Printed circuit board: fundamental of electronic components, basic electronic circuits, Basics of printed circuit board designing: Layout planning, general rules and parameters, ground conductor considerations, thermal issues, check and inspection of artwork.

Design rules for PCB: Design rules for Digital circuit PCBs, Analog circuit PCBs, high frequency and fast pulse applications, Power electronic applications, Microwave applications,

Introduction to Electronic design automation(EDA) tools for PCB designing: Brief Introduction of various simulators, SPICE and PSPICE Environment, Selecting the Components Footprints as per design, Making New Footprints, Assigning Footprint to components, Net listing, PCB Layout Designing, Auto routing and manual routing, Assigning specific text (silkscreen) to design, Creating report of design, creating manufacturing data (GERBER) for design.

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School of Research and Technology
(Faculty of Engineering)

Report of Value Addition Course

Date(From - To): **25 May 2021 -02 June 2021**

Title of Event: PCB designing

Venue: EE department SORT

Name(s) of Resource Person: **Mr. Murli Manohar**

Name Coordinator(s): **Mr. Ritesh Chhapre**

Collaborator/Sponsor (if any): Nil

No. of Participants (Faculty member and Student separately):20 students

Brief about the event (Minimum 50 words)

A **printed circuit board** (**PCB**) is a laminated sandwich structure of conductive and insulating layers. PCBs have two complementary functions. The first is to affix electronic_components in designated locations on the outer layers by means of soldering. The second is to provide reliable electrical connections (and also reliable open circuits) between the component's terminals in a controlled manner often referred to as PCB design. Each of the conductive layers is designed with an artwork pattern of conductors (similar to wires on a flat surface) that provides electrical connections on that conductive layer. Another manufacturing process adds vias, plated-through holes that allow interconnections between layers.

Outcome/Impact of event/activity in brief: -

[1].Upon completion of the PCB design course, the students should be able to carry out any PCB design

[2].Students will also be able to create schematics from blue-prints, they will also be able to perform simple simulations.

[3].Recognize the technologies used in electronic industry through the practical experience gained in the course

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Supporting Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
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- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Notification

Date: 08.01.21

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June 2021) Value Added Course will be offered to students presently studying in 7th Semester by the Institute.

Name of Course: MATLAB

Name of Resource Person: Mr. Abhishek Tiwari

Name of Faculty Coordinator: Mr. Sarvesh Pratap Singh

Dates: 18 Jan 2021 - 28 Jan 2021

Registration Link/Form/Other:

Last date of Registration: 15 Jan 2021

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HOI / Dean

Value Added Course: MATLAB

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about basics in MATLAB. It provides fundamental concepts, the necessary knowledge and the basic skills related to model designing and its calculation.

Course Outcomes: At the end of the course,

- Able to use MATLAB for interactive computations.
- Familiar with memory and file management in MATLAB.
- Able to generate plots and export this for use in reports and presentations.
- Able to program scripts and functions using the MATLAB development environment.

Course Content / Syllabus:

- Building matrices
- Addressing and assigning elements
- Building special matrices
- Matrix operations
- Equation solving
- User defined functions
- Plotting
- Utility Commands
- Relational operators and logical operators
- Control flow (for loops, while loops, if-else-end, switch-case-otherwise-end)
- Precision issues and additional data types (strings, cell arrays, structures)
- Formatted Input/Output

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Report of Value Addition Course: MATLAB

Date(From - To): **18 Jan 2021 - 28 Jan 2021**

Title of Event: **MATLAB**

Venue: EE Department SORT

***Name(s) of Resource Person*: Abhishek Tiwari**

***Name Coordinator(s):* Mr. Sarvesh Pratap Singh**

Collaborator/Sponsor (if any): Nil

No. of Participants (Faculty member and Student separately):15 students

Brief about the event (Minimum 50 words)

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. Typical uses include:

MATLAB is an interactive system whose basic data element is an array that does not require dimensioning. This allows you to solve many technical computing problems, especially those with matrix and vector formulations, in a fraction of the time it would take to write a program in a scalar non interactive language such as C or Fortran.

Outcome/Impact of event/activity in brief: -

[1]. Students will Able to use Mat lab for interactive computations

[2]. Students will create a Familiar with memory and file management in Mat lab.

[3]. Students will demonstrate skill in industrial automation.

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Supporting Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
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- Brochure (If any)

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Notification

Date : 03.05.21

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June 2021) Value Added Course will be offered to students presently studying in 8th Semester by the Institute.

Name of Course: PLC SCADA

Name of Resource Person: Mr. Ravindra Sharma

Name of Faculty Coordinator: Mr. Manish Kethoriya

Dates: 20 May 2021 -10 June 2021

Registration Link/Form/Other:

Last date of Regis..ation: 18 May 2021

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Value Added Course: PLC SCADA

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about basics in PLC SCADA. It provides fundamental concepts, the necessary knowledge and the basic skills related to Power Flow Analysis.

Course Outcomes: At the end of the course,

[1]. Students will develop the ability to understand power flow analysis.

[2]. Students will execute load flow analyses with models of power system.

[3]. Students will demonstrate skill in industrial automation.

Course Content / Syllabus:

- Load /and /or/out / and Read / Write
- Compare / Add / Sub /And /Or – Blocks
- Edge / trailing edge instructions
- MOVE block application, Timer and Counter Blocks programming
- Advanced instructions,
- File handling and Comment functions
- Master control /set /reset function
- SCADA system application(Oil GAS / factory /Metro/ Solar Power Plant /Steel Plant)
- Calculation SCADA tag.
- Selection of Software basis of SCADA Tag.
- Creating Database of Tags

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Report of Value Addition Course

Date(From - To):20/05/2021-10/06/2021

Title of Event: PLC SCADA

Venue: EE department SORT

Name(s) of Resource Person: **Mr. Ravindra Sharma**

Name Coordinator(s):Mr. Manish Kethoriya

Collaborator/Sponsor (if any): Nil

No. of Participants (Faculty member and Student separately): ***39 students***

Brief about the event (Minimum 50 words)

The first programmable logic controller (PLC) project was created in 1968, by Bedford Associates, MA, USA, who had initiated the development of an electronic device called the "Modular Digital Controller" for controlling the operations in an automobile assembly line in General Motors (GM). This development proved to be successful and dramatically replaced the hard-wired electrical relay systems with an electronic controller. This controller has made a significant contribution to the automation of factory assembly lines. Most of the relays and timers were built into a single controller. As of today, the programmable logic controllers deliver a wide range of functionality, including basic relay control, motion control, process control, and complex networking. They are also used in distributed control systems (DCSs).

Outcome/Impact of event/activity in brief: -

[1]. Students will develop the generic architecture and constituent components of a Programmable Logic Controller.

[2]. Students will create a software program using modern engineering tools and technique for PLC and SCADA.

[3]. Students will demonstrate skill in industrial automation.

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Supporting Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
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- Letter of Coliaboration/ sponsorship. (If any)
- Brochure (If any)

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Date: 21 /05/2021

Notification

Value Added Course (Jan-June2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June) Value Added Course will be offered to students presently studying in VI Semester by the Institute.

Name of Course: Python For Beginner

Name of Resource Person: Mr. Aseem Bhandari Abhandari

Name of Faculty Coordinator: Mr. Pankaj Savita

Dates: 26/05/2021 to 03/06/2021

Registration Link/Form/Other: .

Last date of Registration:24 /05/2021

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Value Addition Course: Python for Beginner

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about python basics. It provides fundamental Concepts, the necessary knowledge and the basic skills related to the python language.

Course Outcomes: At the end of the course, students will be able to,

[1]. Students will acquire programming skills in core Python.

[2]. Students will be able to develop their skills of designing GUI.

[3]. Students will be able to work with CGI Script.

Course Content / Syllabus:

An Introduction to Python : A Brief History of Python, Python Versions, Installing Python, Environment Variables, Executing Python from the Command Line, IDLE, Editing Python Files, Python Documentation.

Python Collections : Functions, Modules: Lists, Tuples, Sets, Dictionaries, Sorting Dictionaries, Copying Collections. Defining Your Own Functions, Parameters, Function Documentation, Keyword and Optional Parameters, Passing Collections to a Function.

Exceptions, I/O, Classes in Python Regular Expressions: Errors, Runtime Errors, The Exception Model, Exception Hierarchy, Handling Multiple Exceptions, raise & assert. Data Streams, Creating Your Own Data Streams ,Access Modes, Writing Data to a File, Reading Data From a File, Additional File Methods, Using Pipes as Data Streams, Handling IO Exceptions ,Working Directories; The pickle Module. Classes in Python, Principles of Object Orientation, File organization. List Comprehensions, Nested.

Writing GUIs in Python: List Comprehensions, Dictionary Comprehensions, Dictionaries with Compound Values, Processing Lists in Parallel, Specialized Sorts, Time Functionality, Generators.

Mode of Assessment: Quiz

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Report of Value Addition Course

Date(From - To): 26/05/2021 To 03/06/2021

Title of Event: Python for Beginner

Venue: CSE Department Lab

Name of Resource Person: Mr. Aseem Bhandari

Name Coordinator(s): Mr. Pankaj Savita

***Collaborator/Sponsor (if any):*NA**

No. of Participants (Faculty member and Student separately): 18

Brief about the event (Minimum 50 words)

The value addition course "Python for Beginner" was 16 hours course offered to the students. In this course students were given training on python language. Hands on training were given to the students. All the participants actively participated in the course and gained basic knowledge about the python language.

Outcome/Impact of event/activity in brief: -

This certification course was a success as all the students actively participated in the course. They all gained the basic knowledge of python language. At the end of the course, all were able to write the basic programs in the python language.

Supporting Documents:

- No. of Participants Attended: 18 (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: 18 (Attach Result Sheet)
- Copy of Certificate
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- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Date: 28/12/2020

Notification

Value Added Course (2020-2021)

Dear Students,

This is to inform you all that in upcoming even semester (2020-2021) Value Added Course will be offered to students presently studying in 7th Semester B.Tech Course by the Institute.

Name of Course: Troubleshooting on hardware and networking problems

Name of Resource Person: Mr. Rajesh Kourav

Name of Faculty Coordinator: Ms. Ankita Awasthi

Dates: 4 Jan 2021 -12 Jan 2021

Registration Link/Form/Other:

Last date of Registration: 2 Jan 2021

HOI/Dean

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Value Addition Course: Troubleshooting on hardware and networking problems.

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about **Troubleshooting on hardware and networking problems**. It provides fundamental concepts, the necessary knowledge and the basic skills related to Troubleshooting on hardware and networking problems.

Course Outcomes: At the end of the course, students will be able to

[1]. Student will be able to understand the operations of basic PC hardware.

[2]. Student will be able to understand the operations of basic trouble shooting in hardware in practical.

[3]. Student will be able to implement the basic networking concepts with modern networking techniques.

[4]. Student will be able to understand basic of network troubleshooting.

[5]. Student will be able to understand network troubleshooting tools and their functions.

Course Content / Syllabus:

- Hardware Basics-: Introduction to computer hardware, components of mother boards & its types, Primary & secondary storage medium. Input devices-keyboard, mouse, how input is taken in & given out, gaming device ,Output devices- monitors-different types of monitors, printers & its types, projectors.
- Hardware Trouble Shooting: Printers, Microphone.
- Hardware Trouble Shooting: Scanner, Network, Hardware failure, Testing, CMOS, Hard disk drive.
- Hardware Trouble Shooting: Monitor, Mother Board, Sound Card, Video Card.
- Basic networking - : Introduction to networks: Why networks? Basic network concepts, applications & uses of computer networks, different layers in networks, internet & web

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concepts, network security, Software & hardware issues in networking, reference models, OSI, TCP, IP, UDP. Transmission medium –wired communication, wireless communication, & satellite communication ,Modern Network Techniques, Internet Standardization.

- Network troubleshooting : Introduction, basic network troubleshooting- adapter resources, Verify connection, Internet Working, Adapter functionality, Advanced Network Troubleshooting tools, Some problem & solution – Network cable unplugged, IP Address conflict , No connectivity, Network failure.

Mode of Assessment: Quiz

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Report of Value Addition Course

Date: 4 Jan 2021 -12 Jan 2021

Title of Event: Troubleshooting on hardware and networking problems.

Venue: SORT Bhopal

Name of Resource Person : Mr. Rajesh Kourav

Name Coordinator(s):Ms. Ankita Awasthi

Collaborator/Sponsor (if any):Nil

No. of Participants (Student): 29

Brief about the event (Minimum 50 words)

Value Added Course had offered to students studying in 7th Semester in computer science & Engineering branch from 4 Jan 2021 to 12 Jan 2021 by the SORT Institute .Speaker was Mr. Rajesh Kourav. Students acquire knowledge about **Troubleshooting on hardware and networking problems**. It provides fundamental concepts, the necessary knowledge and the basic skills related to Troubleshooting on hardware and networking problems. This value added course was lucrative for students.

Outcome/Impact of event/activity in brief: -

- Student will be able to understand the operations of basic trouble shooting in hardware in practical.
- Student will be able to implement the basic networking concepts with modern networking techniques.
- Student will be able to understand network troubleshooting tools and their functions.

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- No. of Participants Attended: 29 (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: 29(Attach Result Sheet)
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Notification

Value Added Course (Jan-June 2021)

Date: 21/05/2021

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June 2021) Value Added Course will be offered to students presently studying in 8th Semester by the Institute.

Name of Course: Data Analytics Tool

Name of Resource Person: Mr. Aseem Bhandari Abhandari

Name of Faculty Coordinator: Ms. Sneha Deokate

Dates: 26 May 2021 -4 June 2021

Registration Link/Form/Other:

Last date of Registration: 24 May 2021

HOI/Dean

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Value Added Course: Data Analytics Tool

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about basics in Excel. It provides fundamental concepts, the necessary knowledge and the basic skills related to data analysis tool using excel.

Course Outcomes: At the end of the course,

[1]. Students will develop the ability to build and assess data-based models.

[2]. Students will execute statistical analyses with professional statistical software.

[3]. Students will demonstrate skill in data management.

Course Content / Syllabus:

- Reading data into Excel using various formats • Basic functions in Excel, arithmetic as well as various logical functions • Formatting rows and columns • Using formulas in Excel and their copy and paste using absolute and relative referencing.
- Spreadsheet Functions to Organize Data This module introduces various Excel functions to organize and query data. Learners are introduced to the IF, nested IF, VLOOKUP and the HLOOKUP functions of Excel.
- Introduction to Filtering, Pivot Tables, and Charts This module introduces various data filtering capabilities of Excel. You'll learn how to set filters in data to selectively access data. A very powerful data summarizing tool, the Pivot Table, is also explained and we begin to introduce the charting feature of Excel.
- Advanced Graphing and Charting This module explores various advanced graphing and charting techniques available in Excel. Starting with various line, bar and pie charts we introduce pivot charts, scatter plots and histograms. You will get to understand these various charts and get to build them on your own.

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Report of Value Addition Course

Date(From - To):26/05/2021-04/06/2021

Title of Event: Data Analytics Tool

Venue: CSE department SORT

***Name(s) of Resource Person*: Mr.Aseem Bhandari**

Name Coordinator(s):Ms.Sneha Deokate

Collaborator/Sponsor (if any):Nil

No. of Participants (Faculty member and Student separately):28 students

Brief about the event (Minimum 50 words)

Data Analysis with Excel is a comprehensive value added course that provides a good insight into the latest and advanced features available in Microsoft Excel. It explains in detail how to perform various data analysis functions using the features available in MS-Excel. Microsoft Excel provides several means and ways to analyze and interpret data. The data can be from various sources. The data can be converted and formatted in several ways. It can be analyzed with the relevant Excel commands, functions and tools - encompassing Conditional Formatting, Ranges, Tables, Text functions, Date functions, Time functions, Financial functions, Subtotals, Quick Analysis, Formula Auditing, Inquire Tool, What-if Analysis, Solvers, Data Model, PowerPivot, PowerView, PowerMap, etc.

Outcome/Impact of event/activity in brief: -

[1]. Students will develop the ability to build and assess data-based models.

[2]. Students will execute statistical analyses with professional statistical software.

[3]. Students will demonstrate skill in data management.

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Supporting Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Date: 19/04/21

Notification

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming odd semester (Jan-June) Value Added Course will be offered to students presently studying in VI Semester by the Institute.

Name of Course: ***Electronics Component Testing***

Name of Resource Person: ***Mr. Manish Sahu***

Name of Faculty Coordinator: Mr.Manoj Singh Tomar

Dates: 07 May-13 May-2021

Registration Link/Form/Other:

Last date of Registration: 01 May-2021

HOI/Dean

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Value Addition Course: Electronics Component Testing

Introduction: Today's electronic devices are made up of a wide variety of components. Some, like resistors and capacitors, are simple and passive, while others, such as advanced central processing unit (CPU) chips, are extremely complex and can contain over 20 billion transistors. In this lab, we introduce some simple components and some equipment that can be used to generate and characterize electronic signals in the forms of voltages and currents.

We will use digital and analog multimeter to check the following electrical and electronic components, devices, tools and instruments:

- Cable and Wires
- Switch/Push Buttons
- Fuse
- Capacitors & Inductors
- Resistors & Burnt resistors
- Diodes and LED
- Battery
- Transistors
- Relays

Course Outcomes: At the end of the course, students will be able to,

[1].Identify various electronic components.

[2]. Know and differentiate various properties of electronic components.

[3].Demonstrate an appropriate application of electronic components.

Course Content / Syllabus:

To introduce resistors, capacitors and inductors as examples of passive components. To introduce diodes and transistors as simple semiconductor components and an operational amplifier (op-amp) as an example of an integrated circuit (IC).

Reference Books

1. "Electronic Devices and Circuits" by J.B. Gupta

2. "Basic Electronics" by BL Theraja.

3. "Consumer Electronics"" by Bali.

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Report of Value Addition Course

Date : **07 May-13 May-2021**

Title of Event: ***Electronics Component Testing***

Venue: Electronics & communication Department, SORT, Peoples University.

Name(s) of Chief Guest/ Other Guests / Resource Person/ Speaker(s): Mr. Manish Sahu

Name Coordinator: **Prof. Manoj Singh Tomar**

Collaborator/Sponsor (if any):

No. of Participants (Faculty member and Student separately): 12

Brief about the event

Different electronics industry standards and safety regulations dictate specific test requirements and performance standards components should meet. In addition, certain standards and industries (e.g., IPC Class 3 products, medical devices, military, and aerospace) have much higher reliability requirements than are enforced on typical PCBs, and there are specific tests that need to be performed during PCB.

Outcome/Impact of event/activity in brief: -

[1].Identify various electronics components.

[2].Know and differentiate various properties of electronic components.

[3].Demonstrate an appropriate application of electronic components.

Supporting Documents:

- No. of Participants Attended: (Attached Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: (Attached Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Mode of Assessment: Quiz/Test/Other

1. Choose the Passive Component.

A. Transistor

B. Resistor

C. Diode

D. Integrated circuit (IC)

2. Units of Capacitor.

A. Farad

B. Ohms

C. Hertz

D. Henry

3. Zener diode is used for?

A. Filter circuit

B. Rectifier circuit

C. Regulator circuit

D. Impedance circuit

4. LDR (Light Dependent Resistor – Photocell) does varies resistance when sense

A. Light

B. Magnet flux

C. Heat

D. Tilt

5. When two batteries (1.5V) connected in series, What we will get?

A. 0.5V

B. 2.5V

C. 0 V

D. 3V

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6. Which one is related to the transistor term?

A. NPN

B. PNP

C. GDS

D. Both A & B.

7. LED has two terminals they are.

A. Collector, Emitter.

B. Anode, Cathode.

C. Drain, Gate.

D. Cathode, Base.

8. By connecting the Resistors in ————- Form we can Increase the value of resistance.

A. Series

B. Parallel

C. Antiparallel

D. connecting to Ground

9. A normal battery has two terminals they are

A. 0 , +Ve

B. -Ve, +Ve

C. -Ve, 0

D. GND, -Ve

10. Terminals of Zener diode are

A. Anode, Cathode

B. Input, Output

C. No Polarities

D. Unregulated i/p, Regulated o/p

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Date: 14/12/2020

Notification

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming odd semester (Jan-June) Value Added Course will be offered to students presently studying in VII Semester by the Institute.

Name of Course: ***PCB Designing***

Name of Resource Person: ***Mr. Hitesh Chandak***

Name of Faculty Coordinator: Ms.Deepti Agrawal

Dates: 11 Jan-16 Jan-2021

Registration Link/Form/Other:

Last date of Registration: 08 Jan-2021

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Value Addition Course: PCB Designing

Introduction: Printed circuit board, PCB design, is one of the most important design elements within the design of an electronics product. In most instances an electronics hardware design engineer will design the circuit, and then a PCB layout specialist will undertake the PCB layout and design from a schematic provided using a PCB CAD system.The PCB layout and design is a specialist skill requiring knowledge of not only of the PCB design software and PCB CAD system, but also a variety of standards and techniques used to ensure that the basic circuit design is successfully transferred to an overall printed circuit board that can be manufactured in an electronics circuit manufacturing environment.

In order that the PCB design guidelines can be followed more easily, the guidelines are split into sections:

- Board constraint design guidelines - those covering the initial constraints on the board
- Overall layout design guidelines
- Guidelines associated with the planes or layers
- Track design guidelines
- Thermal issues
- Signal integrity and RF considerations

Course Outcomes: At the end of the course, students will be able to,

[1].How to design a printed circuit board.

[2]. Know the way in which a circuit works on PCB.

[3].Demonstrate an appropriate application of electronic components on PCB.

Course Content / Syllabus:

- To introduce Understand schematic, Design rule checking, Creating new PCB, Track width selection, Browsing footprints libraries, Component selection, Setting up the PCB layers, Routing and completion of design.

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Reference Books

1. "Make Your Own PCBs with EAGLE: From Schematic Designs to Finished Boards (Electronics)" by Simon Monk.

2. "Printed Circuit Boards : Design & Technology " by Bosshart.

3. "Consumer Electronics"" by Bali.

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Report of Value Addition Course

Date : **11 Jan-16 Jan-2021**

Title of Event: PCB Designing

Venue: Electronics & communication Department, SORT, Peoples University.

Name(s) of Chief Guest/ Other Guests / Resource Person/ Speaker(s): Mr. Hitesh Chandak

***Name Coordinator:* Ms.Deepti Agrawal**

Collaborator/Sponsor (if any):

No. of Participants (Faculty member and Student separately): 12

Brief about the event

PCB is an acronym for *printed circuit board.* It is a board that has lines and pads that connect various points together. In the picture above, there are traces that electrically connect the various connectors and components to each other. A PCB allows signals and power to be routed between physical devices. Solder is the metal that makes the electrical connections between the surface of the PCB and the electronic components.

Outcome/Impact of event/activity in brief: -

[1].How to design a printed circuit board.

[2]. Know the way in which a circuit works on PCB.

[3].Demonstrate an appropriate application of electronic components on PCB.

Supporting Documents:

- No. of Participants Attended: (Attached Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: (Attached Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Mode of Assessment: Quiz/Test/Other

1. High current circuits are purposely located or placed near the edge of PCB in accordance to the supply lines for _____

A. Removal of heat

B. Isolation of stray current

C. Reduction of path length

D. None of the above

2. What is the first step in PCB design

A. Specification

B. Schematic

C. Manufacturing file

D. Simulation

3. What is the first thing to consider when placing components?

A. Size restrictions

B. Heat/Thermal

C. Top or bottom side

D. Track width

4. Select two advantages of a well designed PCB

A. Small and compact

B. Reliable

C. Rigid

D. Easy to manufacture

5. When two batteries (1.5V) connected in series, What we will get?

A. 0.5V

B. 2.5V

C. 0 V

D. 3V

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6. PCB stands for?

A. Printing Circuit Board

B. Printout Circuit Board

C. Printed Circuit Board

D. None of these above

7. The unit of electrical charge is

A. Coulomb

B. Newton

C. Ampere

D. Volt

8. By connecting the Resistors in ———— Form we can Increase the value of resistance.

A. Series

B. Parallel

C. Antiparallel

D. connecting to Ground

9. A normal battery has two terminals they are

A. 0 , +Ve

B. -Ve, +Ve

C. -Ve, 0

D. GND, -Ve

10. Material which have a large number of free electrons are called as:

A. Inductors

B. Insulators

C. Semiconductor

D. Conductors

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Date: 19/04/21

Notification

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming odd semester (Jan-June) Value Added Course will be offered to students presently studying in VIII Semester by the Institute.

Name of Course: ***Applications of Microprocessor***

Name of Resource Person: ***Ms. Deepti Agrawal***

Name of Faculty Coordinator: Mr.Manoj Singh Tomar

Dates: 17 May-22 May -2021

Registration Link/Form/Other:

Last date of Registration: 08 May-2021

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Value Addition Course: *Applications of Microprocessor*

Introduction: This course deals with the systematic study of the Architecture and programming issues of 8 bit 8085-microprocessor and interfacing with other peripheral ICs and co-processor. In addition, a 16-bit microprocessors and other chips (8255, 8251, 8253 and 8257) are introduced. The aim of this course is to give the students basic knowledge of the microprocessors (8085 and 8086) needed to develop the systems using it.

We will use microprocessor kits to check the following architecture & programmes :

- Understand the basic architecture of 8085 and 8086.
- Impart the knowledge about the instruction set.
- Understand the basic idea about the data transfer schemes and its applications
- Develop skill in simple program writing for INTEL 8085 and INTEL 8086.

Course Outcomes: At the end of the course, students will be able to,

[1].Understand the architecture of 8085 and 8086.

[2]. Impart the knowledge about the instruction set

[3].Develop skill in simple program writing for 8085 & 8086 and applications.

Course Content / Syllabus:

Instructions Set of 8085 & 8086, stack, subroutine, assembly language, Simple Programming: 8 bit Addition and Subtraction, 16 bit Addition, Delay Subroutine using Registers, Finding lowest and Highest no. in a data array

Reference Books

1. "Fundamentals of Microprocessors and microcontrollers" by B. Ram.

2. "Microprocessor & Interfacing" by D.V hall.

3. "Consumer Electronics" by R.S Gaonkar.

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Report of Value Addition Course

Date : **17 May-22 May -2021**

Title of Event*: *Applications of Microprocessor

Venue: Electronics & communication Department, SORT, Peoples University.

Name(s) of Chief Guest/ Other Guests / Resource Person/ Speaker(s): Ms.Deepti Agrawal

Name Coordinator: **Prof. Manoj Singh Tomar**

Collaborator/Sponsor (if any):

No. of Participants (Faculty member and Student separately): 12

Brief about the event

Computers and microprocessor based systems are a important part of the modern world. Aside from just the common desktop PC, there are a number of other types of specialized computer systems that pop up in many different places. The central component of these computers and computer systems is the microprocessor, or the CPU. The CPU is essentially the brains behind the computer system which is acutely involved in all the computations. This event is going to discuss what microprocessor units do, how they do it, and how they are designed.

Outcome/Impact of event/activity in brief: -

[1].Understand the architecture of 8085 and 8086.

[2]. Impart the knowledge about the instruction set.

[3].Develop skill in simple program writing for 8085 & 8086 and applications.

Supporting Documents:

- No. of Participants Attended: (Attached Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: (Attached Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Mode of Assessment: Quiz/Test/Other

1. Which of the following is correct about 8086 microprocessor?

A. Intel's first x86 processor

B. Motorola's first x86 processor

C. STMICROELECTRONICS's first x86 processor

D. NanoXplore x86 processor

2. Which of the following is a type of microprocessor?

A. CISC

B. RISC

C. EPIC

D. All of the mentioned

3. The microprocessor of a computer can operate on any information if it is present in _____ only.

A. Program Counter

B. Flag

C. Main Memory

D. Secondary Memory

4. Which of the following technology was used by Intel to design its first 8-bit microprocessor?

A. NMOS

B. HMOS

C. PMOS

D. TTL

5. Which of the following addressing method does the instruction, MOV AX,[BX] represent?

A. register indirect addressing mode

B. direct addressing mode

C. register addressing mode

D. register relative addressing mode

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6. What is the word length of an 8-bit microprocessor?

A. 8-bits – 64 bits

B. 4-bits – 32 bits

C. 8-bits – 16 bits

D. 8-bits – 32 bits

7. In 8-bit microprocessor, how many Opcodes are present?

A. 246

B. 278

C. 250

D. 256

8. Which of the following is not true about the address bus?

A. It consists of control PIN 21 to 28

B. It is a bidirectional bus

C. It is 16 bits in length

D. Lower address bus lines ($AD_0 - AD_7$) are called "Line number"

9. Which of the following is true about microprocessors?

A. It has an internal memory

B. It has interfacing circuits

C. It contains ALU, CU, and registers

D. It uses Harvard architecture

10. Which of the following is the correct sequence of operations in a microprocessor?

A. Opcode fetch, memory read, memory write, I/O read, I/O write

B. Opcode fetch, memory write, memory read, I/O read, I/O write

C. I/O read, opcode fetch, memory read, memory write, I/O write

D. I/O read, opcode fetch, memory write, memory read, I/O write

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Date: 12/05/2021

Notification

Value Added Course (Jan-June2021)

Dear Students,

This is to inform you all that in upcoming even or odd semester (Jan-June/July-Dec) Value Added Course will be offered to students presently studying in VI Semester by the Institute.

Name of Course: Role of quality control in construction

Name of Resource Person: Mr. Rakesh Sakale and Mr. Satish Kumar Kushwah

Name of Faculty Coordinator: Mr. Abhishek Kirar

Dates: 03 May-10 May 2021

Registration Link/Form/Other:

Last date of Registration: 28 April 2021

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Value Addition Course: Role of quality control in construction

Introduction: Quality control in construction typically involves insuring compliance with minimum standards of material and workmanship in order to insure the performance of the facility according to the design. In today's construction market, effective quality control programs are necessary to help provide the required quality of construction at the best price. The purpose of this course is to educate students in the various methods of construction quality control. From the inclusion and approval process of quality control measures in design to the materials and methods in construction, quality control measures are a very important part of the approval and construction process.

Course Outcomes: At the end of the course, students will be able to,

[1].Explain Total Quality Management.

[2].Describe various quality checks.

[3].Explain Quality Control aspects of various construction activities.

[4].Use various quality standard codes from its application point of views.

Course Content / Syllabus:

Concept of quality control, Quality assurance, Quality management. Quality standards in construction related to Building materials and other inputs for construction processes. Quality standards for Construction outputs, products and services.Indian Standard Code & Methods of referring it, Use of IS for quality references. Accuracy and precision in observation, reading theodolite, digital theodolite, total station, calibration etc. Accuracy and precision in observation, reading theodolite, digital theodolite, total station, calibration etc.

Reference Books

1.Total Quality Management by G.Kanji Springer Science & Business Media

2.Fundamentals of Quality Control and Improvement by Amitva Mitra Wiley India Private Limited

3.Manual on Quality Control Gujarat Engineering Research Institute

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Report of Value Addition Course

Date(From - To): *03/05/2021 to 10/05/2021*

Title of Event: Role of quality control in construction

Venue: SORT

***Name(s) of Chief Guest/ Other Guests / Resource Person/ Speaker(s)*: Mr. Rakesh Sakale and Mr. Satish Kumar Kushwah**

Name Coordinator(s): Mr.Abhishek Kirar

Collaborator/Sponsor (if any): No

No. of Participants (Faculty member and Student separately): 50

Brief about the event (Minimum 50 words)

This event was organized for the students of B.Tech civil. The event proceeded with the introduction and importance of quality control in the construction. The students were explained in detail about the error during the calibration of the instruments used in the civil and different material properties.

Outcome/Impact of event/activity in brief: -

The students were able to gain knowledge about various quality errors that happens on the field and how to minimize it. The use of day to day instruments used in the field of civil engineering with precision and accuracy.

Supporting Documents:

- No. of Participants Attended: 50 (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: 40 (Attach Result Sheet)
- Copy of Certificate: Yes
- Photograph / Video Recording.
- Press Release. (No)
- Fund utilization in case of external sponsorship. (No)
- Letter of Collaboration/ sponsorship. (No)
- Brochure (No)

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Mode of Assessment: Quiz/Test/Other

1.Concepts of Quality Control depends on

A. Quality Control

B. Quality Assurance

C. Quality Management

D. All the above

2._____ **denotes the closeness of a measurement to its true value.**

A. Accuracy

B. Precision

C. Calibration

D. Least count

3._____**of a measurement denotes its closeness to another measurement of the same quality.**

A. Accuracy

B. Precision

C. Calibration

D. Least count

4.The process of comparing any dimension with its true value is known as_____

A. Accuracy

B. Precision

C. Calibration

D. Least count

5. Which of the following activities are not included in quality assurance?

A. Reliability

B. Ductility

C. Durability

D. Safety

6. What is the initial setting time & final setting time of cement?

A. 30 minutes & 600 minutes

B. 45 minutes & 600 minutes

C. 30 minutes & 450 minutes

D. 60 minutes & 300 minutes

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7. **Which of the following cement does not have field test?**

A. There should not be any visible lumps

B. The colour of the cement should be greenish grey

C. Final setting time of cement is 600 minutes

D. When hand is inserted in cement bag it should give cool feeling.

8. **Which of following does not represented quality?**

A. Strength

B. Durability

C. Test results

D. All of the above

9. **When structure have a good quality it is ___**

A. Architecture planning proper

B. Adequate testing

C. Workmanship should excellent

D. All of the above

10. **In which of the following includes are in civil engineering works for quality control.**

A. Testing of materials

B. Inspection of finished work

C. Evaluation of construction method

D. All of the above

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School of Research and Technology
(Faculty of Engineering)

Date: 18/01/2021

Notification

Value Added Course (July-Jan 2021)

Dear Students,

This is to inform you all that in upcoming odd semester (July-Jan) Value Added Course will be offered to students presently studying in VI Semester by the Institute.

Name of Course: Advanced Construction Materials

Name of Resource Person: Mr. Hirendra Pratap Singh

Name of Faculty Coordinator: Pankaj kumar Lodhi

Dates: 11 Jan-16 Jan-2021

Registration Link/Form/Other:

Last date of Registration: 08 Jan-2021

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Value Addition Course: Advanced Construction Materials

Introduction: With the rapid growth of technology, it has been found that measures have been applied at its best to rebuild or recompose the materials such that it can be more efficient and durable with respect to the previous material and also should be economical. Topics such as pollution and other related area has initiated to make a change in the chemical properties too.

- Sturdy & High Performance Concrete
- Self Compacting Concrete
- Mineral Admixtures & its Uses
- Ground Granulated Blast Furnace Slag
- Hydrophobic Concrete Waterproofing System
- Durability Enhancing Products
- Recycled Aggregates

Course Outcomes: At the end of the course, students will be able to,

[1].Identify various construction materials

[2]. Know and differentiate elemental properties of construction materials

[3].Demonstrate an appropriate application of construction material

Course Content / Syllabus:

Reinforcement of cement based composites. Different types of fibers- steel fibre, carbon fibre, natural fibre, proportioning of fibres and cement, design and structure of cement composites. Bonding between fibres and cement, interaction between cement, polymer and fibres, permeability, corrosion resistance, abrasion resistance, creep and other mechanical properties of fibres reinforced concrete, special kind of cement based composites, Cracking of cement matrix and crack propagation. Behavior of cement matrix composites in service conditions. Fire resistance of polymer and fibre reinforced concrete, Application and development of cement.

Reference Books

1. "Aluminium Structures: Advances, Design and Construction" by R Narayanan
2. "Advances in Cement Technology: Chemistry, Manufacture and Testing" by S N Ghosh
3. "Advances in Construction Life Cycle Assessment Through Building Information Modelling" by Daniel Doran

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School of Research and Technology
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Report of Value Addition Course

Date : **11 Jan-16 Jan-2021**

Title of Event: **Advanced Construction Materials**

Venue: Civil Department, SORT, Peoples University.

Name(s) of Chief Guest/ Other Guests / Resource Person/ Speaker(s): ***Mr. Hirendra Pratap Singh***

Name Coordinator: **Mr. Pankaj Kumar Lodhi**

Collaborator/Sponsor (if any): No

No. of Participants (Faculty member and Student separately): 36

Brief about the event

With the rapid growth of technology, it has been found that measures have been applied at its best to rebuild or recompose the materials such that it can be more efficient and durable with respect to the previous material and also should be economical. Topics such as pollution and other related area has initiated to make a change in the chemical properties too.

Outcome/Impact of event/activity in brief: -

[1].Identify various construction materials

[2]. Know and differentiate elemental properties of construction materials

[3].Demonstrate an appropriate application of construction material

Supporting Documents:

- No. of Participants Attended: (Attached Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: (Attached Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Mode of Assessment: Quiz/Test/Other

1. In a mortar, the binding material is

A. Cement

B. Sand

C. Surkhi

D. Cinder

2. Lacquer paints

A. Are generally applied on structural steel

B. Consist of resin and nitro-cellulose

C. Contain alcohol as thinner

D.All the above.

3. Wrought iron contains carbon upto

A. 0.25%

B. 1%

C. 1.5%

D. 2%

4. Ultimate strength to cement is provided by

A. Tricalcium silicate

B. Di-calcium silicate

C. Tri-calcium aluminate

D. Tetra calcium alumino ferrite.

5. The initial setting time of lime-pozzolana, is

A. 30 minutes

B. 60 minutes

C. 90 minutes

D. 120 minutes

6. What is the initial setting time & final setting time of cement?

A. 30 minutes & 600 minutes

B. 45 minutes & 600 minutes

C. 30 minutes & 450 minutes

D. 60 minutes & 300 minutes

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7. Which of the following cement does not have field test?

A. There should not be any visible lumps

B. The colour of the cement should be greenish grey

C. Final setting time of cement is 600 minutes

D. When hand is inserted in cement bag it should give cool feeling.

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7. Which of following does not represented quality?

A. Strength
B. Durability
C. Test results
D. All of the above

8. When structure have a good quality it is ___

A. Architecture planning proper
B. Adequate testing
C. Workmanship should excellent
D. All of the above

9. The main constituent of fly-ash, is

A. Aluminium oxide
B. silica
C. ferrous oxide
D. All of these.

10. The plastics made from cellulose resin

A. Are as clear as glass
B. Are tough and strong
C. Possess excellent electrical properties
D. All the above.

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Date: 24/05/2021

Notification

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June) Value Added Course will be offered to students presently studying in B.Tech. VIII Semester by the Institute.

Name of Course: Urban Planning focus on smart cities

Name of Resource Person: Mr. Satish Kumar Kushwah Mr. Pankaj Kumar Lodhi

Name of Faculty Coordinator: Mr. Pawan Dubey

Dates: 17 May-22 May-2021

Registration Link/Form/Other:

Last date of Registration: 01 May-2021

HOI/Dean

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School of Research and Technology
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Value Addition Course: Urban Planning focus on smart cities

Introduction: Regional planning concerns the context and the organization of human activities in a determined space via taking into account the available natural resources and the financial requirements. Urban planning particularizes regional planning in a residential area. Both regional and urban planning are policy frameworks that reflect the Government willing for sustainable land uses and development in a specific space for a limited time period. Planning accounts various parameters such as the environmental capacity, population, financial cohesion, and transportation and other public service networks. Various international cases present alternative approaches to the smart city, while they capitalize the Information and Communication Technologies for multiple purposes, which vary from simple e-service delivery to sophisticated data collection for municipal decision making.

Course Outcomes: At the end of the course, students will be able to,

[1]. Understand about urban planning.

[2]. Describe various regional planning.

[3]. Understand about various Information and Communication Technologies.

Course Content / Syllabus: Regional planning, organization of human activities. Urban planning particularizes, policy frameworks ,various parameters, environmental capacity, population, financial cohesion, and transportation and other public service networks, visualize urban context data collection for municipal decision making, urbanisation needs,

Reference Books:

1. Smart Cities: The Emergence Of A New Civilization Paperback, Phillip Andrews (Author), Tom Allen (Author), Debi Stack (Author), Glenn Robertson

2. The Smart City Transformations : The Revolution of the 21st Century (English, Paperback, Amitabh Satyam.

3. Smart Cities: Governing, Modelling and Analysing the Transition ,Mark Deakin.

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(Faculty of Engineering)

Report of Value Addition Course

Date :- 17/05/2021 To 18/05/2021

Title of Event: Urban Planning focus on smart cities

Venue: SORT

Name(s) of Chief Guest/ Other Guests / Resource Person/ Speaker(s): Mr. Satish Kumar Kushwah and Mr. Pankaj Kumar Lodhi

Name Coordinator(s): Mr. Pawan Dubey

Collaborator/Sponsor (if any):No

No. of Participants (Faculty member and Student separately): 35

Brief about the event (Minimum 50 words)

Urban planning particularizes regional planning in a residential area. Both regional and urban planning are policy frameworks that reflect the Government willing for sustainable land uses and development in a specific space for a limited time period. Planning accounts various parameters such as the environmental capacity, population, financial cohesion, and transportation and other public service networks

Outcome/Impact of event/activity in brief: -

[1].Understand about urban planning.

[2]. Describe various regional planning.

[3]. Understand about various Information and Communication Technologies.

Supporting Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Mode of Assessment: Quiz/Test/Other

Q.1. Land use, transportation and road network plans are _____

a) Inter linked

b) Intra linked

c) Not linked

d) Depends on the network

Q.2. What is the main cause of accidents in urban areas?

a) Improper planning

b) Extra wide roads

c) Additional thickness of the pavement

d) Traffic congestion

Q.3. The first stage in the function of traffic engineering department is?

a) Planning and design

b) Collection of data

c) Investigations

d) Financ

Q.4. Traffic forecast is not influenced by _____

a) GDP

b) Industrial output

c) Population

d) Weather

Q.5.Demographic factors do not include _____

a) GDP

b) Population in urban cities

c) Population in rural areas

d) Overall population

Q.6. The Planning Commission was established in the year

a) 1947

b) 1948

c) 1950

d) 1965

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Q.7. The first plan started on

a) 1950

b) 1951

c) 1965

d) 1991

Q.8. Planning Commission was scrapped on

a) 2015

b) 2014

c) 2017

d) 2012

Q.9. Formation of NITI AYOG was announced in

a) 15th August 2015

b) 15th August 2014

c) 26th January 2015

d) 26th January 2014

Q.10. NITI AYOG was established on

a) 15th August 2015

b) 26th January 2015

c) 2nd October 2015

d) 1st January 2015

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Notification

Date: 03.05.21

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June 2021) Value Added Course will be offered to students presently studying in 4th Semester by the Institute.

Name of Course: House Wiring

Name of Resource Person: Mr. Amol Barve

Name of Faculty Coordinator: Ms. Anju Mishra

Dates: 17May 2021 -25 May 2021

Registration Link/Form/Other:

Last date of Registration: 14 May 2021

HOI/Dean

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Value Added Course: House Wiring

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about basics of wiring. It provides fundamental concepts, the necessary knowledge and the basic skills related to House Wiring.

Course Outcomes: At the end of the training, the candidates will be able to,

[1]. Appreciate the importance of embarking on self-employment and has developed the confidence and personal skills for the same.

[2]. Indentify business opportunities in chosen sector / sub-sector and plan and market and sell products / services.

[3]. Understand the Fundamentals of Electrical equipments, electricity, current, voltage, power and circuits of different capacity motors.

Course Content / Syllabus:

- Concept of basic Electricity, Single phase & three phase circuits Measurement of Electrical quantities like Voltage, Currents, Resistance, Impedance, power factor and energy.
- Fires in electrical Circuits & Precautions Fire Extinguishers, its types and operation General Safety of Tools & equipment.
- Knowledge of tools required for marking, punching, cutting, drilling, filing, stripping, crimping, Socketing and fixing glands & screws etc.
- Knowledge of Measuring tools, wire gauges etc. Classification and Identification of the electrical equipments cables, wires and electrical accessories used in industry.
- Studies of diagram & Symbols used in basic Electrical Circuits, Wiring & installations. Different types of wires & conductors, Load carrying capacity. Knowledge of different electrical wiring- residential, offices, hospitals, go-downs etc. Practice and working on cable lay out and different circuits.

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School of Research and Technology
(Faculty of Engineering)

Report of Value Addition Course

Date(From - To):17/05/2021-25/05/2021

Title of Event: House Wiring

Venue: EE department SORT

Name(s) of Resource Person: **Mr.Amol Barve**

Name Coordinator(s):Ms. Anju Mishra

Collaborator/Sponsor (if any): Nil

No. of Participants (Faculty member and Student separately): 25 students

Brief about the event (Minimum 50 words)

House electrical wiring is a process of connecting different accessories for the distribution of electrical energy from the supplier to various appliances and equipment at home like television, lamps, air conditioners, etc. Let us look at the different types of electrical wiring that are used in domestic properties.

Outcome/Impact of event/activity in brief: -

[1]. Students will develop the ability to measurement of Electrical quantities like Voltage, Currents, Resistance, Impedance, power factor and energy.

[2]. Students will perform House wiring / Hospital Wiring / Office /Go-down wiring etc.

[3]. Students will identify the cable sizes and perform cable jointing.

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Supporting Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Notification

Date: 10.01.21

Value Added Course (July-Dec. 2020)

Dear Students,

This is to inform you all that in upcoming odd semester (July-Dec, 2020) Value Added Course will be offered to students presently studying in 5th Semester by the Institute.

Name of Course: Motor Winding

Name of Resource Person: Mr. Rajesh Sahu

Name of Faculty Coordinator: Mrs. Poonam Jounjare

Dates: 17 Jan 2021 -25 Jan 2021

Registration Link/Form/Other:

Last date of Registration: 14 Jan 2021

HOI/Dean

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Value Added Course: Motor Winding

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about basics of winding. It provides fundamental concepts, the necessary knowledge and the basic skills related to Motor Winding.

Course Outcomes: At the end of the training, the candidates will be able to,

[1]. Appreciate the importance of embarking on self-employment and has developed the confidence and personal skills for the same.

[2]. Indentify business opportunities in chosen sector / sub-sector and plan and market and sell products / services.

[3]. Run electrical shop of sale & maintenance, rewinding shop & installation of pump.

Course Content / Syllabus:

- Engineering hand tools, as hammers, chisels, punch, clamp Hack saw. Files etc. steel tape. Marking & measuring tools, steel rule. Try square. Scriber.
- Types of bearing, study methods of replacing bearing, preheating. Process of Impregnation Varnishing & backing process.
- Rewinding process, name plate details, cutting of burnt coils and weighting, counting number of slot, pitch (Actual counting), number of pole. Conductor per coil per slot, Pitch (Actual counting) Winding farm Tapping. Fixing Insulation paper in slot after clearing slot. Fixing of coil side in slot, Connection.
- A.C. Single phase motor construction, Working principle and use of different types of single phase motor, Split phase induction motor, Capacitor motor, Capacitor start Capacitor run motor, Capacitor start motor. Shaded pole motor.
- Universal (A.C. Series) motor, Repulsion motor, Direction changing of above motor, A.C. & D.C. Motor, Construction, working, principle and use of Different type of 3-Φ Induction motor. Squirrel cage Induction motor, Slip ring induction motor, Changing direction of rotation.
- Control and staring of 3-Φ motor, Introduction about overload relay, Single phase preventer, Construction and working principle of DOL, Star-delta Rotor resistance starter.

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School of Research and Technology
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Report of Value Addition Course

Date(From - To):17/01/2021-25/01/2021

Title of Event: Motor Winding

Venue: EE department SORT

Name(s) of Resource Person: Mr. Rajesh Sahu

Name Coordinator(s):Mrs. Poonam Jounjare

Collaborator/Sponsor (if any): Nil

No. of Participants (Faculty member and Student separately): 28 students

Brief about the event (Minimum 50 words)

An electrical motor is one kind of machine which is used to change the energy from electrical to mechanical. Most of the motors work on the principle of interaction among the electric current as well as the magnetic field within a wire winding. This can generate force in the form of shaft rotation. These motors can be powered with DC or AC sources. The DC sources are batteries whereas the AC sources are inverters, power grids, generators. A generator is mechanically similar to the motor but works in the reverse direction by converting the energy from mechanical to electrical.

Outcome/Impact of event/activity in brief: -

[1]. Students will develop the ability to rewinding of different types/capacity of motors.

[2]. Students will develop testing board and able to find faults in testing board.

[3]. Students will develop the ability to equipments used for motor rewinding.

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Supporting Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Notification

Date : 17.05.21

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June 2021) Value Added Course will be offered to students presently studying in 6th Semester by the Institute.

Name of Course: PLC SCADA

Name of Resource Person: Mr. Amit Gupta

Name of Faculty Coordinator: Mr. Lokesh Shukla

Dates: 27 May 2021 -07 June 2021

Registration Link/Form/Other:

Last date of Registration: 24 May 2021

HOI/Dean

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Value Added Course: PLC SCADA

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about basics of PLC SCADA. It provides fundamental concepts, the necessary knowledge and the basic skills related to PLC SCADA.

Course Outcomes: At the end of the training, the candidates will be able to,

[1]. Identify different components of PLC.

[2]. Select appropriate PLC modules for given application.

[3]. Develop PLC ladder program for a given application.

[4]. Test a simple SCADA application

[5]. Test a simple PLC-SCADA application.

Course Content / Syllabus:

- PLC Fundamentals - (Block diagram of PLC's)Applications and Types of Transformers
- Selection of PLC components(Power supply, CPU, I/Os List , Communication bus Various ranges available in PLC's)
- I/O list selection
- Open-Circuit and Short-Circuit Tests
- Types of Inputs & outputs / Source Sink Concepts
- Parallel Operation of Transformers
- Wiring of the I/O devices
- Architectural Evolution of PLC
- Introduction to the field devices
- Types of Inputs & outputs / Source Sink Concepts
- Wiring of the I/O devices
- Concept of flags and Scan cycle execution

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Report of Value Addition Course

Date(From - To):27/05/2021-07/06/2021

Title of Event: PLC SCADA

Venue: EE department SORT

***Name(s) of Resource Person*: Mr. Amit Gupta**

Name Coordinator(s):Mr. Lokesh Shukla

Collaborator/Sponsor (if any): Nil

No. of Participants (Faculty member and Student separately): 30students

Brief about the event (Minimum 50 words)

In Present global scenario of manufacturing, industries are moving towards complete automation. Small and medium scale industries require PLC and SCADA technology for the data acquisition and control. Therefore, it is necessary for electronics engineers to have knowledge of both PLC and SCADA technology. This course attempts to provide basic configurationally knowledge of these technology to develop operational competency. Hence this course is foundation for the engineers who want to specialize in PLC and SCADA.

Outcome/Impact of event/activity in brief: -

[1]. Students will identify the specified parts of the given PLC along with its function.

[2]. Students will identify and describe the given module of PLC

[3]. Students will Specify the proper I/O addressing format for PLC. Describe the format of different relay type instructions.

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Supporting Documents:

- No. of Participants Attended: xx (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: xx (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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School of Research and Technology
(Faculty of Engineering)

Date:7 May 2021

Notification

Value Added Course (2020-21)

Dear Students,

This is to inform you all that in upcoming even or odd semester (2020-21) Value Added Course will be offered to students presently studying in diploma 4th Semester by the Institute.

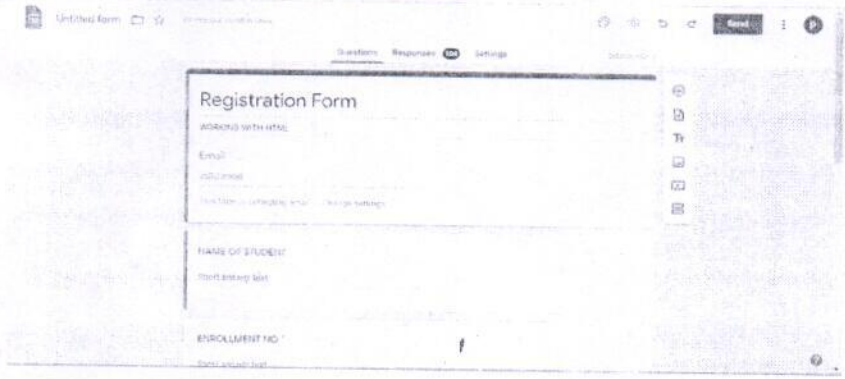
Name of Course: Working with HTML

Name of Resource Person: Mr. Rahul Tiwari

Name of Faculty Coordinator: Mr. Rahul Tiwari

Dates: 14 May to 22 May 2021

Registration Link/Form/Other:



Last date of Registration: 13 May 2021

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School of Research and Technology
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Value Addition Course: Working with HTML

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about HTML. It provides fundamental Concepts, the necessary knowledge and the basic skills related to web designing.

Course Outcomes: At the end of the course, students will be able to,

[1]Describe fundamentals of web

[2]Introduce the creation of static webpage using HTML

[3]Describe the importance of CSS in web development.

Course Content / Syllabus:

- Web Programming Introduction: Architecture of a website, Different technologies in making the website, Web Development Introduction.
- 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
- HTML-Basic Formatting Tags: HTML Basic Tags, HTML Formatting Tags, HTML Color Coding.
- HTML-Grouping Using Div Span: Div and Span Tags for Grouping
- HTML-Lists: Unordered Lists, Ordered Lists, Definition list
- HTML-Images: Image and Image Mapping.
- HTML-Hyperlink, URL - Uniform Resource Locator, URL Encoding
- HTML-Table: Table,th ,tr ,td ,caption ,thead, tbody ,tfoot ,colgroup, col
- HTML-Iframe: Using Iframe as the Target
- HTML-Form: Input,Textarea,Button,Select,Label
- HTML-Headers: Title, Base, Link, Styles, Script, Meta
- HTML-Miscellaneous: HTML Meta Tag, XHTML, HTML Deprecated Tags & Attributes
- CSS2-Introduction: Benefits of CSS, CSS Versions History, CSS Syntax, External Style Sheet using < link >, Multiple Style Sheets,Value Lengths and Percentages
- CSS2-Syntax: CSS Syntax, single Style Sheets, Multiple Style Sheets, Value Lengths and Percentages
- CSS2-Selectors: ID Selectors, Class Selectors, Grouping Selectors, Universal Selector, Descendant / Child Selectors, Attribute Selectors, CSS - Pseudo Classes
- CSS2-Color Background Cursor: background-image, background-repeat, background-position, CSS Cursor.

Mode of Assessment: Quiz

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Report of Value Addition Course

Date(From - To): 14 May 2021 to 22 May 2021

Title of Event: Working with HTML

Venue: School of Research & Technology

***Name(s) of Resource Person*:** Mr. Rahul Tiwari

Name Coordinator(s): Mr. Rahul Tiwari

Collaborator/Sponsor (if any): *Nil*

No. of Participants (Faculty member and Student separately):14

Brief about the event (Minimum 50 words)

Value Added Course was organized by the Department of Computer Science and Engineering on 14th May 2021 to 22 May 2021. The topic was "Working with HTML". 14 students participated in the activity and the workshop was conducted in a very smooth way.

Outcome/Impact of event/activity in brief: -

This activity was a success as all the participants actively participated in the event. They all are learning with interest. Many students were showing their outputs after performing. Few students are asking questions and clear their doubts. On last day there was quiz on HTML and all students are participated with interest.

Supporting Documents:

- No. of Participants Attended: 14 (Attached Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: 14 (Attached Result Sheet)
- Copy of Certificate: 02

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Working with HTML : QUIZ

Multiple Choice Question
Each Question Carry one Mark

1) HTML stands for -

a. HighText Machine Language
b. HyperText and links Markup Language
c. HyperText Markup Language
d. None of these

2) The correct sequence of HTML tags for starting a webpage is -

a. Head, Title, HTML, body
b. HTML, Body, Title, Head
c. HTML, Head, Title, Body
d. HTML, Head, Title, Body

3) Which of the following element is responsible for making the text bold in HTML?

a. <pre>
b. <a>
c. <b>
d.

4) Which of the following tag is used to insert a line-break in HTML?

a.
b. <a>
c. <pre>
d. <b>

5) How to create an unordered list (a list with the list items in bullets) in HTML?

a.
b.
c.
d. <i>

6) How to create a hyperlink in HTML?

a. javaTpoint.com
b. <a url = "www.javatpoint.com" javaTpoint.com /a>
c. javaTpoint.com
d. <a> www.javatpoint.com <javaTpoint.com /a>

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7) How to insert an image in HTML?

a.
b.
c.
d.

8) How to add a background color in HTML?

a. <marquee bg color: "red">
b. <marquee bg-color = "red">
c. <marquee bgcolor = "red">
d. <marquee color = "red">

9) Which of the following tag is used to define options in a drop-down selection list?

a. <select>
b. <list>
c. <dropdown>
d. <option>

10) Which of the following HTML tag is used to display the text with scrolling effect?

a. <marquee>
b. <scroll>
c.
d. None of the above

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Date:28/12/2020

Notification

Value Added Course (2020- 2021)

Dear Students,

This is to inform you all that in upcoming even semester (2020- 2021) Value Added Course will be offered to students presently studying in 5th Semester by the Institute for diploma students.

Name of Course: Troubleshooting on hardware and networking problems

Name of Resource Person: Mr. Rajesh Kourav

Name of Faculty Coordinator: Ms. Ankita Awasthi

Dates: 04 Jan 2021 – 12 Jan 2021

Registration Link/Form/Other:

Last date of Registration: 02 Jan 2021

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Value Addition Course: Troubleshooting on hardware and networking problems.

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about **Troubleshooting on hardware and networking problems**. It provides fundamental concepts, the necessary knowledge and the basic skills related to Troubleshooting on hardware and networking problems.

Course Outcomes: At the end of the course, students will be able to,

[1]. Student will be able to understand the operations of basic PC hardware.

[2]. Student will be able to understand the operations of basic trouble shooting in hardware in practical.

[3]. Student will be able to implement the basic networking concepts with modern networking techniques.

[4]. Student will be able to understand basic of network troubleshooting.

[5]. Student will be able to understand network troubleshooting tools and their functions.

Course Content / Syllabus:

- Hardware Basics-: Introduction to computer hardware, components of mother boards & its types, Primary & secondary storage medium. Input devices-keyboard, mouse, types of mouse, joy stick, how input is taken in & given out, gaming device ,Output devices-monitors-different types of monitors, printers & its types, projectors.
- Hardware Trouble Shooting: Printers, Microphone.
- Hardware Trouble Shooting: Scanner, Network, Hardware failure, Testing, CMOS,Hard disk drive.
- Hardware Trouble Shooting: Monitor, Mother Board, Sound Card, Video Card.
- Basic networking - : Introduction to networks: Why networks? Basic network concepts, applications & uses of computer networks, different layers in networks, internet & web

  concepts, network security, Software & hardware issues in networking, reference models, OSI, TCP, IP, UDP. Transmission medium –wired communication, wireless

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communication, & satellite communication ,Modern Network Techniques, Internet Standardization.

- Network troubleshooting : Introduction, basic network troubleshooting- adapter resources, Verify connection, Internet Working, Adapter functionality, Advanced Network Troubleshooting tools, Some problem & solution – Network cable unplugged, IP Address conflict , No connectivity, Network failure.

Mode of Assessment: Quiz

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Report of Value Addition Course

Date: 04 Jan 2021 - 12 Jan 2021

Title of Event: Troubleshooting on hardware and networking problems.

Venue: SORT Bhopal

***Name of Resource Person*:** Mr. Rajesh Kourav

Name Coordinator(s):Ms. Ankita Awasthi

Collaborator/Sponsor (if any):Nil

No. of Participants (Student): 33

Brief about the event (Minimum 50 words)

Value Added Course had offered to students studying in 5th Semester in computer science & Engineering branch for diploma course students from 04 Jan 2021 – 12 Jan 2021 by the SORT Institute .Speaker was Mr. Rajesh Kourav. Students acquire knowledge about **Troubleshooting on hardware and networking problems**. It provides fundamental concepts, the necessary knowledge and the basic skills related to Troubleshooting on hardware and networking problems. This value added course was lucrative for students.

Outcome/Impact of event/activity in brief: -

- Student will be able to understand the operations of basic trouble shooting in hardware in practical.
- Student will be able to implement the basic networking concepts with modern networking techniques.
- Student will be able to understand network troubleshooting tools and their functions.

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Quiz Question

Q.1 While inspecting a motherboard, you notice a discolored area. What usually causes this?

(A) Power surge
(B) Underclocking
(C) Spilled liquid
(D) None of these

Q.2 You are the new IT admin, and you need to find the network configuration. What should you use?

(A) ipconfig
(B) cmd
(C) netchange
(D) None of these

Q.3 This command sends a request out and expects a response, indicating that both hosts are communicating.

(A) tracert
(B) ping
(C) nslookup
(D) None of these

Q.4 A user wants to connect Bluetooth headphones to a laptop when traveling on a plane. The devices won't connect because of airplane mode. What would you suggest?

(A) manually turn on bluetooth
(B) turn airplane mode on
(C) turn airplane mode off
(D) connect to wifi

Q.5 A user sets up a wifi router in the living near his cordless telephone and in direct sunlight. What COULD be the issues here?

(A) range issues
(B) password issues
(C) channel interference
(D) no issue

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Q.6 This cmd utility is used for remote server management.

(A) telnet
(B) SSH
(C) netstat
(D) ping

Q.7 Memory is made up of

(A) set of wires
(B) set of circuits
(C) Large number of cells
(D) All of these

Q.8 NIC stand for

(A) Network Interface card
(B) Network Interface client
(C) Network Input card
(D) Network Interface card

Q.9 A computer that is on network

(A) Node
(B) Client
(C) server
(D) None of these

Q.10 What is the solution if printer prints unknown character.

(A) Reinstall driver
(B) Increase memory
(C) Replace drum wiper
(D) None of these

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Supporting Documents:

- No. of Participants Attended: 33 (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: 33(Attach Result Sheet)
- Copy of Certificate

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Date: 21/05/2021

Notification

Value Added Course (2020-2021)

Dear Students,

This is to inform you all that in upcoming even semester (2020-2021) Value Added Course will be offered to students presently studying in VI Semester diploma by the Institute.

Name of Course: Python For Beginner

Name of Resource Person: Mr. Aseem Bhandari Abhandari

Name of Faculty Coordinator: Mr. Pankaj Savita

Dates: 26/05/2021 to 03/06/2021

Registration Link/Form/Other:

Last date of Registration: 24/05/2021

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Value Addition Course: Python for Beginner

Introduction: This course is offered by SORT, targeting students who wish to acquire knowledge about python basics. It provides fundamental Concepts, the necessary knowledge and the basic skills related to the python language.

Course Outcomes: At the end of the course, students will be able to,

[1]. Students will acquire programming skills in core Python.

[2]. Students will be able to develop their skills of designing GUI.

[3]. Students will be able to work with CGI Script.

Course Content / Syllabus:

An Introduction to Python : A Brief History of Python, Python Versions, Installing Python, Environment Variables, Executing Python from the Command Line, IDLE, Editing Python Files, Python Documentation.

Python Collections : Functions, Modules: Lists, Tuples, Sets, Dictionaries, Sorting Dictionaries, Copying Collections. Defining Your Own Functions, Parameters, Function Documentation, Keyword and Optional Parameters, Passing Collections to a Function.

Exceptions, I/O, Classes in Python Regular Expressions: Errors, Runtime Errors, The Exception Model, Exception Hierarchy, Handling Multiple Exceptions, raise & assert. Data Streams, Creating Your Own Data Streams ,Access Modes, Writing Data to a File, Reading Data From a File, Additional File Methods, Using Pipes as Data Streams, Handling IO Exceptions ,Working Directories; The pickle Module. Classes in Python, Principles of Object Orientation, File organization. List Comprehensions, Nested.

Writing GUIs in Python: List Comprehensions, Dictionary Comprehensions, Dictionaries with Compound Values, Processing Lists in Parallel, Specialized Sorts, Time Functionality, Generators.

Mode of Assessment: Quiz

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Report of Value Addition Course

Date(From - To): 26/05/2021 To 03/06/2021

Title of Event: Python for Beginner

Venue: CSE Department Lab

Name of Resource Person: Mr. Aseem Bhandari

Name Coordinator(s): Mr. Pankaj Savita

***Collaborator/Sponsor (if any):*NA**

No. of Participants (Faculty member and Student separately):20

Brief about the event (Minimum 50 words)

The value addition course "Python for Beginner" was 16 hours course offered to the students. In this course students were given training on python language. Hands on training were given to the students. All the participants actively participated in the course and gained basic knowledge about the python language.

Outcome/Impact of event/activity in brief: -

This certification course was a success as all the students actively participated in the course. They all gained the basic knowledge of python language. At the end of the course, all were able to write the basic programs in the python language.

Supporting Documents:

- No. of Participants Attended: 20 (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: 20 (Attach Result Sheet)
- Copy of Certificate
- Photograph / Video Recording.
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (If any)
- Letter of Collaboration/ sponsorship. (If any)
- Brochure (If any)

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Python for Beginner: Quiz

Q.1 Which is invalid in python for z = 5 ?

a) z=z++

b) z = ++z

c) z += 1

d) z -= 1

Q.2 What is output for – 2 * 2 **3

a) 12

b) 64

c) 16

d) 36

Q.3 Which options are correct to create an empty set in Python?

a) {}

b) ()

c) []

d) set()

Q.4 Which of these is not a core data type?

a) List

b) Dictionary

c) Class

d) Tuples

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Q.5 What is output of following –print("abbzxyzxzxabb".count('abb',-10,-1)) ?

a) 2

b) 0

c) 1

d) Error

Q.6 Which can be an Identifier among them in Python?

a) 1abc

b) $12a

c) xy1

d) @python

Q.7 Which function can be used on the file to display a dialog for saving a file?

a) Filename = savefilename()

b) Filename = asksavefilename()

c) Fielname = asksaveasfilename()

d) No such option in python

Q.8 Suppose you are using a grid manager then which option is best suitable to place a component in multiple rows and columns?

a) Columnspan and rowspan

b) Only row

c) Only column

d) Only rowspan

Q.9 Python is an

a) interpreted, high-level, general purpose programming language

b) object oriented programming language

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c) procedural, functional, structured, and reflective programming language

d) all the above

Q.10 Python is designed by

a) Guido van Rossum

b) James Gosling

c) Dennis Ritchie

d) Google

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Date: 10/05/2021

Notification

Value Added Course (Jan-June 2021)

Dear Students,

This is to inform you all that in upcoming even semester (Jan-June) Value Added Course will be offered to students presently studying in diploma IV Semester by the Institute.

Name of Course: Use of Vastu Shastra in Building Planning

Name of Resource Person: Mr. Hirendra Pratap Singh and Mr. Pankaj Kumar Lodhi

Name of Faculty Coordinator: Mr. Pawan Dubey

Dates: 03 May-08 May-2021

Registration Link/Form/Other:

Last date of Registration: 01 May-2021

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Value Addition Course: Use of Vastu Shasta in Building Planning

Introduction: Vastu Shastra or the "science of architecture" has been employed in India through ages while preparing a construction site, designing, and deciding on the spatial arrangement of a house. This science is followed to preserve the right amount of energy in the home and to usher in peace, prosperity and good luck. Vastu not only deals with the position, layout or direction of each room, it also advises you on the most desirable use of colours and decorative elements. If the various activities in a house, shop, office or industry are directionally channelised as per principles of Vastu, we begin to draw power from nature in a natural way.

Course Outcomes: At the end of the course, students will be able to,

[1]. Understand about Vastu Shastra and their role in building planning.

[2]. Describe various living spaces.

[3]. Understand about various Direction and orientations.

[4]. Know that Vastu Shastra has also been referred for building towns, cities, roads, parks etc.

Course Content / Syllabus:

Introduction, Application of Vaastu shastra selection of land surroundings slope water – source and storage colouring Vaastushastra we can remove the defects in the structure, Basic Principles of Vaastu, For better results, any activity in your residence or office should be supplemented by the cosmic position of the elements, how does an imbalance in these elements affect us, The birth of vaastu purusha.

Reference Books:

1.Ancient science of vastu Create space Independent Pub; Large Print edition (11 December 2015).
2. Talavane Krishna M.D, The Vaastu Workbook.
3. Dr N H Sahasrabudhe and Gautami N Sahasrabuddhe Remedial Vaastu for Shops, Offices & Industries.
4. Day, Christopher. Places of the Soul: Architecture and Environmental Design as a Healing Art. s.l. : Architectural Press, 2004.
5. Kent, Susan. Domestic Architecture and the Use of Space: An Interdisciplinary Cross-Cultural Study. s.l. : Cambridge University Press, 1993.

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Mode of Assessment: Quiz/Test/Other

1. _____ Puranas The Details Of Vastu Shastra Is Includes
(A) : Agni
(B) : Kurma
(C) : Padma
(D) : Narada

2. Building Basically Consists Of _____ Parts
(A) One
(B) Two
(C) Three
(D) Four

3. Residential Buildings Are _____
(A) Bungalows
(B) Apartment
(C) School Dormitories
(D) All Of The Above

4. Assembly Buildings Are _____
(A) Marriage Hall
(B) Theatres
(C) Assembly Hall
(D) All Of The Above

5. The Word Orientation Means To Give _____ To The Building
(A) Proper Alignment
(B) Proper Direction
(C) Proper Component
(D) Proper Elegance

6. Which Among The Following Is Not A Principle Of Planning?
(A) Furniture Requirements
(B) Aspect
(C) Prospect
(D) Respect

7._____ Refers To The Effect Produced By Deriving The Maximum Benefits From The Minimum Dimensions Off A Room.
(A) Compactness
(B) Roominess
(C) Grouping
(D) Privacy

8._____ Is Nothing, But The Movement.
(A) Circulation
(B) Privacy
(C) Grouping
(D) Ventilation

9. Circulation In A Building Is Of _____ Types
(A) One
(B) Two
(C) Three
(D) Four

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10._____ Is The Planning Of Two Or More Related Rooms In Proximity Of Each Other

(A) Grouping

(B) Elegance

(C) Aspect

(D) Prospect

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Date: 12/01/2021

Notification

Value Added Course (2020-21)

Dear Students

This is to inform you all that in upcoming even or odd semester (2020-21) Value Added Course will be offered to students presently studying in V Semester by the Institute.

Name of Course: Working with Spreadsheet

Name of Resource Person: Mr. Rakesh Sakale and Mr. Pawan Dubey

Name of Faculty Coordinator: Mr. Satish Kumar Kushwah and Mr. Abhishek Kirar

Dates: 04/01/2021 to 09/01/2021

Registration Link/Form/Other:

Last date of Registration: 02/01/2021

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School of Research and Technology
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Value Addition Course: Working with Spreadsheet

Introduction: A spreadsheet is a computer application for computation, organization, analysis and storage of data in tabular form. Spreadsheets were developed as computerized analogs of paper accounting worksheets. The program operates on data entered in cells of a table. Each cell may contain either numeric or text data, or the results of formulas that automatically calculate and display a value based on the contents of other cells. A spreadsheet may also refer to one such electronic document. Spreadsheet users can adjust any stored value and observe the effects on calculated values. Spreadsheets have replaced paper-based systems throughout the business world. Although they were first developed for accounting or bookkeeping tasks, they now are used extensively in any context where tabular lists are built, sorted, and shared.

Course Outcomes: At the end of the course, students will be able to,

[1]. Create and automatic value recalculation.

[2]. Use formulas and functions for calculations.

[3]. Work with templates

[4]. Create charts for your data.

Course Content / Syllabus:

Brief about Google sheet and spreadsheet, Entering information into Google sheet, Demonstrate formatting cells, rows and columns, Demonstrate working with data using pivot tables and data validation, Demonstrate publishing and printing spreadsheet, Using formulas, Formula functions sum, Average, Count, Maximum, Minimum, Proper, Upper, Lower, Using auto sum, Creating charts, Different types of chart, Formatting chart objects, Changing the chart type, Moving between spreadsheets, Selecting multiple spreadsheets, Inserting and deleting spreadsheets renaming spreadsheets, Splitting the screen, Freezing panes, Copying and pasting data between spreadsheets, Hiding , Protecting worksheets, Sorting, Filter, Text to column, Data validation.

Reference Books

1. Excel All-in-One for Dummies: Paul Mc Fedries and Greg Harvey.
2. Excel 2019 Bible: Michael Alexander, Richard Kusleika, John Walkenbach.
3. Microsoft Excel 2019 Pivot Table Data Crunching; Bill Jelen, Michael Alexander.

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Mode of Assessment: Quiz/Test/Other

1. The best way to get started in Excel 2007 is to click the _____.

   a. View toolbar.
   b. Home tab.
   c. Microsoft Office Button.
   d. None of the above.

2. Which key combination collapses the ribbon?

   a. [Ctrl]+[F1]
   b. [Ctrl]+[F3]
   c. [Ctrl]+[F5]
   d. [Ctrl]+[F7]

3. Which view shows margins and the rulers?

   a. Normal
   b. Page Layout
   c. Page Setup
   d. Review

4. As you type a number in a cell, what mode appears in the status bar?

   a. Enter mode
   b. Ready mode
   c. Edit mode
   d. Record mode

5. Where is the address of the active cell displayed?

   a. Row heading
   b. Status bar
   c. Name Box
   d. Formula bar

6. Which command reverses the last action performed in the worksheet?

   a. Cut
   b. Undo 2021 22 82 Computerized Accounting System
   c. Redo
   d. Paste

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7. When navigating in a workbook, which command is used to move to the beginning of the current row?

   a. [Ctrl]+[Home]
   b. [Page Up]
   c. [Home]
   d. [Ctrl]+[Backspace]

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8. Which key when pressed displays the access keys?

a. [Alt]
b. [Ctrl]
c. [Shift]
d. [Esc]

9. Which command allows you to reverse an Undo command?

a. Redo
b. Repeat
c. Reset
d. Reverse

10. Which function results can be displayed in Auto Calculate?

a. SUM and AVERAGE
b. MAX and LOOK
c. LABEL and AVERAGE
d. MIN and BLANK

11. Which cell alignment is assigned to most values by default?

a. Right
b. Left
c. Centre
d. Decimal

12. Which function automatically totals a column or row of values?

a. TOTAL
b. ADD
c. SUM
d. AVG 2021 22 Spreadsheet 83

13. Which mathematical operator is represented by an asterisk (*)?

a. Exponentiation
b. Addition
c. Subtraction
d. Multiplication

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14. Which step completes an entry and moves the pointer to the cell to the right?

a. Pressing [Enter]
b. Pressing [Tab]
c. Pressing [Shift]+[Tab]
d. Pressing [Shift]+[Enter]

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15. How many blank worksheets are shown when a new workbook is created?

a. One
b. Two
c. Three
d. Four

ANSWERS KEY

1. c 2. a 3. b 4. a 5. c 6. b 7. c 8. a 9. a 10. a 11. b 12. c 13. d 14. b 15. c

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School of Research and Technology
(Faculty of Engineering)

Date:26/05/2021

Notification

Value Added Course (Jan-June2021)

Dear Students,

This is to inform you all that in upcoming Even semester (Jan-June) Value Added Course will be offered to students presently studying in VI Semester by the Institute.

Name of Course: Role of quality control in construction

Name of Resource Person: Mr. Rakesh Sakale and Mr. Hirendra Pratap Singh

Name of Faculty Coordinator: Mr. Abhishek Kirar

Dates: 17 May – 24 May 2021

Registration Link/Form/Other:

Last date of Registration: 01 May 2021

HOI/Dean

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School of Research and Technology
(Faculty of Engineering)

Value Addition Course: Role of quality control in construction

Introduction: Quality control in construction typically involves insuring compliance with minimum standards of material and workmanship in order to insure the performance of the facility according to the design. In today's construction market, effective quality control programs are necessary to help provide the required quality of construction at the best price. The purpose of this course is to educate students in the various methods of construction quality control. From the inclusion and approval process of quality control measures in design to the materials and methods in construction, quality control measures are a very important part of the approval and construction process.

Course Outcomes: At the end of the course, students will be able to,

[1].Explain Total Quality Management.

[2].Describe various quality checks.

[3].Explain Quality Control aspects of various construction activities.

[4].Use various quality standard codes from its application point of views.

Course Content / Syllabus:

Concept of quality control, Quality assurance, Quality management. Quality standards in construction related to Building materials and other inputs for construction processes. Quality standards for Construction outputs, products and services.Indian Standard Code & Methods of referring it, Use of IS for quality references. Accuracy and precision in observation, reading theodolite, digital theodolite, total station, calibration etc. Accuracy and precision in observation, reading theodolite, digital theodolite, total station, calibration etc.

Reference Books

1.Total Quality Management by G.Kanji Springer Science & Business Media

2.Fundamentals of Quality Control and Improvement by Amitva Mitra Wiley India Private Limited

3.Manual on Quality Control Gujarat Engineering Research Institute

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Mode of Assessment: Quiz/Test/Other

1.Concepts of Quality Control depends on

A. Quality Control

B. Quality Assurance

C. Quality Management

D. All the above

2._____ denotes the closeness of a measurement to its true value.

A. Accuracy

B. Precision

C. Calibration

D. Least count

3._____of a measurement denotes its closeness to another measurement of the same quality.

A. Accuracy

B. Precision

C. Calibration

D. Least count

4.The process of comparing any dimension with its true value is known as_____

A. Accuracy

B. Precisjon

C. Calibration

D. Least count

5. Which of the following activities are not included in quality assurance?

A. Reliability

B. Ductility

C. Durability

D. Safety

6. What is the initial setting time & final setting time of cement?

A. 30 minutes & 600 minutes

B. 45 minutes & 600 minutes

C. 30 minutes & 450 minutes

D. 60 minutes & 300 minutes

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7. Which of the following cement does not have field test?

A. There should not be any visible lumps

B. The colour of the cement should be greenish grey

C. Final setting time of cement is 600 minutes

D. When hand is inserted in cement bag it should give cool feeling.

8. Which of following does not represented quality?

A. Strength

B. Durability

C. Test results

D. All of the above

9. When structure have a good quality it is ___

A. Architecture planning proper

B. Adequate testing

C. Workmanship should excellent

D. All of the above

10. In which of the following includes are in civil engineering works for quality control.

A. Testing of materials

B. Inspection of finished work

C. Evaluation of construction method

D. All of the above

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School of Research and Technology
(Faculty of Engineering)

Report of Value Addition Course

Date(From - To): **17/05/2021 to 24/05/2021**

Title of Event: **Role of quality control in construction**

Venue: SORT

Name(s) of Chief Guest/ Other Guests / Resource Person/ Speaker(s): **Mr. Rakesh Sakale and Mr. Hirendra Pratap Singh**

Name Coordinator(s): Mr.Abhishek Kirar

Collaborator/Sponsor (if any):**No**

***No. of Participants (Faculty member and Student separately)*:48**

Brief about the event (Minimum 50 words)

This event was organized for the students of B.Tech civil. The event proceeded with the introduction and importance of quality control in the construction. The students were explained in detail about the error during the calibration of the instruments used in the civil and different material properties.

Outcome/Impact of event/activity in brief: -

The students were able to gain knowledge about various quality errors that happens on the field and how to minimize it. The use of day to day instruments used in the field of civil engineering with precision and accuracy.

Supporting Documents:

- No. of Participants Attended: 48 (Attach Attendance Sheet & List of Enroll Students)
- No. of Participants Completed: 39 (Attach Result Sheet)
- Copy of Certificate : Yes
- Photograph / Video Recording. No
- Press Release. (If any)
- Fund utilization in case of external sponsorship. (No)
- Letter of Collaboration/ sponsorship. (No)
- Brochure (If any)

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SCHOOL OF PHARMACY & RESEARCH

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People's University, Bhanpur, By-Pass Road, Bhopal (M.P.) 462037

Phone: 0755 4005238, 4005028

Value Added Course: Prevention of Chemical Hazards

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Syllabus

Module I

Introduction to Safety Concepts and Practice- To study &understanding of Safety and General precautions, To study basic knowledge of Safety procedures (fire fighting, first aid) within the organization, To study various types of PPEs and their usage in industry. ,To understand risks/hazards associated with each occupation in the organization, To study personal hygiene and importance of safe and clean working environment.

Module – II

Chemical hazards and Their Control- Classification of Chemical Hazards and their control, Chemicals as a cause of occupational diseases and poisoning, Prevention of diseases due to chemical effect, Education to prevent toxic exposures, Safety aspects in plant layout, Ventilation and lighting

Module – III

Introduction to Chemical Safety Guidelines- Health and safety management duties in relation to hazardous chemicals, Hazardous chemicals generated or manufactured in the workplace, Management of overexposure to chemicals

Module – IV

Hazard Identification and Risk Assessment- Explain hazard identification methods, Hazard identification methods : a) Hazard Operability study (HAZOP), b) Hazard Analysis (HAZAN)

Time Division for Module:

Modules	Allotted hours of teaching
Module I	5 hours
Module II	4 hours
Module III	4 hours
Module IV	5 hours
Total	**18 Hours**

Course Coordinator

Rajo Dubey
Anand Shriwas

Principal SOP&R

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People's University, Bhopal, M.P.

Value added course

Value Added Course: Prevention of Chemical Hazards

Course Description: This course aims to introduce safe use of chemicals at workplaces, present classification systems for the labeling and transport of dangerous goods, allow the reading and use of chemical safety cards, give a basic overview of toxicology and disseminate information on selected, widely used, hazardous substances. Chemicals are widely used throughout society, with both positive and negative effects on health, well-being, socio-economic aspects and the environment. Significant but still insufficient progress has been made in international chemicals management and regulations. Serious incidents still occur and there are still negative impacts on both human health and the environment, and it is agreed that the sound management of chemicals at the workplace is directly linked to protection of the environment.

These 18 hours lecture course involves guidelines for prevention of chemical hazards and safety precautions during handling of hazardous chemicals and other substances.

1. Identify and classify a hazardous chemical's class and type.
2. Demonstrate ways to assess and manage the hazards associated with chemicals.
3. Re-label any new transfer bottles.
4. Implement the proper procedures for responding to spills, emergencies, or injuries.
5. Maintain an accurate chemical inventory.

Learning goals and Outcomes:

- Help students develop an understanding of the principle of chemical safety
- Enable students to apply these concepts when working in a laboratory
- Foster a culture of safety in which students apply the RAMP concept to their laboratory experiences
- Encourage the scientific community to keep safety a high priority

Course Duration: 18 Hours

Course Schedule: 2 Hours/week

Course Beneficiary: Undergraduate Graduate Students (Bachelor of Pharmacy)

Course Outline: Syllabus

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Value Added courses Examination and Evaluation

The value added course shall carry 50 marks with Internal Assessment and End Semester assessment.

Award list Format:

Internal Assessment (IA):

- The IA will be done by (Multiple Choice question) MCQ.
- The duration of assessment is one hour each.
- IA, the assessment will be done by the Course Teacher

Internal Assessment (IA)	MCQ	Attendance	Total
	10	05	15

End Semester Examination: will be evaluated by MCQ, assignment and PPT that would be suitable to the course. The break-up of marks will be as follows:

End Semester Examination	MCQ	PPT/Viva Voce	Report	Total
	10	10	15	35

The End Semester Examination will be of one hour's duration and will cover the entire syllabus of the course.

Assessment of Value-added Courses:

Assessment of VACs shall be internal. IA Tests will be conducted during the semester by the individual course Teacher offering VAC and evaluated by the course Teacher.

Passing Criteria and Grading System: The passing criteria for value added courses shall be 50% of the marks obtained in both internal and end semester examination Evaluation of the performance of the student will be rated as shown in the Table.

Grade	Description of Performance	Marks %
A+	Out standing	90 and above
A	Excellent	80-89
B	Very good	70-79
C	Good	60-69
D	Satisfactory	55-59
E	Pass	50-54
F	Fail	Less than 50

Awarding Certificate: Candidates can get a certificate after passing of above said examination

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Value Added Course Bio-Medical Waste Management

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Value Added Course Bio-Medical Waste Management

Course Description:

Biomedical waste is defined as any type of waste created during a diagnostic process, the treatment of a condition or disease, or immunizations of humans or animals. It also includes any research activities or processes that involve biological testing. In essence, it's any type of waste that contains any type of the material that may be contaminated with potentially infectious properties. Infectious properties can be found in syringes delivering medications or chemotherapy. They can be found in bedding, bandages, or clothing contaminated with blood or bodily fluids of a person infected with a communicable disease.

Objectives

- The students are able to understand the preventive transmission of disease from patient to patient, from patient to health worker and vice versa.
- To ensure the protection of the environment through effective waste management measures.
- To understand Waste minimisation, Waste segregation and labelling, Waste handling and disposal.

Outcomes:

- The students able to Identifying biomedical waste.
- To prevent injury to the health care worker and workers and workers in support services, while handling biomedical waste.
- Students will sensitize how biomedical waste impacts the environment.
- Will understand better delivering healthcare safety and saving the environment.

Course Duration: 18Hours

Course Schedule:1 Hours/week

Course Beneficiary: Under Graduate Students (Bachelor of Pharmacy VI Semester)

Course Outline: Syllabus

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Syllabus

Module 1: Introduction

- Types of wastes, Major and minor sources of biomedical waste.
- Categories and classification of biomedical waste, Hazard of biomedical waste, Need for disposal of biomedical waste.
- Bio-Medical Waste Management Rules, 2016, Definitions.
- Major differences between biomedical waste rules 1998 and 2016.
- Salient features of BMW Management Rule,2016.

Module 2: Authorities and the Corresponding Duties

- Duties of the Occupier, Duties of the operator, Duties of authorities
- Prescribed authority, Procedure for authorisation, Advisory Committee
- Monitoring of implementation of the rules in health care-facilities,
- Annual report, Maintenance of records, Accident reporting
- Site for common bio-medical waste treatment and disposal facility
- Liability of the occupier, Operator of a facility.

Module 3: Waste management according to Schedule I &II

- Waste minimisation, Waste segregation and labelling, Waste handling and disposal (According to Schedule I)
- Standards for treatment and disposal of bio-medical wastes (Schedule-II) , Standards for
- Incineration,
- Disposal by plasma pyrolysis or gasification.
- Air emission and air pollution control measures.

Module 4:Waste management according to Schedule II continued

- Autoclaving of bio-medical waste.
- Microwaving.
- Deep burial.
- Efficacy of chemical disinfection.
- Dry heat sterilisation.
- Liquid waste.

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Time Division for Module:

Modules	Allotted hours of teaching
Module 1	6 hours
Module 2	5 hours
Module 3	4 hours
Module 4	3 hours

Evaluation of Student Performance:

Course assessment involves presentation skills for each lecture, followed by assignments for each study module.

Course- Coordinator

Mr. Atul Tripathi

Dr. Asher John Mohan

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Principal
School of Pharmacy & Research
People's University, Bhopal (M.P.)
SOPR

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School of Pharmacy & Research, People's University

Value Added courses Examination and Evaluation

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B	Very good	70-79
C	Good	60-69
D	Satisfactory	55-59
E	Pass	50-54
F	Fail	Less than 50

Awarding Certificate: Candidates can get a certificate after passing of above said examination.

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Value Added Course: Disaster Management (A Value Added Course)

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Disaster Management (A Value Added Course)

Course Details:

The course will be from 50 lectures of about 45 minutes each-following the UGC pattern. It will be taught in a single semester. It may be located in any if the 3 years of graduation based o availability of teachers and structure of the broader courses on offer in each University/ College.

The course may be taught by a teacher of any discipline as Disaster Management (DM) is multi disciplinary and draws its knowledge base form a range of disciplines.

Learner Objectives:

1. To provide students an exposure to disaster, their significance and types.
2. To ensure that students begin to understand the relationship between vulnerability, disasters, disaster prevention and risk reduction.
3. To gain a preliminary understanding of approaches of Disaster Risk Reduction(DRR)
4. To enhance awareness of institutional processes in the country
5. To develop rudimentary ability to respond to their surroundings with potential disaster response in areas where they live with due sensitivity.

S.No.	MODULES	TOPIC	No. of Lectures
1	Module/Unit-I	Introduction To Disaster	06
2	Module/Unit-II	Disasters Classification, Course, Impact	12
3	Module/Unit-III	Approaches To Disaster Risk Reduction	10
4	Module/Unit-IV	Inter-Relationship Between Disaster & Development	06
5	Module/Unit-V	Disaster Risk Management In India	08
6	Module/Unit-VI	Visit Of Disaster Management Institute, Bhopal (Field Work)	08

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Disaster Management (A Value Added Course)

Units **No. of Lectures**

Units I

Introduction to disasters: 06

Concepts and definitions (Disaster, Hazard, Vulnerability, Resilience, Risks)

Units II

Disasters: 12

(Classification Causes, Impacts including social, economic, political, environmental, health, psychosocial, etc.)

Differential impacts in terms of caste, class, gender, age, location, disability Global trends in disasters urban disasters, pandemics, complex emergencies, Climate change.

Units III

Approaches to Disaster Risk reduction: 10

Disaster cycle its analysis, Phases , Culture of safety, prevention, mitigation and preparedness, community based DRR, Structural – nonstructural measures, roles and responsibilities of community, Panchayati Raj Institutions/ Urban Local Bodies (PRIs/ULBs), States, Centre and other stake –holders.

Units IV

Inter-relationship between Disasters and Development: 06 Factors affecting Vulnerabilities, differential impacts, impact of Development projects such as dams, embankments, changes in land use etc. Climate Change Adaptation Relevance of indigenous knowledge , appropriate technology and local resources.

Units V.

Disaster Risk Management in India: 08

Hazard and vulnerability profile of India, Components of Disaster Relief: Water, Food, Sanitation, Shelter, Health, and Waste Management. Institutional arrangements (Mitigation, Response and Preparedness, DM Act and Policy, Other related policies, plans, programmes and legislation)

Units VI

Project Work: (Field Work Case Studies) 08

The project/field work is meant for students to understand vulnerabilities and to work on reducing disaster risks and to build a culture of safety, Projects must be conceived creatively based on the geographic location and hazard A few ideas or suggestions are discussed below.

Several governmental initiatives require Urban Local Bodies (ULBs) and Panchyati Raj Institutions (PRIs) to be proactive in preparing DM Plans and community based disaster preparedness plans. Information on these would be available with the district Collector or Municipal Corporations. The scope for students to collaborate on these initiatives in immense. Teachers may explore possibilities.

Teachers could ask students to explore and map Disaster prone areas, vulnerable sites, vulnerability of people (specific groups) and resources. The students along with teachers could work on ways of addressing these vulnerabilities, preparing plans in consultation with local administration or NGOs.

Students could conduct nock drills in schools, college or hospitals. They could also work on school safety, safety of college buildings, training in firs aid.

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Other examples could be identifying how a large dam road/ highway or an embankment or the location of an industry affects local environment and resources or how displacement of large sections of people creates severe vulnerabilities may be mapped by student project work.

Teaching Resources:
A range of Films- documentaries and feature films related to disasters and their impacts and on vulnerabilities of people are available which a teacher could choose with care and screen. This could form a basis for classroom discussion.

Suggested Reading list:

- Alexander David , Introduction in ' Confronting Catastrophe', Oxford University Press, 2000
- Andharia J. Vulnerability in Discourse, JTCDM, Tata Institute of Social Sciences Working Paper no. 8, 2008
- Blaikie, P, Cannon T, Davis I, Wisner B 1997. At Risk Natural Hazards, Peoples' Vulnerability and Disasters, Routledge.
- Coppola P Damon, 2007 Introduction to International Disaster Management.
- Carter, Nick 1991, Disaster Management: A Disaster Management's Handbook Asian Development Bank, Manila Philippines.
- Cuny, F.1983. Development and Disasters, Oxford University Press.
- Documents on World Summit on Sustainable Development 2002.
- Govt. of India: Disaster Management Act 2005, Government of India, New Delhi.
- Government of India 2009. National Disaster Management Policy.
- Gupta Anil K, Sreeja S. Nair. 2011 Environmental Knowledge for Disaster Risk Management, NIDM, New Delhi.
- Indian Journal of Social work 2002, Special Issue on Psychosocial Aspens of Disaster, Volume63, Issue 2, April.
- Kapur, Anu 2010: Vulnerable India: A Geographical Study of Disaster BAS and Sage Publishers, New Delhi.
- Parasuraman S, Acharya Niru 2000. Analyzing forms of vulnerability in a disaster. The Indian Journal of Social Work vol.61,issue 4, october

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Peoples University
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Disaster Management (A Value Added Course)

MODULE FOR DISASTER MANAGEMENT

S.No.	MODULES/UNITS	CONTENT
1	Module/Unit-I	Introduction To Disaster
2	Module/Unit-II	Disasters Classification, Course, Impact
3	Module/Unit-III	Approaches To Disaster Risk Reduction
4	Module/Unit-IV	Inter-Relationship Between Disaster & Development
5	Module/Unit-V	Disaster Risk Management In India
6	Module/Unit-VI	Visit Of Disaster Management Institute, Bhopal (Field Work)

Course Coordinator

Surendra Dangi

Eisha Ganju

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Principal SOP&R

School of Pharmacy & Research

People's University, Bhopal (M.P.)

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School of Pharmacy & Research, People's University
Value Added courses Examination and Evaluation

The value added course shall carry 50 marks with Internal Assessment and End Semester assessment.

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D	Satisfactory	55-59
E	Pass	50-54
F	Fail	Less than 50

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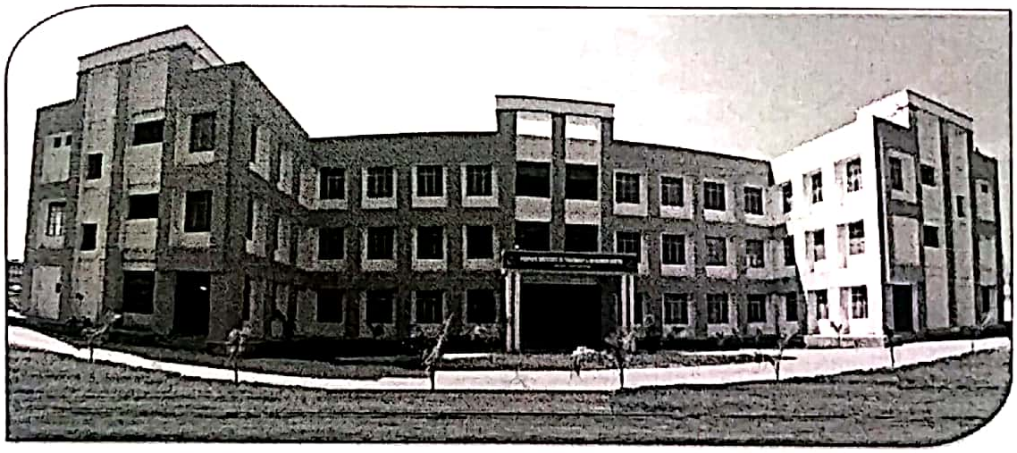
Phone: 0755 4005238, 4005028

Value Added Course: "Pedagogy on Campus Recruitment



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SCHOOL OF PHARMACY AND RESEARCH
People's University, Bhopal, M.P.
Value added course
"PEDAGOGY ON CAMPUS RECRUITMENT"

1. Course Description

Pedagogy onCampus Recruitment is specifically designed for undergoing graduation students. In order to make them professionally strong to enable & do well in campus drive. This class room Training Program accelerates the fitment and potential to be hired by top employers in the market. Providing hands on industry experienced professionals, providing guidance and coaching to get ready for campus selection rounds. Program is designed with intensive classroom training for undergraduates to make them corporate ready.

The following are the stages that students normally go through as a part of Campus Recruitment:

a. Aptitude Test
b. Group Discussion
c. Interviews

2. Objectives

a. The major objective of campus recruitment is to identify the talented and qualified professionals before they complete their education.
b. This process reduces the time for an industry to pick the candidates according to their need. It is a cumbersome activity and hence majority of the companies find it difficult to trace the right talent.
c. Many students do not understand the importance of placement training that is being imparted, whether it is aptitude training or soft skills. They show the least interest in this due to various factors viz. projects, assignments or more activities loaded by the it.
d. It is the responsibility of the companies training on placement to make the students equipped on all aspects of career development along with creating a very good impact in them which makes them feel every minute they spend in the placement training session is worth being there and will help them in getting placed in their dream companies.

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Objectives from different perspectives

For students: To help students for their better future by providing them technical & behavior training and to get placed in reputed companies.

For colleges: To help colleges by giving them maximum and good companies. Campus recruitment will not only benefit from higher placement rates but will also be the leader in adopting technology enabled learning solutions in the college.

For companies: Its aim is to give maximum benefits to companies by giving talented and hardworking employees who can work effectively and efficiently and also help them to fulfill their company mission

1. **Outcome**
   - ❖ To understand the campus recruitment process.
   - ❖ To assess the importance of campus recruitment from student's perspective.
   - ❖ Basics of aptitude test and how to make problem solving ability efficiently.
   - ❖ To make the students aware of the different regulatory bodies and their functioning
   - ❖ Sensitization to revise basics of anatomy, pharmacology and possible technical queries of industrial aspect
   - ❖ How to prepare for certain personality traits like confidence, communicating with the team, participation etc.

3. Brief about course:

This course will develop the personality and confidence of the students in order to clear an interview and can enter the pharmaceutical corporate world. By getting into this course the students will be getting the training of computer literacy,Resume Writing, communication skills, personality development and pharmaceutical module.

Module- I Resume Writing:

To demonstrate students that how to write resume and mention the important credentials depicted in resume in an appropriate way.

Module- II Communication, Aptitude test, Analytical and Logical Reasoning

Basics of aptitude test and how to make problem solving ability efficiently. Sensitize for Preparation of Verbal ability that checks students reading ability and level of Grammar.How to get prepared for logical and analytical ability like Coding- Decoding, Series, Puzzles, etc.

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Note: The type of questions that may be asked in verbal ability section include Spotting Errors, Sentence Improvements, Para- Jumbled, Reading Comprehension, idioms and phrases, letter writing, essay writing.

Module- III Group discussion and Personal interview:

How to prepare for certain personality traits like confidence, communicating with the team, participation, ability to present one's views in a clear and concise manner, interpersonal skills, leadership skills etc. To demonstrate the general behavior and dressing sense for interview. How to respond and act during an interview session.How to communicate with the interviewer using the appropriate terminologyto make the students presentable in front of the interviewer.

Module- IV Pharmaceutical Module:

Module preparation according to Job profile. Discuss the technical aspects of the different apparatus used in the pharmaceutical industries. To make the students aware of the different regulatory bodies and their functioning. How to move ahead with technical reasoning. Sensitization to revise basics of anatomy, pharmacology and possible technical queries of industrial aspect.

Course Duration: 16 Hours

Course Schedule: 1 Hour/week

Course Beneficiary: Under Graduate Students (Bachelor of Pharmacy VII Semester)

Course Outline: Syllabus

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SYLLABUS (PEDAGOGY ON CAMPUS RECRUITMENT)

S. No	Module	Description	Duration (16 hrs.)
1	**Module –I** **Resume Writing**	1. To study about how to write the resume format and tips for fresher as well experienced and update it. 2. Application letter writing for job.	3 hrs
2	**Module- II** **Communication, Aptitude test, Analytical and Logical Reasoning**	**1. Art of Good Communication** • Verbal & Non-Verbal Communication • Difference between Oral and WrittenCommunication • 7'Cs of Effective Communication • Importance of Effective Communication **2. Team Behaviour** Types of Teams,Team Roles and Behaviour, Group Discussion and Do's and Don't **3. Interview Skills** **4. Email Etiquettes** 5. Verbal ability section include Spotting Errors, Sentence Improvements, Para- Jumbled, Reading Comprehension, idioms and phrases, letter writing, essay writing.	6 hrs
3	**Module – III** **Group discussion and Personal interview**	**1. Personality** Definition, Elements and Determinants ofPersonality **2. Personal Grooming** Personal Hygiene, Social Effectiveness and Business Etiquettes (Power Dressing) **3. Interview Preparation** Self Introduction, Etiquette of dressing, How to be Successful in an Interview,Behavioral training, Mock-Interview, Mock Group Discussions, Mock Recruitment Drive	6hrs
4	**Module- IV** **Pharmaceutical Module :**	1. To prepare students according to job profile of Pharmaceutical sector based interview questions and answers 2. To make the students aware of the different regulatory bodies and their functioning. 3. Sensitization to revise basics of anatomy, pharmacology and possible technical queries of industrial aspect.	1 hr

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Time Division for Module:

Modules	Allotted hours of teaching
Module 1	3 hours
Module 2	6 hours
Module 3	6 hours
Module 4	1 hours
Total	**16 Hours**

Evaluation of Student Performance:

Course assessment involves presentation skills for each lecture, followed by assignments for each study module.

Maiya Beg.

Course Coordinator

Principal SOP&R

PRINCIPAL
School of Pharmacy & Research
People's University, Bhopal (M.P.)

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School of Pharmacy & Research, People's University

Value Added courses Examination and Evaluation

The value added course shall carry 50 marks with Internal Assessment and End Semester assessment.

Award list Format:

Internal Assessment (IA):

- The IA will be done by (Multiple Choice question) MCQ.
- The duration of assessment is one hour each.
- IA, the assessment will be done by the Course Teacher

Internal Assessment (IA)	MCQ	Attendance	Total
	10	05	15

End Semester Examination: will beevaluated by MCQ, assignment and PPT that would be suitable to the course. The break-up of marks will be as follows:

End Semester Examination	MCQ	PPT/Viva Voce	Report	Total
	10	10	15	35

The End Semester Examination will be of one hour's duration and will cover the entire syllabus of the course.

Assessment of Value-added Courses:

Assessment of VACs shall be internal. IA Tests will be conducted during the semester by the individual course Teacher offering VAC and evaluated by the course Teacher.

Passing Criteria and Grading System: The passing criteria for value added courses shall be 50% of the marks obtained in both internal and end semester examination Evaluation of the performance of the student will be rated as shown in the Table.

Grade	Description of Performance	Marks %
A+	Out standing	90 and above
A	Excellent	80-89
B	Very good	70-79
C	Good	60-69
D	Satisfactory	55-59
E	Pass	50-54
F	Fail	Less than 50

Awarding Certificate: Candidates can get a certificate after passing of above said examination

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SCHOOL OF PHARMACY & RESEARCH

PEOPLE'S
UNIVERSITY

People's University, Bhanpur, By-Pass Road, Bhopal (M.P.) 462037
Phone: 0755 4005238, 4005028

Value Added Course Professional Ethics And Moral Values

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SCHOOL OF PHARMACY & RESEARCH

PROFESSIONAL ETHICS AND MORAL VALUES

OBJECTIVES OF THE COURSE:

- To understand the importance of Moral Values, professional ethics and harmony in society.
- To enable students appreciate the essential complementarities between 'VALUES' and 'SKILLS' to ensure sustained happiness and prosperity which are the core aspirations of allhuman beings.
- To facilitate the development of a Holistic perspective among students towards life, profession and happiness, based on a correct understanding of the Human reality and the rest of existence. Such a holistic perspective forms the basis of Value based living in a natural way.
- Discuss the importance of Collegiality and Loyalty
- Developing ethical competence in the individual (profession) -an effective way to ensure professional ethics.
- Understanding the contradictions and dilemmas in professional life.

COURSE OUTCOMES

- The students will identify the importance of human values and skills for sustainedhappiness.
- The students will be able to strike a balance between profession and personal happiness/goals.
- The students will realize/ explain the significance of trust, mutually satisfying humanbehavior and enriching interaction with nature.
- The students will develop/ propose appropriate technologies and management patterns tocreate harmony in professional and personal life.

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Syllabus

Module 01: Introduction–Need and Understanding of Moral values :Understanding of Moral values namely respect, responsibility, Integrity, Care, Resilience and Harmony in the Society (society being an extension of family), Work Ethic, Courage, Empathy, Self Confidence, Moral Autonomy, Concensensus and Controversy, Professional and Professionalism, Professional Ideasand Virtues.

Module 02: Principles of Ethics and Morality:- Ethics as a Subset of Morality, Ethics andOrganizations, Employee Duties and Rights, Discriminatory and Pre-judicial Employee Practices,Understanding Harmony in Nature, Natural Acceptance of Human Values, Social and Emotional Learning namely self awareness, self management, social awareness, Relationship Management, Responsible decision making

Module 03: Process for Value Education:-

1. Right Understanding, Relationship and Physical Facilities – basic requirements forfulfillmentof aspirations of every human being with their correct priority.
2. Understanding Happiness and prosperity correctly – A critical appraisal of thecurrentscenario.
3. Method to fulfill the above human aspirations; understanding and living in harmony atvariouslevels.

Module 04: Collegiality and Loyalty: - Respect of Authority, Collective Bargaining, Confidentiality, Professional Rights, Intellectual Property Rights, Multinational Corporations, Honesty, Moral Leadership, Sample Code of Conduct, Corporate Responsibility. Social Audit and Ethical Investing, Computer and Ethics, Management Patterns,

Module 05: Competence and Professional Ethics:- i) Ability to Utilize the Professional Competence for Augmenting Universal Human Order, ii) Ability to identify the scope and Characteristics of people-friendly and eco-friendly production, iii) Ability to identify and develop appropriate technologies, and Management and pattern for above productionsystem. Strategy forTransitition from the Present State to Universal Human Order-i) At theLevel of Individual- as Socially and Ecologically Responsible Technologists and Managers
ii) At the Level of Society- asMutually Enriching Institutions and Organizations. Case studies of typical holistic technologies and management patterns.

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- Sussan George, 1076, How the other half Dies, Penguin Press, Peprinted 1986,1991
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- E.G. Seebauer & Robert, L BERRY, 2000, Foundationals of Ethics forScientists &Engineers, Oxford University Press.
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- B P Banerjee, 2005, Foundations of Ethics and Management, Excel books
- B.L. Bajpai, 2004, Indian Ethos and Modern Management , New Royalbook Co;Lucknow, Reprinted 2008.
- Ethics in Engineering, Mike Martin and Roland Schinzinger, McGrawHill.
- Engineering ethics-concepts and cases, Charles E Harris, Michael SPritchard, andThompson Learning.
- Ethics and the conduct of business, John R Boatright, Pearson education.
- Ethical Choices in Business, R.C. Sekhar, Response Books.
- Business ethics, William Shaw, wordsworth Publishing Company.
- Business Ethics-Concepts and cases, Manual G. Valasquea, Pearson Education.
- Ethics of international Business, Thomas Donaldson, Oxford University Press.
- Business Ethics, Richard T. De George, Mc Millan Publishing.
- Business Ethics, John E. Richardson, Annal Edition.
- Business Ethics, Milton Suoeyenlas, Robert Almeder and James Humber,PromethensBooks.

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Relevant CDs, Movies, Documentaries & Other Literature

1. Value Education Website, http://www.uptu.ac.in
2. .AlGore, An Inconvenient Truth, paramount Classics, USA
3. Charlie Chaplin, Modern Times, United Artists, USA

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The value added course Professional ethics and moral values is divided into 5 modules:-

Time Division for Module:

Modules	Allotted hours of teaching
Module 1	4
Module 2	5
Module 3	5
Module 4	5
Module 5	6
TOTAL HOURS OF STUDY	25

Course Coordinator
1. Dr. Rupal Dubey
2. Kajal Khan

PRINCIPAL
School of Pharmacy & Research
People's University, Bhopal (M.P.)
Principal
SOPR

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SCHOOL OF PHARMACY & RESEARCH

School of Pharmacy & Research, People's University

Value Added courses Examination and Evaluation

The value added course shall carry 50 marks with Internal Assessment and End Semester assessment.

Award list Format:

Internal Assessment (IA):

- The IA will be done by (Multiple Choice question) MCQ.
- The duration of assessment is one hour each.
- IA, the assessment will be done by the Course Teacher.

Internal Assessment (IA)	MCQ	Attendance	Total
	10	05	15

End Semester Examination: will be evaluated by MCQ, assignment and PPT that would be suitable to the course. The break-up of marks will be as follows:

End Semester Examination	MCQ	PPT/Viva Voce	Report	Total
	10	10	15	35

The End Semester Examination will be of one hour's duration and will cover the entire syllabusof the course.

Assessment of Value-added Courses:

Assessment of VACs shall be internal. IA Tests will be conducted during the semester by theindividual course Teacher offering VAC and evaluated by the course Teacher.

Passing Criteria and Grading System: The passing criteria for value added courses shall be50% of the marks obtained in both internal and end semester examination Evaluation of the performance of the student will be rated as shown in the Table.

Grade	Description of Performance	Marks %
A+	Out standing	90 and above
A	Excellent	80-89
B	Very good	70-79
C	Good	60-69
D	Satisfactory	55-59
E	Pass	50-54
F	Fail	Less than 50

Awarding Certificate: Candidates can get a certificate after passing of above said examination.

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SCHOOL OF PHARMACY & RESEARCH

PEOPLE'S
UNIVERSITY

People's University, Bhanpur, By-Pass Road, Bhopal (M.P.)
462037
Phone: 0755 4005238, 4005028

Value Added Course Scientific Writing

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SCHOOL OF PHARMACY & RESEARCH

Value Added CourseScientific Writing

The value-added course Scientific Writing is divided into 5 Modules

Modules	Name of Module
Module 1	Scientific Writing&Guidelines
Module 2	Scientific Literature Search and its Review
Module 3	Scientific Articles
Module 4	Softwares for Article writing
Module 5	Basic Computer skills Using Computer technology

Course Description:

This course aims to demystify the writing process and teach the fundamentals of effective scientific writing. Instruction will focus primarily on the process of writing and publishing scientific manuscripts but grant writing will also be addressed. The course will be presented in different segments: Students learn and practice the conventions for writing scientific material for a variety of audiences. The course will also take a multi-modal approach so that students can also work on presentations and posters, using visuals and graphics effectively to convey their message in the scholarly and public realm, including print and digital publishing sites, adapting the materials and texts as needed to become increasingly sophisticated critical thinkers and writers who can shape material effectively.

These 25 hours lecture course involves writing and research assignments, multimedia presentations through lecture, in-class and on-line searches.

1) Educate students how to write effectively, concisely, and clearly
2) Educate them through the preparation of an actual scientific manuscript.

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3) Student shall learn, the ways to communicate their scientific write-ups.

4) Students taking the class for 2 hours weekly shall be asked to attend a lecture and to complete some short writing and editing exercises, including writing a research paragraph / article and sample of communication letters to the Editor.

Learning goals and Outcomes:

The successful student will demonstrate the ability, to

• Present scientific information in appropriate language for various audiences, including scholarly and general, in print and online.

• Understand the needs of various audiences/readerships and how these needs affect the style, vocabulary, and content of writing.

• Recognize the conventions governing the dissemination of scientific knowledge

• Understand the origins of scientific writing styles

• Write concisely, concretely, and accurately to present complex scientific ideas clearly.

• Expand information literacy (researching primary and secondary sources) for finding, evaluating, integrating and synthesizing ethically the necessary information and visuals for the completion of a project.

• Effectively and ethically incorporate appropriate scientific exhibits (visuals, graphs, charts, etc) for designing presentations and posters, and for supplementing text.

• Workshop and revise text, respond effectively to peers' work in progress and participate in collaborative learning activities.

Course Duration: 18 Hours

Course Schedule: 1 Hours/week

Course Beneficiary: Post Graduate Students (Master of Pharmacy) 3rd Sem

Course Outline: Syllabus

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Syllabus

Module 1: Scientific Writing&Guidelines

Introduction, Role, Types and Importance of Scientific Writing, Various methods of Scientific Writing and communication, Good Publication Practices Documentation Standards.Duties of Author, Guidelines of International Committee of Medical Journal Editors (ICMJE) and other bodies, Guidelines and Checklists of relevant to Article writing in diverse Article fraternities, Publication, Ethics, Journal quality and impact assessment of article.

Module 2: Scientific Literature Search and its Review

Searching the scientific literature, various online library, online search engines (Google Scholar, PubMed, Elsevier etc.), Various ways to read articles, Reviewing and Review writing.

Module 3: Scientific Articles

Overview of scientific articles, Reviews, Research articles, systematic review, meta-analysis, commentary, letter to editor, editorials, etc. Article writing, Exercises and examples, selecting target journal and publisher, Overview process of Article submission, Letter writing to editorial board, Reviewing, Editing and Publishing process.

Module 4: Softwares for Article writing

Introduction of Referencing software, article writing software, and plagiarism software, (Endnote, Mendeley, Microsoft Citation tool, Turnitin, Viper, Plagiarism Checker, etc.) Cross referencing, citation, Various Citation styles and Bibliography. Introduction of other scientific softwares such as Graph Pad (Prism), Chem Draw, Chem Office etc

Module 5: Basic Computer skills Using Computer technology: Basic features of Microsoft Word, Excel and PowerPoint. Formatting (including margins, tabs, indents, justification, etc), Using the table feature, creating tables of content, charts, graphs. Organization and formats for posters using Microsoft PowerPoint, Oral Presentations Designing and preparing slides for an oral presentation Importing tables, charts and

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graphs from Excel, optimizing pictures for use in presentations Using visual aids without overdoing it Using Microsoft PowerPoint.

Time Division for Module:

Modules	Name of Module	Allotted hours of teaching
Module 1	Scientific Writing&Guidelines	5 hours
Module 2	Scientific Literature Search and its Review	5 hours
Module 3	Scientific Articles	5 hours
Module 4	Softwares for Article writing	4 hours
Module 5	Basic Computer skills Using Computer technology	6 hours

Course Coordinator
Atul Tripathi

Principal SOP&R
School of Pharmacy & Research
People's University, Bhopal (M.P.)

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School of Pharmacy & Research, People's University
Value Added courses Examination and Evaluation

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D	Satisfactory	55-59
E	Pass	50-54
F	Fail	Less than 50

Awarding Certificate: Candidates can get a certificate after passing of above said examination

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SCHOOL OF PHARMACY & RESEARCH

PEOPLE'S
UNIVERSITY

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Phone: 0755 4005238, 4005028

Value Added Course: Gender Sensitization

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PEOPLE'S UNIVERSITY
SCHOOL OF PHARMACY & RESEARCH
(Formerly People's Institute of Pharmacy & Research Centre)

(Common to All Branches)

(Code no.)

GENDER SENSITIZATION

(An Activity-based Course)

Objectives of the Course:

- To develop students' sensibility with regard to issues of gender in contemporary India.
- To provide a critical perspective on the socialization of men and women.
- To introduce students to information about some key biological aspects of genders.
- To expose the students to debates on the politics and economics of work.
- To help students reflect critically on gender violence.
- To expose students to more egalitarian interactions between men and women.

Learning Outcomes:

- Students will have developed a better understanding of important issues related to gender in contemporary India.
- Students will be sensitized to basic dimensions of the biological, sociological, psychological and legal aspects of gender. This will be achieved through discussion of materials derived from research, facts, everyday life, literature and film.
- Students will attain a finer grasp of how gender discrimination works in our society and how to counter it.
- Students will acquire insight into the gendered division of labour and its relation to politics and economics.
- Men and women students and professionals will be better equipped to work and live together as equals.
- Students will develop a sense of appreciation of women in all walks of life.
- Through providing accounts of studies and movements as well as the new laws that provide protection and relief to women, the textbook will empower students to understand and respond to gender violence.

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Syllabus

Unit-I: GENDER OVERVIEW

Gender: Why Should We Study It?

Socialization: Making Women, Making Men Introduction, definition, nature and evolution, culture, tradition, historicity, Preparing for Womanhood. Growing up Male. First lessons in Caste. Different Masculinities.

Unit – II: GENDER AND BIOLOGY

Missing Women: Sex Selection and Its Consequences

Declining Sex Ratio. Demographic Consequences.

Gender Spectrum: Beyond the Binary

Biological, Sociological and psychological conditioning, Two or Many? Struggles with Discrimination.

Unit – III: GENDER AND LABOUR

Domestic work: the Invisible Labourand use value

"My Mother doesn't Work." "Share the Load."

Women's Work: Its Politics and Economics

Fact and Fiction. Unrecognized and Unaccounted work. Additional Reading: Wages and Conditions of Work.

Unit – IV: ISSUES OF VIOLENCE

Sexual Harassment: Say No!

Sexual Harassment, not Eve-teasing- Coping with Everyday Harassment- Further Reading: *"Chupulu"*.

Domestic Violence: Speaking Out

Is Home a Safe Place? -When Women Unite [Film]. Rebuilding Lives. Additional Reading: New Forums for Justice.

Thinking about Sexual Violence

Blaming the Victim-"I Fought for my Life." - Additional Reading: The Caste Face of Violence.

Unit – V: GENDER: CO-EXISTENCE

Just Relationships: Being Together as Equals

Gender: emerging issues and challenges Mary Kom and Onler. Love and Acid just do not Mix. Love Letters. Mothers and Fathers. Additional Reading: Rosa Parks-The Brave Heart.

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Essential Reading: **All the Units in the Textbook, "*Towards a World of Equals: A Bilingual Textbook on Gender*" written by A.Suneetha, Uma Bhrugubanda, DuggiralaVasanta, Rama Melkote, VasudhaNagaraj, Asma Rasheed, GoguShyamala, DeepaSreenivas and Susie Tharu.**

Note: Since it is Interdisciplinary Course, Resource Persons can be drawn from the fields of English Literature or Sociology or Political Science or any other qualified faculty who has expertise in this field from engineering departments.

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Reference Books

1. Sen, Amartya. "More than One Million Women are Missing." New York Review of Books 37.20 (20 December 1990). Print. '*We Were Making History...' Life Stories of Women in the Telangana People's Struggle*. New Delhi: Kali for Women, 1989.
2. TriptiLahiri. "By the Numbers: Where Indian Women Work." *Women's Studies Journal* (14 November 2012) Available online at: http:// blogs.wsj.com/ India real time/2012/11/14/by –the-numbers-where-Indan-women-work/>
3. K. Satyanarayana and Susie Tharu (Ed.) Steel Nibs Are Sprouting: New Dalit Writing From South India, Dossier 2: Telugu And Kannada http://harpercollins.co.in/BookDetail.asp?Book_Code=3732
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7. Menon, Nivedita. Seeing like a Feminist.New Delhi: Zubaan-Penguin Books, 2012
8. Jayaprabha, A. "Chupulu (Stares)". *Women Writing in India: 600BC to the Present. Volume II*: The 20th Century Ed. Susie Tharu and K. Lalita. Delhi: Oxford University Press, 1995. 596-597.
9. Javeed, Shayan and AnupamManuhaar. "Women and Wage Discrimination in India: A Critical Analysis." *International Journal of Humanities and Social Science Invention* 2.4(2013)
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12. Jeganathan Pradeep, Partha Chatterjee (Ed). "*Community, Gender and Violence Subaltern Studies XI*". Permanent Black and Ravi Dayal Publishers, New Delhi, 2000
13. K. Kapadia. The *Violence of Development: The Politics of Identity, Gender and Social Inequalities in India.* London: Zed Books, 2002
14. S. Benhabib. *Situating the Self: Gender, Community, and Postmodernism in Contemporary Ethics,* London: Routledge, 1992
15. Virginia Woolf. *A Room of One's Own.* Oxford: Black Swan. 1992.
16. T. Banuri and M. Mahmood, *Just Development: Beyond Adjustment with a Human Face,* Karachi: Oxford University Press, 1997

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Peoples University
SCHOOL OF PHARMACY AND RESEARCH
Gender Sensitization (A Value Added Course)

Target Semester: III Semester Session: July-Dec. 2021
Course & Curriculum: **Gender Sensitization**

MODULE FOR GENDER SENSITIZATION

The Objective of the program:

- To develop students' sensibility with regard to issues of gender in contemporary India.
- To provide a critical perspective on the socialization of men and women.
- To introduce students to information about some key biological aspects of genders.
- To expose the students to debates on the politics and economics of work.
- To help students reflect critically on gender violence.
- To expose students to more egalitarian interactions between men and women.

S. No.	Module	Unit	Topic	Allotted Hours of Teaching
1.	Module I	I	Understanding Gender	5
2.	Module II	II	Gender and Biology	5
3.	Module III	III	Gender and Labour	5
4.	Module IV	IV	Issues of Violence	5
5.	Module V	V	Gender : Co-existence	5
	TOTAL HOURS OF STUDY			25

Job Responsibilities of Gender Sensitization In-charge

- 1. Faculty has to prepare lectures for teaching syllabus.
- 2. Notes/PPT/any relevant material would be provided by faculty.
- 3. Faculty has to prepare question in design pattern for every topic.
- 4. After earning minimum score a certificate of completion would be granted to the student.

Course Coordinator
Rajni Dubey

PRINCIPAL
Principal SOP&R
School of Pharmacy & Research
People's University, Bhopal (M.P.)

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School of Pharmacy & Research, People's University

Value Added courses Examination and Evaluation

The value added course shall carry 50 marks with Internal Assessment and End Semester assessment.

Award list Format:

Internal Assessment (IA):

- The IA will be done by (Multiple Choice question) MCQ.
- The duration of assessment is one hour each.
- IA, the assessment will be done by the Course Teacher

Internal Assessment (IA)	MCQ	Attendance	Total
	10	05	15

End Semester Examination: will be evaluated by MCQ, assignment and PPT that would be suitable to the course. The break-up of marks will be as follows:

End Semester Examination	MCQ	PPT/Viva Voce	Report	Total
	10	10	15	35

The End Semester Examination will be of one hour's duration and will cover the entire syllabus of the course.

Assessment of Value-added Courses:

Assessment of VACs shall be internal. IA Tests will be conducted during the semester by the individual course Teacher offering VAC and evaluated by the course Teacher.

Passing Criteria and Grading System: The passing criteria for value added courses shall be 50% of the marks obtained in both internal and end semester examination Evaluation of the performance of the student will be rated as shown in the Table.

Grade	Description of Performance	Marks %
A+	Out standing	90 and above
A	Excellent	80-89
B	Very good	70-79
C	Good	60-69
D	Satisfactory	55-59
E	Pass	50-54
F	Fail	Less than 50

Awarding Certificate: Candidates can get a certificate after passing of above said examination

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PEOPLE'S COLLEGE OF PARAMEDICAL SCIENCES & RESEARCH CENTRE

PEOPLE'S UNIVERSITY

VALUE ADDED PROGRAM

Brochure on

"BASIC NURSING PROCEDURE" PROGRAM

Preamble

The basic principles and practices of nursing shall be taught in all the UG courses of all courses in People's College of Paramedical Sciences.

The fundamental of Basic Nursing Procedures emphasizes the importance of fundamental needs of human as well as acceptance in basic skills as prerequisites to provide comprehensive care to the patients.It also provides a solid foundation in critical thinking, evidence based practices, and safe clinical care in all settings.

The fundamentals of nursing will also include the activities of daily living and variations of such activities across the life of the students as well as patients. It also helps the students to develop the holistic approach to treat the patients.

Scope of Basic Nursing Procedures

This course will comprehensively achieve course outcome to help the students to enhance their knowledge and improve their skills

- This programme shall unable the students to give the best patient care.
- Students shall able to develop favorable attitudes and habits which are required to treat the patients.
- Students will be able to have the knowledge of first aid treatment.
- Students shall be able to provide assistance to senior medical officers in ICU and emergency care in hospital as well as may be met in the community.

Eligibility Criteria:

All the students of the Institute enrolled in 1st year Undergraduate are eligible for the admission to the course “BASIC NURSING PROCEDURE”.

Attendance:

70% attendance is mandatory in theory/practical classes during the course duration. The students with poor attendance shall be provided with one more chance for tutorial classes.

Examination/ Assessment:

MCQ test shall be conducted at the end of every course. In case the participant is unable to qualify the test in his/her first attempt, he/she will be given two more attempt(s) to appear and qualify the test, within 4 months of the first result. Non attempt of the examination shall also be counted as an attempt. There shall be no separate program and examination fee.

Certification:

The candidate successfully completing the Course shall be awarded a Certificate and/ or Transcript by Peoples College of Paramedical Sciences; certified by the course coordinator and HOI.

Curriculum for Basic Nursing Procedure:

S.NO	TOPIC	OUTCOME	MODE OF EXECUTION	TOTAL HOURS	EVALUATION
01	**History Taking And Assessment On Nursing Prospective.**	➢ The topic entitles the student to be well acquainted, how to take history and assess the patient. ➢ Students are able to apply their knowledge and learn how to build a rapport with the patient.	➢ Theory=02hrs (*Didactic Classes/ppt mode* ➢ Demonstration class=01hrs	03hrs	• Viva-voce • Class test
02	**Bed Making And Positioning**	➢ The student acquires a basic knowledge of how to prepare a bed for a patient and importance of positioning in different conditions.	➢ Theory=1hrs (*Didactic Classes/ ppt mode*) ➢ Demonstration class=01hrs	02hrs	• Viva-voce • Practical
03	**First Aid And Emergency Care. (Basic Life Support)**	➢ The student shall understand to deal with various emergency care. For e g basic life support and advanced cardiac life support in emergency department and ICU care.	➢ Theory=3hrs (*Didactic Classes/ ppt mode*) ➢ Demonstration class=01hrs	04hrs	• Viva-voce • Practical

04	**Infection Control and Disinfection Procedure**	➢ The student knows about the pathophysiology of infection and how to deal with it in general. ➢ It also helps them to minimize the exposure to health care associated in infection . ➢ Students know the rationale for sterilization and disinfection. ➢ They learn the appropriate methods of disinfection.	➢ Theory=1hrs (*Didactic Classes/ ppt mode*) ➢ Class Test=1hr	01hrs	• Viva-voce
05	**Odema Management**	➢ Students are able enough to manage the condition related in which the edema are quite	➢ Theory =01hrs(*Didactic Classes/ ppt mode*) ➢ Demonstration class=01hrs	02hrs	• Viva-voce
06	**Medical routes of administration and procedure**	➢ Students are able enough to learn the routes of administration of drugs e.g subcutaneous, intra-musculular etc.	➢ Theory = 01hrs(*Didactic Classes/ ppt mode*) ➢ Demonstration class=01hrs	02hrs	• Viva-voce
07	**Dermatological and wound care**	➢ Students get the knowledge of various dermatological diseases and how to take care of wounds	➢ Theory = 02hrs(*Didactic Classes/ ppt mode*) ➢ Demonstration class=02hrs	04hrs	• Viva-voce
08	**Intravenous procedure**	➢ Students gain the knowledge of various intravenous procedures related to like how to put the needle into the vein and set the IV line. ➢ They are able to monitor various status and also monitor intake and output for changes in renal function	➢ Theory = 02hrs(*Didactic Classes/ ppt mode*) ➢ Demonstration class=02hrs	04hrs	• Viva-voce

09	**Aspiration procedure (oropharengeal and endotracheal tube)**	➢ Students shall be able to understand procedure for aspiration in oropharengeal and endo-tracheal tube. ➢ They shall be able to maintain the hygienic procedures.	➢ Theory = 01hrs(*Didactic Classes/ ppt mode*) ➢ Demonstration class=01hrs	02hrs	• Viva-voce
10	**Humidification an Nebulization**	➢ Students will be able to use the humidification and nebulization procedures used in various respiratory and cardiac as well as other surgical procedure.	➢ Theory = 02hrs(*Didactic Classes/ ppt mode*) ➢ Demonstration class=01hrs	02hrs	• Viva-voce • Class test
11	**Mechanical ventilator (basics only)**	➢ Students will be able to understand the use of mechanical ventilation as a life support system. Students will be able to understand the working of ventilator and how we can carry out other medical procedure with precautions.	➢ Theory = 01hrs(*Didactic Classes/ ppt mode*) ➢ Demonstration class=01hrs	02hrs	• Viva-voce • Class test
12	**Protective Equipments self Hygiene**	➢ Students are able to understand the Infection prevention and control measures including hand hygiene, personal protection, equipment and proper management of waste.	➢ Theory = 01hrs(*Didactic Classes/ ppt mode*) ➢ Demonstration class=01hrs	02hrs	• Viva-voce
MAXIMUM OF 30 HOURS OF CLASSES SHALL OFFERED TO THE STUDENTS IN A COURSE DURATION					

PRINCIPAL
People's College of Paramedical Sciences & RC, Bhopal

PEOPLE'S UNIVERSITY

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PEOPLE'S COLLEGE OF PARAMEDICAL SCIENCES & RESEARCH CENTRE

BROUSHURE

FUNDAMENTALS OF HOSPITAL MANAGEMENT AND ADMINISTRATION

COURSE DESCRIPTION:

The course aims to develop skills among students to manage, schedule, coordinate and track the provisions of medical and health services .The course is designed for students in order to get them acquainted with basics of hospital administration and management .

The major focus of the course is to develop basic administrative skills for efficient working in their respective fields.

COURSE OBJECTIVE :

The course enables the students to :

- Apply theoretical ideas and materials from this course to resolve problems and develop opportunities in health care.
- Develop their leadership and teambuilding abilities.
- Enhance their alignment with local and national context

DURATION:

16 HRS

ELIGIBILITY :

Any student enrolled in final year of any course offered by Peoples College Of Paramedical Sciences shall be considered eligible for the program .

ATTENDANCE:

100% of attendance shall be mandatory for the certificate of participation .

CERTIFICATE:

The Student who fulfills the coarse criteria shall be awarded with a course completion certificate by the HOI on “ Fundamentals Of Hospital Management and Administration ’’

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The course aims to develop skills among students to manage, schedule, coordinate and track the provisions of medical and health services .The course is designed for students in order to get them acquainted with basics of hospital administration and management .

Syllabus (Duration : 16hrs)

- Hospital environment and health care
- Concept of health and disease
- behavior –Personality development ,Leadership ,Motivation
- Hospital support services
- Material management
- Biomedical waste management
- Health management information system
- Human resource development

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PEOPLE'S COLLEGE OF PARAMEDICAL SCIENCES & RESEARCH CENTRE

BROCHURE FOR FUNDALMENTAL OF ENGLISH LANGUAGE

Course Description

This course emphasizes the fundamental of English language skills of reading, writing, speaking, listening, thinking, viewing and presenting. The underlying theory and instructional model of teaching within the English program is balanced Literacy. This approach provides for essential skills and strategy instructions within the context of meaningful relevant authentic reading, writing and oral language activities and routine. As a program, it is important to prepare our students for the real world and global community. In order to ensure students are ready, functional literacy, instruction will also be provided within the curriculum.

The total duration of the course will be about minimum 16 hours of teaching and learning

. Course Objective

After successful completion of the program the students shall be capable of:

- Improve understanding of English Language.
- Using English effectively for study purpose across the curriculum;
- Understanding of Literature;
- Developing and integrating for mode of language skills i.e. Reading, Listening, Speaking and writing.

Course Duration

The total duration of the course shall be of minimum 26 hours of teaching and learning.

Eligibility

The regular students of the Peoples College of Paramedical Sciences who are enrolled in I year UG program shall be considered for value added program in Fundamental Of English Classes.

Attendance

100% of attendance is necessary for the program to get the awarded participation certificate. Candidate who shall fails to attend the class shall be provided opportunity in the succeeding year to complete their left out topics.

Certification

The candidates successfully completing the course shall be awarded with certificate of participation in “Fundamental of English Language” by Peoples College of Paramedical Sciences; certified by the HOI.

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VALUE ADDED PROGRAM

BROCHURE OF

Study of Enzymes in Myocardial Infraction

COURSE DESCRIPTION

This program provides a basic knowledge of the various enzymes as cardiac marker for Myocardial Infarction and age-related disorders. This program also help to understand basic Concepts relevant to Anatomy, Physiology and Pathophysiology of Myocardial Infarction.

COURSE OBJECTIVES

The objective of this course is as follows:

After successful completion of the program the students shall be capable of :

a. Basic understanding of biochemical properties of cardiac marker
b. They shall able to identify the various cardiac marker in blood
c. They shall able to understand the basic Pathophysiology of Myocardial Infraction

COURSE DURATION

The total duration of the course will be about minimum 18 hours (3hours X 6 days) of teaching and learning.

ELIGIBILITY

Technical experts and those who are in final year in BMLT(Bachelor in Medical Laboratory Technology) program courses shall be eligible for this value added program.

ATTENDENCE

100% of attendance is necessary for the program to get the participation certificate

CERTIFICATION

The candidates successfully completing the course shall be awarded with certificate of participation in “study on Enzymes in Myocardial Infraction” by Peoples College of Paramedical Sciences; certified by the HOI.

PEOPLE'S COLLEGE OF PARAMEDICAL SCIENCES & RESEARCH CENTRE

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VALUE ADDED PROGRAM

BROCHURE FOR "HEALTH PROFESSIONAL ETHICS" PROGRAM

Preamble:

Health Professionals deal with human health and life, and medical ethics. The program deals with ethical norms for the practice of health care or how it ought to be done so the concerns of Health professional ethics are among the most important and consequential in human life.

Health care ethics are important for each person who provides some aspect of health care, from the custodian who cleans a clinic's office to the head of surgery at the most prestigious medical facilities, everyone who provides some aspect of health care needs to understand the ethical responsibilities and limits.

The value added Course in Health professional ethics involves the understanding of the fundamental theories and practice of Code of conduct, Relationship with patient and associates, Documentation and Government Registrations, Healthy practices in Clinical/ Laboratory setups, Responsibilities and Publicity in Health care industries.

Scope of the program:

This course in "Health Professional Ethics" will help the students to enhance their knowledge and to successfully achieve comprehensive insights in following objectives:

- The students shall identify and apply various valuation approaches to Code of conduct and Healthy professional practices.
- Shall enable to understand the techniques for identifying the risks associated with unethical situations and prevention of ethical beaches.
- The program shall promote practice of proper documentation, licensing and/ or registration processes.

Eligibility Criteria:

Regular students of the Institute are eligible for the admission to the course. The students who had successfully entered the final year of UG program with a matured understanding of patient care setup and practices shall be enrolled in the value added program, “Health Professional Ethics”

Attendance:

70% of Attendance is essential in lecture classes to be eligible for the final examination. Candidate who is not able to attend the class will be provided one chance to appear in tutorial classes.

Examination/ Assessment:

MCQs based test on prescribed syllabus covered shall be conducted at the end of every course. In case the participant is unable to qualify the test in his first attempt, he/ she will be given two more attempt (s) to appear and qualify the test, within 4 months of the first result. Non attempt of the examination shall also be counted as an attempt. There shall be no separate program and examination fee.

Credentials:

The candidates successfully completing the program shall be awarded a Certificate and/ or Transcript by Peoples College of Paramedical Sciences; certified by the course coordinator and HOI.

Curriculum for Health Professional Ethics:

S.NO	TOPIC	OUTCOME	MODE OF EXECUTION	TOTAL HOURS	EVALUATION
01	**Scope of Health Ethics, Professional Relationships with patients and colleagues, Health Professional code of conduct**	➢ The topic entitles the student to understand the scope and implementation of code of conduct at health sectors. ➢ To identify and apply various valuation approaches to Code of conduct and Healthy professional practices.	↳ Theory = 05 hrs (*Didactic Classes/ ppt mode*) ↳ Revision class = 01hrs	06hrs	• Viva-voce
02	**Ethical Methods of Publicity, Quality Control, Healthy Lab Practices**	➢ The topic enable to enhance the means and/ or mode publicity and the quality control measures to be adopted in health care industries	↳ Theory = 02 hrs (*Didactic*) ↳ Group Discussions= 01 hrs ↳ Revision class = 01hrs	04 hrs	• Viva-voce • Topic Completion Quiz

03	**Professional Etiquette and Health Ethics Patient Confidentiality and Patient Responsibilities Hospital Acquired infection**	➢ The student shall understand the techniques for identifying the risks associated with unethical situations and prevention of ethical beaches.	↳ Theory = 03hrs (*Didactic/ ppt mode)* ↳ Group Discussions= 01 hrs ↳ Revision class = 01hrs	05 hrs	• Viva-voce
04	**Best Practices during Clinical Postings & Practical, Using Social Media Professionally**	➢ The student shall be executing the professionalism from student life to a health care expert in future.	↳ Theory = 04 hrs (*Didactic Classes*) ↳ Revision class = 01hrs	05 hrs	• Class test • Viva-voce • Topic Completion Quiz
05	**Needs of Documentation, legal Rights of Patients , National Medical-legal norms to moral issues in healthcare**	➢ Student shall be capable of implementing proper documentation, licensing and/ or registration processes, etc in a clinical/ health industry setup	↳ Theory = 04 hrs (*Didactic Classes*) ↳ Revision class = 01hrs	05 hrs	• Viva-voce
Maximum of 25 hours of classes shall offered to the students in a course duration					

PRINCIPAL
People's College of Paramedical Sciences & RC, Bhopal

Date: 02/ 08/ 2017

INSTITUTIONAL RESEARCH COMMITTEE

Institutional code of Ethics

GENERAL ETHICAL PRINCIPLES

All research involving human subjects should be conducted in accordance with three basic ethical principles, namely respect for person, beneficence and justice. The present guidelines are directed at the application of these principles to research involving human subjects.

(A) RESPECT FOR PERSONS includes at least two fundamental ethical considerations, namely

1. Respect for autonomy It includes the idea that an individual is free to choose and to act. Both rational capacity and freedom from constraint are necessary elements. "Respect for persons" includes respecting the decisions of autonomous beings.

2. Protection for those with impaired or diminished autonomy It means a recognition by the commission that these people are not capable of self determination at all times and in all circumstances.

(B) BENEFICENCE – includes the ethical obligation to maximize benefits and minimize harms and wrongs.

(C) JUSTICE – In the ethics of research involving human subjects the principle primarily refers to distributive justice, which means equitable distribution of both burden and the benefits of participation in research.

Institutional code of Ethics

BASIC PRINCIPLES

(Common to all the programs and/or areas of biomedical research)

- All researches on human subjects should be absolutely essential after a due consideration of all alternatives for the advancement of knowledge and human beings (**Principle of Essentiality**).
- The concept of voluntariness and informed consent shall apply to the community as a whole and to each individual member who is subject of research (**Principle of voluntariness and Informed Consent**).
- Irrespective of the socio-economic status and educational levels, research subject should be fully apprised of all risks arising as a result of research (**Principle of Non-exploitation**).
- The identity of records of human subjects of research should be kept confidential and should not be disclosed without valid scientific and legal reasons (**Principle of Privacy and Confidentiality**).
- Due care and caution is taken to ensure that research subjects are put to minimum risks / no irreversible risks (**Principle of Precautions and Risks Minimization**).
- The Research is conducted at all times by the competent and qualified persons (**Principle of Professional Competence**).
- The research is committed in a fair, honest, impartial and transparent manner and records and data are maintained for a reasonable period (**Principle of Accountability and Transparency**).

Continued….

Institutional code of Ethics

BASIC PRINCIPLES

(Common to all the programs and/or areas of biomedical research)

- The research is conducted to benefit all human kind and not just socially better off. (**Principle of Maximization of Public Interest and of Distributive Justice**).
- All institutional arrangements required to be made in respect of research are made in a bonafide and transparent manner and records are properly maintained and preserved. (**Principle of Institutional Arrangements**).
- After due experimentation and due evaluation, results are brought into public domain through scientific and other publications under the law in force at that time (**Principle of Public Domain**).
- It is the responsibilities of all directly and indirectly involved with the research to monitor, review constantly and take remedial action at all stages of research (**Principle of Totality and Responsibility**).
- All persons concerned directly and indirectly should scrupulously observe the laid down rules, guidelines, norms, directions (**Principle of Compliance**).

Brochure for MENTAL HEALTH

Course Description

This course emphasizes the Mental Health ,which includes Controlling our emotions, body language and behavior. Mental health is a state of well-being in which an individual realizes his or her own abilities, can cope with the normal stresses of life, can work productively and is able to make a contribution to his or her community.

Mental health is fundamental to our collective and individual ability as humans to think, emote, interact with each other, earn a living and enjoy life. On this basis, the promotion, protection and restoration of mental health can be regarded as a vital concern of individuals, communities and societies throughout the world

Course Objective

After successful completion of the program the students shall be capable of:

- Better understanding of Mental Health.
- Shall contribute in promoting, protecting and restoration of mental health.
- Understanding and practicing Emotional Intelligence.
- Maintaining of behavior during stress situation.

Course Duration

- The total duration of the course shall be of minimum 16 hours of teaching and learning.

Eligibility

The regular students of the Peoples College of Paramedical Sciences who are enrolled in I year UG program shall be considered for value added program in Mental Health.

Attendance

100% of attendance is necessary for the program to get the awarded participation certificate. Candidate who shall fails to attend the class shall be provided opportunity in the succeeding year to complete their left out topics.

Certification

The candidates successfully completing the course shall be awarded with certificate of participation in “Mental Health” by Peoples College of Paramedical Sciences; certified by the HOI.

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BROCHURE for VALUE-ADDED PROGRAM

ON

NATIONAL SERVICE SCHEME

PREAMBLE

National Service Scheme, Popularly known as NSS is an extension of activities to the higher education system to orient the student youth to community service while they are studying in education institutions. The scheme is under the aegis of Ministry of Youth Affairs & Sports, Govt. of India with its main objective "development of the personality of students through community service." The NSS was formally launched on 24th September, 1969, on the birth centenary year of the Father of the Nation. Therefore, 24 September is celebrated every year as NSS Day with appropriate programmes and activities.

National Service Scheme provides the students an opportunity to understand the community; identify its needs and problems as well as the solutions in which they can be involved by assuming social and civic responsibilities. NSS also provides students with the opportunity to apply their education in finding practical solutions to the problems faced by the individuals and the community at large.

The NSS volunteers generally work in villages, slums and voluntary agencies to complete 120 hours of regular activities during an academic year. As per the fundamental principles of National Service Scheme, a volunteer is expected to remain in constant touch with the community. In doing so, volunteers learn from people in villages how to lead a good life despite a scarcity of resources. The volunteer also provides help in natural and manmade disasters by providing food, clothing and first aid to the disaster victims.

SCOPE OF NSS PROGRAMME

With the motto “Not Me but Thou” reflects the essence of democratic living and upholds the need for self-less service. The followings are the aim and scopes of NSS programme:

- Arousing social consciousness of the students with regards to social awareness and knowledge of social realities
- Understanding the community in which they work and to have concern for the well-being of the community and to engage in constructive social action.
- Developing the needed skills in the exercise of democratic leadership and to help the students with quality development in relation to their community.
- Identifying the needs and problems of the community and involve them in problem solving process.
- Developing youngsters with a sense of social and civic responsibility
- Building up competent volunteers who can utilize their knowledge in finding practical solution to individual and community problem.
- Developing competence required for group-living and sharing of responsibilities with gaining skills in mobilizing community participation.
- To produces responsible citizens with democratic attitude
- Developing capable youths to meet emergencies and natural disasters; and Development of Student’s personality through community service.

Eligibility Criteria

All the bona fide full time students of the People's College of Paramedical Sciences (both boys and girls) are eligible for the enrollment of the Level-1 NSS programme, which is of one year duration. The students who successful complete the Level-1 NSS programme activities shall be consider eligible for the Level-2 programme of one year duration.

ATTENDANCE

It is mandatory for every student to have 70% attendance in lectures and other associated voluntary social activities to be able to participate in the examination. Candidate who is not able to attend the class will be provide done chance to appear in tutorial classes.

EXAMINATION/ ASSESSMENT

MCQ and short answer questions shall be conducted at the end of every course. In case the participant is unable to qualify the test in his/her first attempt, he/she will be given another two chances to appear and qualify the test and exam, within 4 months of the announcement of first result. There shall be no separate program and examination fee.

CERTIFICATION

The candidates successfully completing the Course and the associated voluntary social activities shall be awarded a Certificate and/ or Transcript by Peoples College of Paramedical Sciences; certified by the course coordinator and HOI.

NSS CURRICULM

LEVEL 2					
Sl. No	**Topic**	**Outcomes**	**Mode of Execution**	**Total Hours**	**Evaluation**
01	Vocational skill development And Entrepreneurship	➢ The program successfully enables the students with the core aim of NSS and enhances the employment potential of the NSS volunteers.	Theory = 04 hrs(*Didactic Classes/ ppt mode*) Group Discussion = 2 hrs Practical = 2 hrs Revision Class = 01hrs	09hrs	Viva-voce
02	Youth, Crime And Civil/Self Defense	➢ The volunteers acquire the basic knowledge of sociology and psychological factor influencing youthsin crime. ➢ They also inherit the knowledge of cybercrime and its preventive measures, alongside their self-defense capabilities.	Theory = 02 hrs(*Didactic Classes/ ppt mode*) Group Discussion = 1 hr Practical = 2 hrs Revision Class = 01hrs	06 hrs	• Viva-voce • Project work
03	Resource Mobilization	➢ The volunteers can diversify and expand resources through their reliable independent budget and minimize dependency on others.	Theory = 02 hrs(*Didactic Classes/ ppt mode*) Group Discussion = 1 hr Practical = 2 hrs Revision Class = 01hrs	06 hrs	• Viva-voce • Project work

04	Additional life skills	➢ The volunteers are able to handle negative thought process, stress and depression. ➢ It also enables the volunteers to develop self confidence and self-esteem in their personal life.	Theory = 03hrs (*Didactic Classes/ ppt mode*) Group Discussion = 2 hrs Revision Class = 02hrs	06hrs	Viva-voce
The students are required to attain minimum of 40-60 hours of classes for the successful completion of the course.					

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VALUE ADDED PROGRAM

BROCHURE OF

ESSENTIALS OF BIOSTATISTICS

ESSENTIALS OF BIOSTATISTICS

COURSE DESCRIPTION

The necessity of Essentials of Biostatistics is to impart the knowledge of application of statistics to biomedical and Health sciences. The short term value added program is designed to cover the basic concepts required to understand the collection, summarization, and analysis of data and the interpretation of data in day to day professional practice.

COURSE OBJECTIVES

The objective of this course is as follows:

- Cognitively, the course aims to instill a deep sense of appreciating data and basic statistical skills in order to explore its practical application.
- The student shall become confident in dealing with the statistical data.
- The course intends on imparting basic working knowledge about biostatistics.

COURSE DURATION

The total duration of the course will be minimum 16 hours of teaching and learning.

ELIGIBILITY

Regular students of People's College of Paramedical Science & Research Centre enrolled in final year Under Graduate programs i.e. BPT and BMLT shall be considered for the program.

ATTENDENCE

100% of attendance is necessary for the student to be awarded the participation certificate.

CERTIFICATION

The candidates successfully completing the course shall be awarded a certificate of participation in "Essentials of Biostatistics" by Peoples College of Paramedical Sciences; certified by the HOI.

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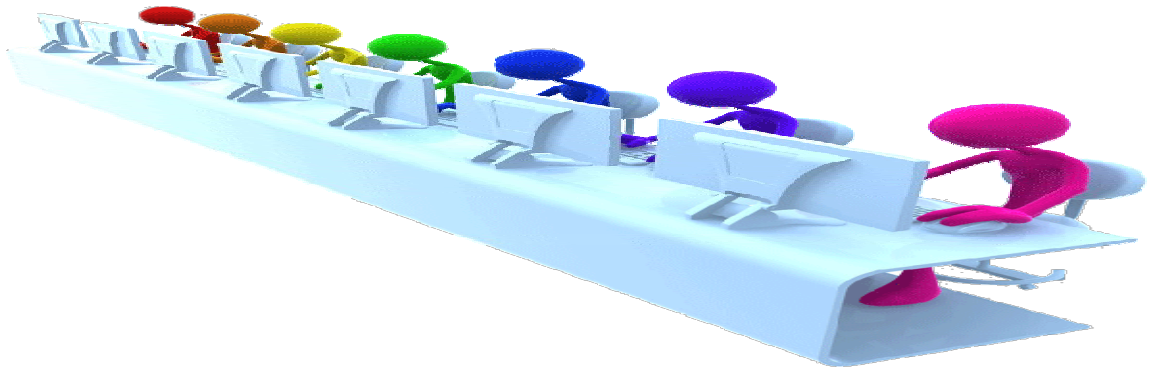

VALUE ADDED PROGRAM

BROCHURE OF

COMPUTING FUNDAMENTALS

COMPUTING FUNDAMENTALS

COURSE DESCRIPTION

The course is designed in order introduce computers to the students and teach them about the basic applications required for regular professional dealings. This also works as a refresher course for those students who already have knowledge about computer. The short term value added program is designed to cover the basic concepts about hardware, accessories and applications that can be used in day to day professional practice.

COURSE OBJECTIVES

The objective of this course is as follows:

- The course intends to make the students well versed with computer functioning for routine use. They will learn about computer hardware, basic functioning, its accessories and basics about MS Office.
- After the completion of the course the students will be able to confidently perform basic works on the computer such as data entry, data compilation, send an email and attach documents to the email.

- The course will also help students to obtain an understanding of advanced computer functions such as statistical analysis, gathering study materials, etc. which are required in health science education.

COURSE DURATION

The total duration of the course will be minimum 24 hours of teaching and learning. (Theory 16 hours, Practical 6 hours)

ELIGIBILITY

Regular students of People's College of Paramedical Science & Research Centre enrolled in final year Under Graduate and Diploma programs i.e. BPT, BMLT, DMLT AND DDT shall be considered for the program.

ATTENDENCE

100% of attendance is necessary for the student to be awarded the participation certificate.

CERTIFICATION

The candidates successfully completing the course shall be awarded a certificate of participation in “Computing Fundamentals” by Peoples College of Paramedical Sciences; certified by the HOI.

PEOPLE'S COLLEGE OF PARAMEDICAL SCIENCES & RESEARCH CENTRE

VALUE ADDED PROGRAM

BROCHURE OF

Geriatric Care: Physiotherapeutic Perspective

COURSE DESCRIPTION

This course provides a basic knowledge of the aging population and age-related disorders. Concepts relevant to pathophysiology, nutrition, psychosocial aspects and general health are emphasized. The students shall be able to learn general concept of geriatric care.

COURSE OBJECTIVES

The objective of this course is as follows:

After successful completion of the program the students shall be capable of:

a. Assessing age related problems of geriatric population.
b. They shall able to assess various physical and psychological issues of geriatric population.
c. They shall able to provide basic care to geriatric population.

COURSE DURATION

The total duration of the course will be about minimum 18 hours (3hours X 6 days) of teaching and learning.

ELIGIBILITY

Health experts and those who are in final year in health program courses shall be eligible for Geriatric Care value added program.

ATTENDENCE

100% of attendance is necessary for the program to get the participation certificate.

CERTIFICATION

The candidates successfully completing the course shall be awarded with certificate of participation in “Geriatric Care” by Peoples College of Paramedical Sciences; certified by the HOI.

PEOPLE'S COLLEGE OF PARAMEDICAL SCIENCES & RESEARCH CENTRE

PEOPLE'S UNIVERSITY

Brochure on

"Effective Communication Skills" PROGRAM

Foundation

Language is the most commonly used medium of self-expression in all spheres of human life – personal, social and professional. A student must have a fair knowledge of English language and skills to communicate effectively to handle the future jobs in industry.

The objective of this subject is to enable the diploma holders to acquire proficiency, both in spoken (oral) and written language.

At the end of the subject, the student will be able to develop comprehension skills, improve vocabulary, use proper grammar, acquire writing skills, correspond with others and enhance skills in spoken English. It is expected that each polytechnic will establish a communication skill laboratory for conducting practical's mentioned in the curriculum.

Eligibility Criteria:

All the regular students of the Institute registered in first year of Undergraduate programs are eligible for the admission to the course English and Communication skills.

Attendance:

70% attendance is mandatory in theory/ Demo classes during the course duration. The students with poor attendance shall be provided with one more chance for tutorial classes.

Examination/ Assessment:

After completion of the program required attendance the student shall under-go Written and/or Viva - play model evaluation by the coordinator where student's attitude related to comprehension skills, improve vocabulary, use proper grammar, acquire writing skills, correspond with others and enhance skills in spoken English..

Certification:

The candidate successfully completing the Course shall be awarded a Certificate and/ or Transcript by Peoples College of Paramedical Sciences; certified by the course coordinator and HOI.

"Effective Communication Skills" PROGRAM

Description: English and Communication skill development

Process: Students shall be introduced to various Theoretical and Practical application of language, social interaction, grammar, writing skills etc.

The program shall help to create a more enriching and effective work environment.

- Lectures, Exercises, Role Plays, Video Recording and Playback
- Verbal & visual discussions Group assessments.
- Presentations, charts, movie clips etc.
- Brain storming sessions
- Group exercises
- Simulation techniques.
- Case studies
- Play Model
- Games on vocabulary, Spoken Skills..
- Use of body language, and assertive communication.

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VALUE ADDED PROGRAM

Brochure on

"Enhancing personnel effectiveness and competitiveness training" PROGRAM

Preamble

Today the world is more complex competitive and demanding than ever before. Due to which the individual gets pressure and stress. Most of the peoples assumes that anyone who holds a degree in hand will possibly sails through the life smoothly

In today's scenario, heath industries expect fresh joinees to require least amount of training or orientation to start functioning and being responsible at the earliest.

On other hand students are unaware of etiquette and industrial strategies apart from the syllabus and/ or bookish knowledge.

Hence this program is aimed to help the students to develop the attitude and to provide a platform to reveal their full potential and to become a confident & successful applicant.

Eligibility Criteria:

All the regular students of the Institute registered in final year of Undergraduate programs are eligible for the admission to the course Enhancing personnel effectiveness and competitiveness training" PROGRAM.

Attendance:

70% attendance is mandatory in theory/ Demo classes during the course duration. The students with poor attendance shall be provided with one more chance for tutorial classes.

Examination/ Assessment:

After completion of the program required attendance the student shall under-go viva- play model evaluation by the coordinator where students attitude related to self-image and social acceptance shall be assessed. In order to preserve a positive self-image, people's responses may be affected by social desirability.

Certification:

The candidate successfully completing the Course shall be awarded a Certificate and/ or Transcript by Peoples College of Paramedical Sciences; certified by the course coordinator and HOI.

"Enhancing personnel effectiveness and competitiveness training" PROGRAM

Description: Health Industry Orientation and skill development

Process: Institution at Attitude plus Consulting Services influence Group Dynamics and Optimize the way people interact with each other.

The program shall help to create a more enriching and effective work environment.

- Lectures, Exercises, Role Plays, Video Recording and Playback
- Verbal & visual discussions Group assessments & competency mapping and SWOT analysis.
- Presentations, charts, movie clips etc.
- Brain storming sessions
- Group exercises
- Simulation techniques
- Case studies
- Psychological counseling
- Emphasis on image empowerment, Power of belief,
- Use of body language, and assertive communication

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MAXIMUM OF 16 HOURS OF CLASSES SHALL OFFERED TO THE STUDENTS IN A COURSE DURATION

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VALUE ADDED PROGRAM

BROCHURE OF

TRANSFUSION –TRANSMISSIBLE INFECTION MONITORING SYSTEM

COURSE DESCRIPTION

This course provides a basic knowledge of hematology and hematological procedures. The students will acquire knowledge about the collection of the blood and its processing. Emphasis will be made on blood transfusion and diseases spread by blood transfusion.

COURSE OBJECTIVES

The objective of this course is as follows:

After successful completion of the program the students shall be capable of:

a. Understanding the concept of blood collection and testing
b. They shall be able to gain knowledge about blood transfusion and its complications.

COURSE DURATION

The total duration of the course will be minimum 18 hours of teaching and learning.

ELIGIBILITY

Technical experts and those who are in final year in BMLT (Bachelors in Medical laboratory Technology) course shall be eligible for the value added program on Transfusion-transmissible infection monitoring system.

ATTENDENCE

100% of attendance is necessary for the student to be awarded the participation certificate.

CERTIFICATION

The candidates successfully completing the course shall be awarded with certificate of participation in “Transfusion-transmissible infection monitoring system” by Peoples College of Paramedical Sciences; certified by the HOI.

VALUE ADDED PROGRAM

Brochure on

YOGA AND WELLNESS

Course Description

This course provides the basic concept of yoga and its usefulness for enhancing mental health. The student will learn about various Yogasanas and their benefits, relaxation of body and mind and its health benefits.

Course Objectives:

After successful completion of the program the students shall be capable of:

- Applying various Yogasanas.
- They shall know the importance of mind-body awareness, self regulation and physical fitness.
- They shall able to explore the concept of mental health and how it can be promoted.

Course Duration:

The total duration of the course will be about minimum 20 hours of teaching and learning.

eligibility:

The regular students of the Peoples College of Paramedical Sciences who are enrolled in II year UG program shall be considered eligible for the value added program on Yoga.

attendance:

100% of attendance is necessary for the program to get participation certificate. Candidate who shall fails to attend the class shall be provided opportunity in the succeeding year to complete their left out topics.

certification:

The candidates successfully completing the course shall be awarded with a certificate of participation in “Yoga and Wellness” by Peoples College of Paramedical Sciences; certified by the HOI.

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VALUE ADDED PROGRAM

BROCHURE on

BASIC LIFE SUPPORT

BASIC LIFE SUPPORT

Course description

Basic life support (BLS) program is designed to provide the students knowledge about ability to recognize several life-threatening emergencies, provide cardiopulmonary resuscitation (CPR) and relieve choking in a safe, timely and effective manner.

This course will help students to built confidence in performing CPR skills and initial rapid assessment of the patient. This will be a very useful program for the students as it can train them to provide necessary emergency medical care to the patient before they are hospitalized for further management.

Course Objective

After successful completion of the program the students shall be capable of:

a. Developing theoretical knowledge based on CPR proceeding.
b. They shall able to assess the emergency situations that indicate CPR procedure.
c. They may able to administrate the CPR and save the lives of the victims.

Course Duration

The total duration of the course will be about minimum 16 hours (3hours X 6 days = 1 week) of teaching and learning.

Eligibility

The regular students of the Peoples College of Paramedical Sciences who are enrolled in II-year UG/Diploma program shall be considered eligible for the value-added program on Basic Life Support.

Attendance

100% of attendance is necessary for the program to get the participation certificate. Candidate who shall fails to attend the class shall be provided opportunity in the succeeding year to complete their left-out topics.

Certification

The candidates successfully completing the course shall be awarded with certificate of participation in “Basic Life Support” by Peoples College of Paramedical Sciences; certified by the HOI.

PEOPLE'S COLLEGE OF PARAMEDICAL SCIENCES & RESEARCH CENTRE

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BROCHURE FOR VALUE-ADDED PROGRAM

ON

NATIONAL SERVICE SCHEME

PREAMBLE

National Service Scheme, Popularly known as NSS is an extension of activities to the higher education system to orient the student youth to community service while they are studying in education institutions. The scheme is under the aegis of Ministry of Youth Affairs & Sports, Govt. of India with its main objective "development of the personality of students through community service." The NSS was formally launched on 24th September, 1969, on the birth centenary year of the Father of the Nation. Therefore, 24 September is celebrated every year as NSS Day with appropriate programmes and activities.

National Service Scheme provides the students an opportunity to understand the community; identify its needs and problems as well as the solutions in which they can be involved by assuming social and civic responsibilities. NSS also provides students with the opportunity to apply their education in finding practical solutions to the problems faced by the individuals and the community at large.

The NSS volunteers generally work in villages, slums and voluntary agencies to complete 120 hours of regular activities during an academic year. As per the fundamental principles of National Service Scheme, a volunteer is expected to remain in constant touch with the community. In doing so, volunteers learn from people in villages how to lead a good life despite a scarcity of resources. The volunteer also provides help in natural and manmade disasters by providing food, clothing and first aid to the disaster victims.

SCOPE OF NSS PROGRAMME

With the motto "Not Me but Thou" reflects the essence of democratic living and upholds the need for self-less service. The followings are the aim and scopes of NSS programme:

- Arousing social consciousness of the students with regards to social awareness and knowledge of social realities
- Understanding the community in which they work and to have concern for the well-being of the community and to engage in constructive social action.
- Developing the needed skills in the exercise of democratic leadership and to help the students with quality development in relation to their community.
- Identifying the needs and problems of the community and involve them in problem solving process.
- Developing youngsters with a sense of social and civic responsibility
- Building up competent volunteers who can utilize their knowledge in finding practical solution to individual and community problem.
- Developing competence required for group-living and sharing of responsibilities with gaining skills in mobilizing community participation.
- To produces responsible citizens with democratic attitude
- Developing capable youths to meet emergencies and natural disasters; and Development of Student's personality through community service.

Eligibility Criteria

All the bona fide full time students of the People's College of Paramedical Sciences (both boys and girls) are eligible for the enrollment of the Level-1 NSS programme, which is of one year duration. The students who successful complete the Level-1 NSS programme activities shall be consider eligible for the Level-2 programme of one year duration.

ATTENDANCE

It is mandatory for every student to have 70% attendance in lectures and other associated voluntary social activities to be able to participate in the examination. Candidate who is not able to attend the class will be provide done chance to appear in tutorial classes.

EXAMINATION/ ASSESSMENT

MCQ and short answer questions shall be conducted at the end of every course. In case the participant is unable to qualify the test in his/her first attempt, he/she will be given another two chances to appear and qualify the test and exam, within 4 months of the announcement of first result. There shall be no separate program and examination fee.

CERTIFICATION

The candidates successfully completing the Course and the associated voluntary social activities shall be awarded a Certificate and/ or Transcript by Peoples College of Paramedical Sciences; certified by the course coordinator and HOI.

NSS CURRICULUM

LEVEL 1					
Sl. No	**Topic**	**Outcomes**	**Mode of Execution**	**Total Hours**	**Evaluation**
01	Basic Concept of NSS Programme and Activities	➢ The students understand the history, aims and objectives of NSS, organizational structure, roles and responsibilities of various NSS functionaries. -	Theory = 02hrs(*Didactic Classes/ ppt mode*) Group Discussion= 1 hr	03hrs	Viva-voce
02	Youth and Community Mobilization	➢ The topic entitles the students understand the concept of regular activities, special camping, day camps, basis of adoption of village/slums, and the methodology of conducting survey.	Theory = 02 hrs(*Didactic Classes/ ppt mode*) Group Discussion = 1 hr Practical = 2 hrs	05hrs	Viva-voce
03	Volunteerism and Shramdan	➢ The students gain the ability to encounter the emerging issues,challenges and opportunities for the welfare of the community as a whole. ➢ Acquired the knowledge to understand youth as an agent of social change and the mapping of community stakeholders.	Theory = 02 hrs(*Didactic Classes/ ppt mode*) Group Discussion = 1 hr Practical = 2 hrs	05hrs	Viva-voce

04	Role of Youth Leadership And Life competencies	➢ The students can utilized their knowledge in finding practical solution to individual and Community problems. ➢ They are competent in making valuable contribution to the Society, besides developing their own personality.	Theory = 02 hrs(*Didactic Classes/ ppt mode*) Group Discussion = 1 hr Practical = 2 hrs Revision Class = 01hrs	06hrs	Test Viva-voce
05	Social Harmony, National Integration And Responsible Citizen	➢ It is an eye opener for the formation of a dynamic and vibrant section of the Society. ➢ The students are able to play their roles in peace building, conflict resolution and nation building.	Theory = 02 hrs(*Didactic Classes/ ppt mode*) Group Dis cussion = 1 hr Practical = 2 hrs Revision Class = 01hrs	06 hrs	Viva-voce
06	Health , Hygiene and Sanitation	➢ It molded the students to be the agent of public health awareness and able to teach others about the concept of hygienic lifestyle and first aid policy.	Theory = 02 hrs(*Didactic Classes/ ppt mode*) Group Discussion = 1 hr Practical = 3 hrs Revision = 1 hr	07 hrs	Test Viva-voce
The students are required to attain minimum of 40-60 hours of classes for the successful completion of the course.					

LEVEL 2					
Sl. No	**Topic**	**Outcomes**	**Mode of Execution**	**Total Hours**	**Evaluation**
01	Vocational skill development And Entrepreneurship	➢ The program successfully enables the students with the core aim of NSS and enhances the employment potential of the NSS volunteers.	Theory = 04 hrs(*Didactic Classes/ ppt mode*) Group Discussion = 2 hrs Practical = 2 hrs Revision Class = 01hrs	09hrs	Viva-voce
02	Youth, Crime And Civil/Self Defense	➢ The volunteers acquire the basic knowledge of sociology and psychological factor influencing youthsin crime. ➢ They also inherit the knowledge of cybercrime and its preventive measures, alongside their self-defense capabilities.	Theory = 02 hrs(*Didactic Classes/ ppt mode*) Group Discussion = 1 hr Practical = 2 hrs Revision Class = 01hrs	06 hrs	• Viva-voce • Project work
03	Resource Mobilization	➢ The volunteers can diversify and expand resources through their reliable independent budget and minimize dependency on others.	Theory = 02 hrs(*Didactic Classes/ ppt mode*) Group Discussion = 1 hr Practical = 2 hrs Revision Class = 01hrs	06 hrs	• Viva-voce • Project work

04	Additional life skills	➢ The volunteers are able to handle negative thought process, stress and depression. ➢ It also enables the volunteers to develop self confidence and self-esteem in their personal life.	Theory = 03hrs (*Didactic Classes/ ppt mode*) Group Discussion = 2 hrs Revision Class = 02hrs	06hrs	Viva-voce
The students are required to attain minimum of 40-60 hours of classes for the successful completion of the course.					

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PEOPLE'S UNIVERSITY

(Established under MP Act 18 of 2011 & Approved u/s 2 (f) of UGC Act 1956)

ISO 9001:2015 Certified

PEOPLE'S COLLEGE OF PARAMEDICAL SCIENCES & RESEARCH CENTRE

VALUE ADDED PROGRAM

BROCHURE FOR "DISASTER MANAGEMENT" PROGRAM

Preamble:

Program of Disaster Management deals to enable students to recognize the increasing vulnerability of the planet in general & India in particular to disasters. Thus, it is expected to create a basis to work towards preparedness & also help us to develop a culture of safety & prevention.

The adoption of a disaster risk reduction perspective in the teaching of the course would be useful. While disasters are generally seen as an outcome of catastrophic natural events. The idea of pre-existing vulnerabilities is equally important. These need to be understood & addressed if disaster impacts are to be minimized .

The value added Course like Disaster management is a highly multidisciplinary subject where in rich contributions have been made by the fields of environment sciences, medicine, sociology, political science, economics, psychology, public administration, and so on.

Scope of the course:

This course will help the students to enhance their knowledge and to successfully achieve the following:

- **Students shall gain a preliminary understanding of approaches of disaster risk reduction (DRR).**
- **To enhance awareness of institutional processes in the country and institutional process & multidisciplinary.**
- **Students shall have to understand the relationship between Vulnerability, disasters, disaster prevention & risk reduction.**
- **To develop rudimentary ability to respond to their surroundings with potential disaster response in areas where they live with due sensitivity.**

Eligibility Criteria:

The regular students of the Institute are eligible for the program. The students who had successfully entered the final year of UG program with a grown understanding of Environmental variation, Natural and Man made Disasters shall be enrolled in the "Disaster Management" program.

Attendance:

70% of attendance is necessary in lecture class to eligible in the examination. Candidate who shall fails to attend the class shall be provided one chance to appear in tutorial classes.

Examination/ Assessment:

MCQs & SAQs (Short answer questions) test shall be conducted at the end of the course. In case the participant is unable to qualify the test in his first attempt, he shall be given two more attempt (s) to appear and qualify the test, within 4 months of the first result. Non attempt of the examination shall also be counted as an attempt. There shall be no separate program and examination fee.

Certification:

The candidates successfully completing the Course shall be awarded a Certificate and/ or Transcript by Peoples College of Paramedical Sciences; certified by the course coordinator and HOI.

Curriculum for Disaster Management:

S. NO	TOPIC	OUTCOME	MODE OF EXECUTION	TOTAL HOURS	EVALUATION
1.	**Introduction to Disasters**	The topic entitles the student to understand the scope & concept of Disaster Hazard, Vulnerability, resilience & Risks .	Theory : 04 hrs (*Didactic classes/ppt Mode)* Revision class : 01 hr	05 hrs	Class Test Viva-voce
2.	**Classification, cause, impacts of Disasters.**	The topic enables to understand social, economic, political, environmental, health, psychological disasters. Differential impacts in terms of gender, age, location, disability, Global trends in disasters, urban disasters, epidemics, complex emergencies, Climate change.	Theory : 04 hrs (*Didactic classes/ppt Mode)* Discussions : 01 hr Revision class : 01 hr	06 hrs	Class Test Viva-voce Topic completion Quiz
3.	**Approaches to Disaster Risk reduction**	The student shall able to understand the Disaster cycle and its analysis, culture of safety, risk identification, prevention, recovery phase, mitigation.	Theory : 04 hrs (*Didactic classes/ppt Mode)* Discussions : 01 hr Revision class : 01 hr	05 hrs	Class Test Topic completion Quiz
4.	**Inter-relationship between Disasters and development**	The student shall understand Factors affecting Vulnerabilities, impact of Development projects	Theory : 03 hr (*Didactic classes/ppt Mode)* Revision class : 01 hr	04 hrs	Class Test Viva-voce Topic completion Quiz
5.	**Disaster Risk management in India**	Student shall understand about hazard and Vulnerability profile of India and component of Disaster Relief.	Theory : 04 hrs (*Didactic classes/ppt Mode)* Discussions : 01 hr Revision class : 01 hr	05 hrs	Class Test Viva-voce

Maximum of 25 hours of classes shall offered to the students in a course duration

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VALUE ADDED PROGRAM

Brochure on

ERGONOMICS INTERVENTION IN WORK RELATED MUSCULOSKELETAL DISORDERS

Course DESCRIPTION:

The short term Value Added program on shall impart the scientific knowledge on ergonomic modification and prevention of various musculoskeletal disorders for workers and for patient groups.

Course Objectives:

- To make understand What & WHY to use ERGONOMICS.
- To describe the elements of ergonomics.
- To elaborate the risk factors on Work related Musculoskeletal Disorders.
- To brief some basic principles of ergonomics.
- To appreciate and discuss the need and limitations of the current state of the art of research and design.

Course OUTCOMES:

- After successful completion, the participants shall have the understanding What & WHY to use ERGONOMICS.
- The participants shall able to reproduce the elements of ergonomics.
- They shall be able to elaborate the risk factors on Work related

Course DURATION :

The total course duration will be of minimum 18 hours (3 hours x 6 days) of teaching and learning.

ELIGIBILITY :

All the students who are enrolled in BPT - IV year or who had completed the Bachelors and Masters in Physiotherapy.

ATTENDANCE :

The participants shall have to complete 100 percentage attendance.

CERTIFICATION :

The candidate successfully completing the course shall be awarded with Certificate of participation in "Ergonomics Intervention in work related Musculoskeletal Disorders" by Peoples College of Paramedical Science and Research Centre; Certified By The HOI .

PEOPLE'S COLLEGE OF PARAMEDICAL SCIENCES & RESEARCH CENTRE

Brochure for

Value Added Program on

"ENVIRONMENTAL STUDIES"

PREAMBLE:

As per Agenda 21, the action plan of United Nations Organization on sustainable development states that "Education, including formal education should be recognized as process by which human being and societies can reach their full potential. It is recognized that education is the most effective means that society possess for tomorrow".

The national policy on education 1986 made environmental education a part of general education at all levels.

Recognizing the central role of education in environmental production, the national policy of education states that "There is a paramount need to create consciousness of the environment. Environmental consciousness should inform teaching in schools and colleges. Environmental education aims at bringing awareness about this relationship between human being and environment and the problems we are facing today because of negative impact. It inculcates habits, values, emotions and attitudes required to maintain and promote quality environment for survival of mankind.

Scope of Programme:

- This course will help the students to enhance their knowledge and to successfully achieve following course outcomes the student:
- Shall explore, appreciate and value their environment.
- Shall connect with their natural and human made environment and understanding dependence on various components of environment.
- Shall develop a holistic understanding of their environment.
- May develop favorable attitudes and habits to protect and preserve our environment.

Eligibility Criteria:

Students of the Institute are eligible for the admission to the course. All the full time students who had enrolled in first year of all the Ug programmes offered in institute shall be eligible for the course “ENVIRONMENTAL STUDIES.”

Attendance:

Attendance of 70% is necessary in lecture to be eligible for the examination. Candidate who is not able to attend the class will be provided one chance to appear in tutorial classes.

Examination/ Assessment:

MCQ test shall be conducted at the end of the course. In case the participant is unable to qualify the test in his/her first attempt, he will be given two more attempt (s) to appear and qualify the test, within 4 months of the first result. Non attempt of the examination shall also be counted as an attempt. There shall be no separate program and /or examination fee.

Certification:

The candidates successfully completing the Course shall be awarded a Certificate and/ or Transcript by Peoples College of Paramedical Sciences; certified by the course coordinator and HOI.

Curriculum for Environmental Studies:

S.NO	TOPIC	OUTCOME	MODE OF EXECUTION	TOTAL HOURS	EVALUATION
01	**Study of environment and ecology.**	➢ The topic entitles the student to understand the components of environment.. ➢ Student is able to apply systems, concepts and methodologies to analyze and understand interaction between social and environmental processes. .	⇨ Theory = 03 hrs (*Didactic Classes/ ppt mode*) ⇨ Revision class= 01hrs	04hrs	• Viva-voce
02	**Environmental and social problems .**	➢ The topic enables the student to get well acquinted with various environmental and social problems they face in day to day scenario.	⇨ Theory = 02 hrs (*Didactic*) ⇨ Group Discussions= 01 hrs ⇨ Revision class= 01hrs	04 hrs	• Viva-voce • Topic Completion Quiz
03	**Environment and social problems.**	➢ The student shall understand to develop methods to deal with various problems like water scarcity.energy problems in cities etc.	⇨ Theory = 03 hrs (*Didactic/ ppt mode)* ⇨ Group Discussions= 01 hrs ⇨ Revision class= 01hrs	05 hrs	• Viva-voce

04	**Role of mankind in conserving natural resources .**	➢ The student understands and evaluates the importance of conservation of various resources like food, land, water etc..	⇨ Theory = 04 hrs (*Didactic Classes*) ⇨ Revision class= 01hrs	05 hrs	• Class test • Viva-voce • Topic Completion Quiz
05	**Environmental conservation laws.**	➢ Student becomes well acquainted with various laws set up by government for environment conservation .	⇨ Theory = 04 hrs (*Didactic Classes*) ⇨ Revision class= 01hrs	04 hrs	• Viva-voce
Maximum of 25 hours of classes shall offered to the students in a course duration					

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SYLLABUS

ERGONOMICS INTERVENTION IN WORK RELATED MUSCULOSKELETAL DISORDERS

COURSE DESCRIPTION:

The short term value added program on shall impart the scientific knowledge on ergonomic modification and prevention of various musculoskeletal disorders for workers and for patient groups. The course duration shall be of minimum 6 working days (3 hours x 6 days = 18 hours).

SYLLABUS :

- **Preamble & Principles of Ergonomics -**
  Introduction and principles of ergonomics.
- **Posture & Introduction of Work Related Musculoskeletal Disorder-**
  Good posture, Poor posture, corrective interventions for various postures and postural awareness.
- **Musculoskeletal conditions in Upper limb -**
  Various postures which lead to various upper limb musculoskeletal problems and their corrective measures.
- **Musculoskeletal conditions in lower limb -**
  Various postures which lead to various lower limb musculoskeletal problems and their corrective measures.
- **Back Care Program -**
  Spinal problems due to poor ergonomics and their prevention and corrective measures.
- **Work Place Modifications -**
  Modifications at the work place to prevent various musculoskeletal conditions.

PEOPLE'S COLLEGE OF PARAMEDICAL SCIENCES & RESEARCH CENTRE

GERIATRIC CARE

Course Description

Geriatric care program is designed to provide an opportunity to explore the basic issues regarding to Geriatric population. The program presents fundamental unique health care need of older population. The course duration shall be of minimum 18 hours of teaching.

SYLLABUS:

- Biological changes: Aging theories, age related change, applied anatomy and physiology
- Nutrition: diet specification, energy need, diet related degenerative change, formulation of diet.
- Common condition: Musculoskeletal disorder, Respiratory disease, Heart disease, Stroke, Anemia, sleep disturbance, vision, hearing, Genitourinary problem
- Psychological health: Personality change, social change, alteration in family and living arrangement, Depression, Coping with psychological change of coping.
- Risk Prevention: NGO for elderly, old age Home, Health promotion
- Counseling: counseling of older person, common problem requiring counseling

Peoples College of Paramedical Sciences

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Course on HEALTH RESEARCH ETHICS

Eligibility:

- Full time Students & Faculties of Peoples College of Paramedical Sciences & Research Center who are enthusiastic in biomedical research activities.

Course Objectives:

- To develop the orientation related to Health Ethics for Student and Faculties for Research.
- To be able to describe and apply theories and methods in ethics and research ethics.
- To attain an outline of significant issues in health research ethics, like responsibility for research, ethical vetting, and scientific misconduct.
- To acquire skills of presenting arguments and results of ethical inquiries.

Course content

- **Introduction to ethics and health research ethics**. Overview of theories and methods in ethics and research ethics.
- **Principles of Ethics**. Practices & procedurs at the institutional level.
- **How to handle data.** The meaning of secrecy and confidentiality.
- **Good research practice, research integrity and scientific misconduct**. Criteria and principles for good research practice. Meaning of scientific misconduct and fraud. Cases and procedures for establishing misconduct, preventions and sanctions.
- **Responsibility for the results of research**. Responsibility for research and the results and consequences of research. The limits of responsibility. Risks and the precautionary principle.
- **Ethical vetting of research.** Different kinds of vetting of research, procedures and ethical principles guiding research on human beings and animals.

SYLLABUS OF FUNDAMENTAL OF ENGLISH

COURSE DESCRIPTION - This course emphasizes the fundamental of English language skills of reading, writing, speaking, listening, thinking, viewing and presenting. The underlying theory and instructional model of teaching within the English program is balanced Literacy. This approach provides for essential skills and strategy instructions within the context of meaningful relevant authentic reading, writing and oral language activities and routine. As a program, it is important to prepare our students for the real world and global community. In order to ensure students are ready, functional literacy, instruction will also be provided within the curriculum.

- The total duration of the course will be about minimum 26 hours of teaching and learning

SYLLABUS

1. Introduction of English Language
2. Grammar and Vocabulary Tenses
3. Multiple Meaning
4. Language and Linguistic
5. Active Passive voices
6. Synonyms And Antonyms
7. Para Jumbles
8. Word Association/Vocabulary
9. Comprehension
10. Word Formation
11. Types Of Sentences
12. Passage Writing
13. Vocabulary/Word Association
14. Sentence Completion
15. Conditional Clause
16. Reading Skills

Study of Enzymes in Myocardial Infraction

Course description

This program is designed to provide an opportunity to explore the essential knowledge of enzymes and the role of enzymes in myocardial infarction. The program content fundamental mechanism and identification of various enzymes. The course duration shall be minimum 18 hours of teaching.

SYLLABUS:

- Enzyme: Introduction, Properties and Classification
- Mechanism of Action of Enzyme: Enzyme Reaction, Enzyme substrate complex
- Enzyme Inhibition: competitive inhibitors, non-competitive Inhibitors, uncompetitive Inhibitors
- Myocardial Infraction: Basic Anatomy, Physiology, causes, Pathophysiology, Clinical Manifestation
- Cardiac Biomarkers: Ck-MB, cTnl, cTnl, cTnT, H-FABP, IMA, MYOGLOBIN
- Diagnostic Enzymology: Basic Concept for Diagnostic Enzymology, Enzymology Assay Procedure,

SYLLABUS OF MENTAL HEALTH

Course Description

This course emphasizes the Mental Health, which includes Controlling our emotions, body language and behavior. Mental health is a state of well-being in which an individual realizes his or her own abilities, can cope with the normal stresses of life, can work productively and is able to make a contribution to his or her community.

Mental health is fundamental to our collective and individual ability as humans to think, emote, interact with each other, earn a living and enjoy life. On this basis, the promotion, protection and restoration of mental health can be regarded as a vital concern of individuals, communities and societies throughout the world

Syllabus

Mental Health

Min hours of study - 20 Hrs

1. Basic key concept of mental health
2. Self-assessment of mental health status
3. Stress management and relaxation technique
4. Prevention and management of anxiety and depression
5. Exercises for mental health
6. Self motivation
7. Self care
8. Community mental health
9. Influence of family, peer group and culture on mental health
10. Work-life balance

FUNDAMENTALS OF NATIONAL SERVICE SCHEME SYLLABUS

SNO.	TOPIC
1	History, Philosophy, and Objectivies
2	Emblem flag motto and song
3	Organisational structure roles and responsibilities
4	Positive Thinking
5	Basis of adoptation of Village slumbs
6	Survey and methedology of conducting survey
7	Financial patern of NSS
8	Other youth programmes and scheme of Gov of India
9	Co-ordination with different agencies
10	Maintance of the dairies
11	Defination , catagories and profile of Youth
12	Issues challenges and oppurtunities of Youth
13	Youth as an agent of social change
14	Mapping of community stake holders
15	Designing the message in the context of problem and community
16	Identifying methods of moblisation (Community)
17	India History and culture
18	Citizenship
19	GENDER JUSTICE
20	Motivation and constrains of volunterism
21	Shramdan as a part of volenterism
22	Meaninig and types of Leaderships
23	Definationa and importance of life competencies

NATIONAL SERVICE SCHEME AND SOCIAL VALUES SYLLABUS

SNO.	TOPIC
1	Enviornamental Conseravtion
2	Climate Change
3	Waste Management
4	Natural Resource management
5	Enterpreneuship
6	Youth and crime
7	Management of Stress and Time 13/07/2021
8	Role of financal and support services
9	Sociological and psychology factors influencing Youth crime
10	Awareness of Antiragginf cyber crime and prevention
11	Civil Defence Servises - AIIMS and Objectives
12	Needs of self defensing training
13	Writing a project proposal
14	Establisment of SFUs
15	Selfconfidence and self esteam
16	Setting life goals and working to achieve them
17	Management of Stress and Time

VALUE ADDED PROGRAM

SYLLABUS OF ESSENTIALS OF BIOSTATISTICS

COURSE DESCRIPTION

The necessity of Essentials of Biostatistics is to impart the knowledge of application of statistics to biomedical and Health sciences. The short term value added program is designed to cover the basic concepts required to understand the collection, summarization, and analysis of data and the interpretation of data in day to day professional practice.

The value added course aims to instill a deep sense of appreciating data and basic statistical skills in order to explore its practical application. From this value added course, the student shall become confident in dealing with the statistical data, and have the basic working knowledge about the biostatistics. The course intends to provide foundation for further studying and performing analysis of the data collected. The total duration of the course will be minimum 16 hours of teaching and learning.

SYLLABUS

1. Introduction:
   - Uses of statistical methods
   - Measurement scales
   - Symbolic data
   - Variables & their managements
2. Basic Statistics:
   - Measurement of average
   - Mean, Median, Mode
   - Standard Deviation (SD) & Standard error
3. Diagrammatic & Graphic representation of Data
4. Sampling:
   - Population & Samples
   - Sampling methods
   - Sampling distribution

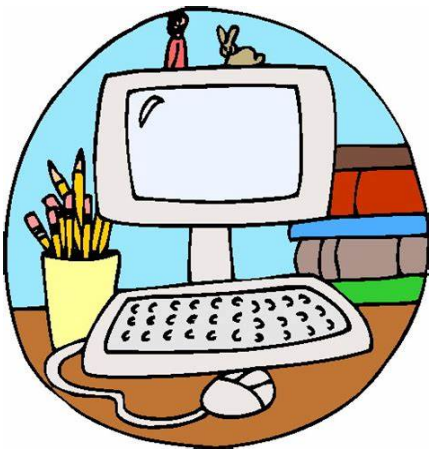
VALUE ADDED PROGRAM

SYLLABUS OF COMPUTING FUNDAMENTALS

COURSE DESCRIPTION

The course is designed in order introduce computers to the students and teach them about the basic applications required for regular professional dealings. This also works as a refresher course for those students who already have knowledge about computer. The short term value added program is designed to cover the basic concepts about hardware, accessories and applications that can be used in day to day professional practice.

The course intends to make the students well versed with computer functioning for routine use. They will learn about computer hardware, basic functioning, its accessories and basics about MS Office. After the completion of the course the students will be able to confidently perform basic works on the computer such as data entry, data compilation, send an email and attach documents to the email.



SYLLABUS

1. INTRODUCTION TO COMPUTERS
   - Scope of Computers
   - Fundamentals of computers (Parts of computers including accessories, Installation & basic operations)
   - Basics: Creating files and folders, data Transfer, running audio and video files.
     Anti-virus: Uses & types

2. MICROSOFT WORD (MS WORD)
   - Creating a Word File: Spacing, Delete, forward, typing, on to, short keys, shortcuts, etc.
   - Paragraphing
   - Inserting pictures, tables and other files.
   - Special features: Picture editing, watermark, smart art, header-footer, etc.

3. MS POWERPOINT
   - Creating a Powerpoint presentation: Spacing, Delete, forward, typing, on to, short keys, shortcuts, etc.
   - Paragraphing
   - Inserting pictures, tables and other files.
   - Special features: Picture editing, watermark, smart art, header-footer, etc.

4. MS EXCEL
   - Creating an excel file: Formatting, Editing, correction, etc.
   - Using calculations and formulae.

- Synchronizing, Inserting and multiple access in a single file.
- Keyword table, data segregation.

5. INTERNET ACCESS
   - Scope: type of browsers, searching and its options.
   - Accessing YouTube and other social media websites, downloading and uploading, registrations, email access, copy pasting data.
   - Cloud

6. ACCESSORIES
   - Printer, external hard drive, CD, pendrives, LCD projectors, audio systems, Bluetooth devices, OTG cables.

Transfusion- Transmissible Infection Monitoring system

Course description

This course provides a basic knowledge of hematology and hematological procedures. The students will acquire knowledge about the collection of the blood and its processing. Emphasis will be made on blood transfusion and diseases spread by blood transfusion. The course duration shall be of minimum 18 hours of teaching.

SYLLABUS:

- Basic Concepts: Principles of immunoglobulin's, antigen, antibody, compliment activation pathways, antibody reaction and factors affecting the transfusion
- Blood collection and processing
- Transfusion: Practical implication in clinical medicine.
- Transfusion transmission disease: Viral Hepatitis, HAV, HAB, Non A Non B Hepatitis, Malaria, Syphilis, Human T cell Lyphotrophic virus

SYLLABUS

YOGA AND WELLNESS

COURSE DESCRIPTION :

This course provides the basic concept of yoga and its usefulness for enhancing mental health. The student will learn about various Yogasanas and their benefits, relaxation of body and mind and its health benefits and concept of mental health. The total duration of the course will be about minimum 20 hours of teaching and learning.

SYLLABUS:

- Introduction to Yoga.
- Yogasanas and their health benefits.
- Psycho-physiological aspects yoga procedures.
- Pranayama.
- Meditation.
- Various therapeutic aspects of yoga.
- Application of Yogasana in physical fitness, flexibility, cardio respiratory rehabilitation.
- Scientific studies of asanas, need for research.

Basic Life Support

Course Description

Basic life support (BLS) program is designed to provide the students knowledge about ability to recognize several life threatening emergencies, provide cardiopulmonary resuscitation (CPR) and relieve choking in a safe, timely and effective manner.

This course will help students to built confidence in performing CPR skills and initial rapid assessment of the patient. This will be a very useful program for the students as it can train them to provide necessary emergency first care to the patient before they are hospitalized for further management. The course duration shall last for about minimum of 16 hours of teaching and learning.

Syllabus

1. General concepts of basic life support: Initiating chain of survival

2. Recent guidelines for basic life support

3. Overview of phases of resuscitation

4. CPR procedure: Recognition of cardiac arrest, Chest compressions, Ventilations, Pulse check and rhythm analysis

5. Choking relief maneuver

6. Basic life support for children: One and two rescuer CPR for children.

7. Basic life support for infants: One and two rescuer CPR for infants

DEPARTMENT OF PAEDODONTICS AND PREVENTIVE DENTISTRY

People's College Of Dental Sciences and Research Centre

Continuing Dental Education & Hands on

Conscious Sedation *(Module 2)*

Date-2nd & 3rd February 2021

6 CDE points for lecture

12 CDE points for lecture & hands on

Venue- People's College of Dental Sciences and Research Centre Bhopal M.P

SPEAKERS

Dr. Kunal Gupta

Dr. Kunal Gupta completed his masters in Pediatric Dentistry from Manipal University in 2004. He also attended a summer school at University of Washington on “Dental clinical research methods” in 2005. He pursued his career as a faculty in few dental colleges in NCR from 2004. In 2011, he established technologically advanced pediatric dental center called Children’s Dental Center, Gurugram, as a branch of Seoul’s Children’s Dental Center. He started practicing inhalation sedation at this center since 2011. This was the first centre in the country where nitrous oxide has been used routinely in pediatric dental practice and two nitrous oxide units being used simultaneously on daily basis

Dr. Radhika Muppa

Dr. Radhika Muppa completed masters in paediatric dentistry from Manipal College of Dental Sciences, Manipal, India in 1997.Presesntly she is working as a Professor in Department of Paediatric & Preventive Dentistry in Dr Sudha & Nageswara Rao Siddhartha Institute of Dental Sciences, Chinoutpalli, Andhra Pradesh and Academic senate member of Dr. NTR, Vijayawada, AP. She has worked as Professor & HOD in Department of Pediatric dentistry in Panineeya Institute of Dental Science, Hyderabad. She had started Bala Danta Suraksha - a start up initiative with IDA for "Oral Health for All" in primary school children of Vijayawada municipality. she has numerous national and international publications and research papers

Dr. Anshula Deshpande

Prof. Anshula Deshpande has completed her BDS and MDS from Manipal University**.** She is working as professor in Dept. of Paediatric and Preventive Dentistry K.M.Shah Dental College & Hospital Sumandeep Vidyapeeth Vadodara, INDIA. She was awarded Vidya Tandon memorial Gold Meda**l** in 2004, Manipal University. Awarded internationally through International Association of Dental Research/Colgate “Research in Prevention Award 2006” (Only one from Asia**)** at 85th General Meeting of IADR at New Orleans, Lousiana, USA in 2007.She has more than 80 publications in National and International Journals and 8 text book contributions.

ORGANIZING COMMITTEE

CHIEF PATRON

Shri Suresh N. Vijaywargia
(Chancellor, People's University)

CO-CHIEF PATRON

Ms. Neha Vijaywargia.
(Director , People's University)
Mr. Rohit Pandit.
(Director , People's University)

PATRON

Dr. Rajesh Kapur
(Vice Chancellor
People's University)

ADVISOR

Dr. V.K. Pandya
(Director Academics
People's University)

Mr Akhilesh Mittal
(Dean , Academics)

Dr. Neerja Mallick
(Registrar ,
People's University)

Dr. Parimala Kulkarni
(Dean , PCDS & RC)

ORGANIZING CHAIRPERSON

Dr. Parimala Kulkarni
Dean, Professor & Head

ORGANIZING SECRETARY

Dr. Nikita Agrawal
Dr. Shilpi Tiwari

JOINT SECRETARY

Dr. Shikha Mali

TREASURER

Dr. Saurabh Kale
Dr. Anup Kumar

COORDINATORS

Dr. Ankur Jain
(Prof & Head, People's Dental
Academy , Bhopal)

HOSPITALITY

Dr. Anushree Maheshwari
Dr. Monika

Scientific Committee

Dr. Barkha Chhattani

Dr. Nidhi Singh Thakur

Dr. Jyoti Raghuvanshi

Dr. Umang Akhani

Dr. Sanjana Bhargava

Dr. Saumya Rathi

Dr. Jinu Mary Abraham

Dr. Nandani Jaiswal

SCHEDULE FOR THE PROGRAM

DAY 1 –Didactic Training on inhalation Sedation	2nd Feb
Inauguration followed by Breakfast	10.00 am – 11.30 am
Lecture 1	11.30 am – 1.30 pm
Lunch	1:30 pm - 2.00 pm
Lecture 2	2.15pm- 3.15pm
Lecture 3	3.30pm- 4.30pm

VENUE- PCMS small Auditorium

Day 2 – Clinical observation and training of patients	3rd Feb
Live demonstration /Hands-on (Followed by breakfast & Lunch)	9am – 5pm

VENUE- Department of Pediatric dentistry PCDS

REGISTRATION DETAILS

Lecture + Hands-on	4000/-
Lecture (inc breakfast)	500 /-
Lecture(inc. breakfast + lunch)	800/-

PAY to Dr. UMANG AKHANI - 8770340318
(available on google pay & Phone pay)

Certificate on Basics of Comprehensive Advanced Dentistry

People's University

(A NAAC Accredited University)

People's college of Dental Sciences and Research Centre

(An ISO 9008:2017 Certified)
Constituent Unit of People's University
(Recognized by Ministry of Health and Family Welfare, Government of India
Dental Council of India (DCI), New Delhi)

"Our **VISION** is to become the most admired dental institute in India with aims of global leadership in human development, excellence in dental education and oral health care."

"Our **MISSION** is to provide world class dental education through values such as integrity, transparency, quality, team work, execution with passion and human touch. To bring dental health services of International standards within the reach of every individual by establishing a state of the art, multidisciplinary hospital. To improve the oral health status of rural and urban population in and around Central India through addressing primary health care issues and amelioration of risk factors. To be a preferable destination for providing dental health services to international patients, becoming a major center of Indian dental tourism industry."

About

People's College of Dental Sciences & Research Center

PCDS is an integral part of the Peoples University, established in the Year 2002, the institution has evolved as an undisputable leader in the field of Dental Education, Research. At PCDS, education is designed to empower you to earn yourself a profession, a career, and an edge to make you stand apart in the crowd. PCDS strives to make studying an enriching experience for its students. PCDS is a confluence of faculty eager to deliver, innovative pedagogy with a clinically oriented curriculum in a conducive infrastructure and an ambient environment. Our Strategic Objectives include:

- Learning with understanding
- Establishing accountable excellence in all fields of academic and research
- Retaining a distinguished faculty with high academic credentials and talent
- Offering students world-class education and research opportunities at affordable cost that enhances their knowledge and skills
- Developing the holistic personality of students to hone their employability skills
- Ensuring a flexible and sustainable environment that fosters life-long learning for faculty, staff and students.

Certificate on Basics of Comprehensive Advanced Dentistry

A LIMITED SEAT 20-day structured programme with emphasis on recent advances in dental sciences, with amalgamation of theoretical base and clinical skill enhancement.

Course Fee: 5000 INR

Contact Email: pcdsofficial01@gmail.com

Commencement of the course: Thursday, February 4, 2021

Eligibility: Inters, Post-BDS, Clinicians

Course Content

1. Basics of interpretation of IOPA & OPG
2. Understanding of Cone beam CT technology
3. Interpretation of CBCT
4. Basics of RCT for posterior teeth
5. Basics of rotary endodontics
6. Micro-endodontics & magnification in dentistry (demonstration)
7. Basics of Dental Implantology (Pre-clinical demonstration)
8. Principals of Complex Exodontia and Minor oral surgery
9. Demonstration of Impaction Surgery
10. Intra-oral biopsy (surgical demonstration) and referral to the oral pathologist
11. Clinical management of a Paediatric Dental Patient
12. Demonstration of ART & and glass ionomer restorations for paediatric patients
13. Basics of Conscious Sedation
14. Art of taking elastomeric impressions
15. Cast Partial Dentures – Principals, Indication and Demonstration
16. Interceptive Orthodontics and removable orthodontics appliances (Indication & demonstration)
17. Guided tissue regeneration (for periodontal defects - demonstration)
18. Application of Lasers in Dentistry (demonstration)
19. Basic Life Support and Management of Emergencies in Dental office

CHIEF PATRON

Shri Suresh N.Vijaywargia

(Chancellor, People's University)

CO-CHIEF PATRON

Ms. Neha Vijaywargia

(Director, People's Group)

Mr. Rohit Pandit

(Managing Director, People's Group)

PATRON

Dr. Rajesh Kapur

(Vice Chancellor, People's University)

UNIVERSITY ADVISOR

Dr.V. K. Pandya

(Director Academics, People's University)

Dr. Neerja Mallick

(Registrar, People's University)

Program Chairman: Dr. Parimala Tyagi, Dean People's College of Dental Sciences & Research Centre, Bhopal, India

Co-ordinators:

Dr. Darpan Bhargava (Contact: 9179300602)

Dr. Trilok Shrivastava (Contact: 8827006364)

Dr. Santosh Singh (Contact: 8085194083)

Dr. Gaurav Beohar (Contact: 9981108067)

Dr. Nikita Agarwal (Contact: 9826531777)

Advisors:

1. Dr. Swapnil Parlani
2. Dr. Subhangi Maske
3. Dr. Preeti Nair
4. Dr. Shaji Thomas
5. Dr. Veena Kalburgi
6. Dr. Manish Agarwal
7. Dr. S. Sahana

Payment remittance details:

Name: PEOPLE'S COLLEGE OF DENTAL SCIENCES & RC

Account No. 409605000328

Bank ICICI Bank Ltd.

IFSC Code: ICICI0004096

Branch: PEOPLES MALL

Kindly confirm the remittance of the payment by emailing the receipt to: pcdsofficial01@gmail.com

For queries and suggestions contact: Dr. Darpan Bhargava (+91 9179300602)

Certificate on Basics of Comprehensive Advanced Dentistry

S.No	Module	Module Chairman
1.	Introduction to the Course	Dr. Parimala Tyagi (Dean, PCDS&RC)
2.	Basics of interpretation of IOPA & OPG	Dr. Sivakumar G C
3.	Understanding of Cone beam CT technology	Dr. Prashant Jaju
4.	Interpretation of CBCT	Dr. Prashant Jaju
5.	Advanced head and neck imaging (CT, MRI, Ultrasonography)	Dr. Preeti Nair
6.	Amalgamating surgical and radiological anatomy	Dr. Darpan Bhargava
7.	Basics of RCT for posterior teeth	Dr. Pankaj Mishra Dr. Sushil Kishnani
8.	Basics of rotary endodontics	Dr. Santosh Singh
9.	Micro-endodontics & magnification in dentistry (demonstration)	Dr. Manish Agarwal Dr. Santosh Singh
10.	Basics of Dental Implantology (Pre-clinical demonstration)	Dr. Swapnil Parlani Dr. Gaurav Beohar
11.	Principals of Complex Exodontia and Minor oral surgery	Dr. Shaji Thomas Dr. Sabhrant Singh
12.	Demonstration of Impaction Surgery/ Transalveolar extractions	Dr. Darpan Bhargava Dr. Ashutosh Pathak
13.	Intra-oral biopsy (surgical demonstration) and referral to the oral pathologist	Dr. Shubhangi Maske Dr. Monal Dr. Ami
14.	Clinical management of a Paediatric Dental Patient	Dr. Nikita Agarwal

15.	Demonstration of ART & and glass ionomer restorations for paediatric patients	Dr. Shikha Mali
16.	Basics of Conscious Sedation	Dr. Parimala Tyagi Dr. Kunal Gupta (Online)
17.	Art of taking elastomeric impressions	Dr. Shreyansh Damade
18.	Cast Partial Dentures – Principals, Indication and Demonstration	Dr. Swapnil Parlani Dr. Nimit Jain
19.	Interceptive Orthodontics and removable orthodontics appliances (Indication & demonstration)	Dr. Trilok Shrivastava Dr. Akbar Ali
20.	Guided tissue regeneration (for periodontal defects - demonstration)	Dr. Sumedha Shrivastava Dr. Khushboo Desai (Online)
21.	Application of Lasers in Dentistry (demonstration)	Dr. Veena Kalburgi Dr. Kapil Jain Dr. Gaurav Beohar
22.	Basic Life Support	Dr. Shaji Thomas
23.	Importance of Community Dentistry for the community	Dr. Sahana S
24.	Community dentist as a field worker	Dr. Arpan Shrivastava
25.	Surgical Oral Pathology (Oral Pathologist, an aid to maxillofacial surgery)	Dr. Einstein A
26.	Beyond being a community dentist	Dr. Ashna Dhingra
27.	Management of Emergencies in Dental office	Dr. Darpan Bhargava

VALUE ADDED COURSE

PEOPLE' S DENTAL ACADEMY

DISASTER MANAGEMENT TRAINING PROGRAMME

Course Brochure

DRRM
DISASTER
RISK
REDUCTION
MANAGEMENT

About People's Dental Academy

People's Dental Academy is a premier institute, centre of excellence and learning in the field of disaster management. It is a resource institution for human resource development, training, capacity building, applied research, implementation and dissemination of information and theoretical knowledge to case study based practitioners approach for holistic disaster management. The institute works towards the effective application of disaster risk mitigation and management as well as in the region by providing technical assistance for capacity building and developing disaster management systems and institutional framework in the sector. Some of the key areas in which the institute is involved are:

- **Training:** Training programs, training workshops, and training of trainers for officials at the national, state and district levels to prepare them to tackle natural disasters.

- **Research:** Issues, concerns and lacunae in management of disasters, Lessons learnt from past disasters and best practices in Disaster Management.

- **Documentation:** Disaster events, Impact of disasters, Situational analysis of relief and response measures, creation of database through primary surveys and secondary sources, preparation of brochures, pamphlets, posters, films etc.

ABOUT THE COURSE

LOGISTICS

Programme Venue

The programme will be organized at People's Dental Academy. The training programme will start on dd/mm/yyyy

Target Group:

This training programmes invites applications from interns and faculty members.

Course Fee:

The Registration/nomination is free for the participants.

Course duration:

The programme will be conducted for 6 months (30 hrs)

ACADEMIC

Objectives: The key objectives are as follows:

- To provide the participants about the concepts of disaster management and an overview on approaches & pathways of DRR.
- To enhance understanding concerning the nature, extent of the threats and the value of counter measures to combat the adverse impact of disasters.
- To give an overview on various structural and non-structural measures for preparedness.
- To develop administrative capabilities to plan and implement disaster resilience for a safe national sustainable development w.r.t. DRR

Course Contents: The contents of the course would cover the following aspects, to achieve the objectives:

- Basic Concepts of Disaster Management and Disaster Risk Reduction in Management in changing scenario of climate and environment in India
- Role of Strategic preparedness tools in management of disaster and its National Guidelines
- Health aspects related to disasters and managing it for risk reduction.
- Mitigation measures in India - Structural and Non- structural aspects of flood
- Search & Rescue operation & Incident Response System
- Disaster Resilient structures for its Mitigation
- Experience sharing & Challenges ahead based on initiatives taken by the stakeholders & lessons learnt on disaster management

Methodology

Power point presentations, discussions, exercises with question/ answer, live demonstrations

Attendance & Certificate

 Marking attendance Forenoon and Afternoon is compulsory for certification. A certificate will be awarded to each participant on the successful completion of the programme.

PEOPLES DENTAL ACADEMY

DISASTER MANAGEMENT CLASES FOR INTERNSHIP

FOR INTERNSHIP (NOV 2017 TO JULY 2018)

CLASS TIMING: 12:00 PM TO 1:00 PM

S no.	TOPIC
1	Introduction to disaster management
2	Classification of DM
3	Concept and definition of disaster vulnerability and risk
4	Disaster Hazards of India
5	Global trends in DM
6	Disaster cycle and its phases
7	Urban disaster
8	Complex emergencies in DM
9	Relevance in indigenous knowledge in DM
10	Response prepareness in DM
11	Start concept—A race against time
12	Social; impact causes and classification in DM
13	Economic impact and classification in DM
14	Political impact causes and classification of DM
15	Environmental effect causes and classification in Dm
16	Health impact causes and classification in DM
17	Pshycological impact causes and classification in DM
18	Analysis of disaster cycle
19	Factors affecting DM
20	Roles and responsibility of stake holder in DM
21	Plan in disaster risk management
22	Roles and responsibility of State Government
23	Role and responsibility of central government in DM
24	Roles and responsibility of urban local body in DM
25	Institutional arrangement in disaster mitigation

PEOPLE'S UNIVERSITY, BHOPAL

Programme :

Subject: English Language

Duration of Theory:

Course objective: This course intends to impart practical training in the use of English language for communicative purpose. It also aims to develop students' personality through language and focus on the receptive and productive use of language.

UNITS	CONTENTS
I	**Grammar**: Fundamentals of English grammar- Parts of speech, Tenses, Active –Passive, Articles, Direct – Indirect, sentence construction, spellings and common errors. Vocabulary: Choice of Appropriate Words, Synonyms, Antonyms and Lexical sets.
II	**Study Skills**: Reading Comprehension: Reading techniques(SQ3R),Reading skills(intensive, rapid and loud reading)(Reading materials to be selected by teacher)
III	**Writing Skills**: Letter writing, Job Application, Resume writing, Precise writing, Noting and Drafting, comment, text review, slogan writing, Report writing.
IV	**Presentation Skills**: Development of speaking skills, oral and PPT presentation, interview, debate, group discursion , telephonic conversation
V	**Listening Skills**: Develop skill in the listening comprehension, listening audio, video and speeches, identify points and learn voice modulation, pronunciation and phonetic sounds.

Reference:

1. Living English Structure –By W.S. Allen; Longmans
2. Spoken English for India—By R.K. Bansal and I.B. Harrison; Orient Longman
3. New International Business English- By Joans and Alexander; OUP
4. Professional Communication-- By Arun Koneru;Tata McGraw Hill,2008
5. Business Communication Today—By Leisker and Flatly ; Pearson Education

VALUE ADDED COURSE

PEOPLE' S DENTAL ACADEMY

ENVIRONMENTAL SCIENCE TRAINING PROGRAMME

Course Brochure

This course provides an overview of the key concepts and principles in environmental management,

areas of global and national environmental concern, and strategies and tools for effective environmental management. Attempt to understand the genesis of environmental problems; the concerns that lead to various international and national initiatives to tackle them have been made in this course. Various tools, which can be used to address environmental problems and the role that the professionals can play in managing environment in their respective areas would be discussed.

1. Principles of Environmental Management.
2. Principles of Ecology, Environment & Environmental Management.
3. Municipal Solid Waste Management – Principle and case studiesa
4. Policies and Legal Aspect of Environmental Management.
5. Overview of Environmental Impact Assessment (EIA); Preparation and Review of Environmental Impact Assessment Report.
6. Environmental Audit.
7. Life Cycle Assessment as EM Tool.
8. Environmental Management Systems Standards: ISO 14000 (EMS).
9. Environmental Design.
10. Environmental Economics.
11. Application of Geoinformatics (Geographic Information System (GIS) and Remote Sensing) in Environmental Management.
12. Carrying capacity assessment

Each of the self-learning format versions of the course complies with high quality standards and includes a tutor's guide. A comprehensive list of references (and suggested reading) is provided at the end of each course to enable the learners to pursue relevant further reading.

The methodology involved thorough course packaging (i.e., development, design and materials production).

Course Schedule

Assignments: Assignment submission can be done through email:??/, within the specified date.

Feedback: Participant who would like to have the feedback from the tutor can pose their queries in the discussion forum or through chat sessions or through e-mail or by post.

Tutors /Resource Persons: The tutors will act as catalysts, emphasized on participatory style of learning and providing ample scope for discussions, and the resource persons facilitate the learning process. Successful realization of Competence Based Education heavily depends on the teachers' contribution to the curriculum reform. Teachers involved here have wide scope from the lesson level to the level of curriculum development, and adapt new role of coach of the students' learning processes. Faculties and course coordinators are from ????.

Venue: Lecture Hall 1, People's Dental Academy

Entry Requirements: ***Participants are expected to take part in all activities that form part of course in addition the participants should work on individual projects. During course, participants should compulsorily attend to interactive chat session, which is considered while grading***. Participants

should actively participate in the course for best results. A certificate along with grades will be given to all the successful participants.

. **Target Group**:

This training programmes invites applications from interns and faculty members.

Course Fee:

The Registration/nomination is free for the participants.

Course duration:

The programme will be conducted for 6 months (30 hrs)

DISASTER MANAGEMENT SYLLABUS FOR DENTAL UG

Name of the value added course: Disaster management
Year/ semester: Internship
Name of faculty in charge: Dr. Swapnil Jain (People's Dental Academy), DR. DANGI (PCDS)
Number of Teaching Hours: 50 hours

Brief description of the course:

This course is being introduced at the UG level to enable students and citizens to recognize the increasing vulnerability of the planet in general and India in particular to disasters. This, it is expected would create a basis to work towards preparedness and also help us develop a culture of safety and prevention. The adoption of a disaster risk reduction perspective in the teaching of the course would be useful. While disasters are generally seen as an outcome of catastrophic natural events, the idea of pre-existing vulnerabilities is equally important. These need to be understood and addressed if disaster impacts are to be minimized. There has been a considerable policy level intervention in India in recent years and if teachers and young people in each city, district block or village can understand and explore avenues of reducing disaster risks and work towards preparedness- the efforts would contribute towards minimizing losses and saving lives.

Disaster Management is a highly multidisciplinary subject wherein rich contributions have been made by the fields of environmental sciences, medicine, geography, geology, sociology, political science, economics, social work profession, psychology, public administration, law, gender studies, engineering sciences, demography, media studies and so on. Therefore, this course at the undergraduate level could be easily taught by faculty members from any discipline. They must be interested in the subject Matter and willing to look at disaster management issues from both- a theoretical perspective as well as from a practical standpoint. This would enrich the teaching learning process. While this course has been developed keeping diverse disciplines in mind the teachers in consultation with the college curriculum committee are welcome to improvise and modify the content. Encouraging creativity of teachers is important.

Course Details

The course will be of 50 lectures of about 45 minutes each- following the UGC pattern. It will be taught in a single semester. It may be located in any of the 3 years of graduation based on availability of teachers and structure of the broader courses on offer in each University/College. The course may be taught by a teacher of any discipline as Disaster Management (DM) is multi disciplinary and draws its knowledge base from a range of disciplines.

Learner Objectives

1. To provide students an exposure to disasters, their significance and types.

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2. To ensure that students begin to understand the relationship between vulnerability, disasters, disaster prevention and risk reduction
3. To gain a preliminary understanding of approaches of Disaster Risk Reduction (DRR)
4. To enhance awareness of institutional processes in the country and
5. To develop rudimentary ability to respond to their surroundings with potential disaster response in areas where they live, with due sensitivity.

Eligibility: undergraduate students

Medium of instructions: English

Syllabus:

Course code	Module of the course	Number of hours
	Unit 1 :Introduction to Disasters: Concepts, and definitions (Disaster, Hazard, Vulnerability, Resilience, Risks) 6 fl. Disasters: Classification, Causes, Impacts (including social, economic, political, environmental, health, psychosocial, etc.)	2
	Unit 2:Differential impacts- in terms of caste, class, gender, age, location, disability Global trends in disasteis!urban disasters, pandemics, complex emergencies, Climate change.12	2
	Unit 3: Approaches to Disaster Risk reduction: Disaster cycle - its analysis, Phases, Culture of safety, prevention, mitigation and preparedness community based DRR, Structural- nonstructural nesures, roles and responsibilities of- community, Panchayati Raj Institutions/Urban Local Bodies (PRIs/ULBs), states, Centre, and other stake-holders. 10	4

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	Unit 4: Inter-relationship between Disasters and Development: Factors affecting Vulnerabilities, differential impacts, impact of Development projects such as dams, embankments, changes in Land-use etc. Climate Change Adaptation. Relevance of indigenous knowledge, appropriate technology and local resources 6	**10**
	Unit 5: Disaster Risk Management in India Hazard and Vulnerability profile of India Components of Disaster Relief: Water, Food, Sanitation, Shelter, Health, Waste Management Institutional arrangements (Mitigation, Response and Preparedness, DM Act and Policy, Other related policies, plans, programmes and legislation) 8	**12**
	Unit 6:Project Work: (Field Work, Case Studies) 8 • The project /fieldwork is meant for students to understand vulnerabilities and to work on reducing disaster risks and to build a culture of safety. Projects must be conceived creatively based on the geographic location and hazard profile of the region where the college is located. A few ideas or suggestions are discussed below. • Several governmental initiatives require Urban Local Bodies (ULBs) and Panchayati Raj Institutions (PRIs) to be proactive in preparing DM Plans and community based disaster preparedness plans. Information on these would be available with the district Collector or Municipal Corporations. The scope for students to	**20**

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collaborate on these initiatives is immense. Teachers may explore possibilities.

- Teachers could ask students to explore and map Disaster prone areas, vulnerable sites, vulnerability of people (specific groups) and resources. The students along with teachers could work on ways of addressing these vulnerabilities, preparing plans in consultation with local administration or NGOs. Students could conduct mock drills in schools, colleges or hospitals. They could also work on school safety, safety of college buildings) training in first aid.Other examples could be- identifying how a large dam, road/ highway or an embankment or the location of an industry affects local environment and resources or how displacement of large sections of people creates severe vulnerabilities may be mapped by student project work. Teaching Resources- A range of Films- documentaries and feature films related to disasters and their impacts and on vulnerabilities of people are available which a teacher could choose with care and screen. This could form a basis for classroom discussion.

Scheme of Examination: Total 80 marks (60 MCQ'S for 60 marks + project work for 20 marks)

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PEOPLE'S DENTAL ACADEMY, BHOPAL

BDS 1ST YEAR TIME TABLE

Session 2020-21

Ref:No:PDA/Acad./21/343 W.E.F – 02 February 2021 Date: 29 January 2021

Days	9AM – 10AM Lecture	10AM – 11AM Lecture	11AM – 1PM Practical	Batch	1PM – 2PM	2PM – 4PM	Batch
Mon	Anatomy	Dental Anatomy & Dental Histology	Anatomy Prosthodontics Pre -Clinical DA / DH	A B C		Dental Anatomy & Histology Anatomy	B1 A1
Tue.	**Conservative Dentistry (I,II week) DA / DH (III/IV/V Week)**	Physiology	Anatomy Prosthodontics Pre -Clinical DA / DH	B C A		Physiology Biochemistry	A1 B1
Weds.	Dental Material	Anatomy	Anatomy Prosthodontics Pre -Clinical DA / DH	C A B		Physiology Dental Anatomy & Histology	B1 A1
Thru.	Dental Anatomy & Dental Histology	English Language	Anatomy Dental Material Conservative	B C A		Anatomy Biochemistry	B1 A1
Fri.	Biochemistry	Anatomy	Anatomy Dental Material Conservative	A B C		**Theory Classes** Physiology/ Biochemistry – 2 PM to 3 PM Environment Science - 3 PM to 4 PM	
Sat.	Biochemistry	Physiology	Anatomy Dental Material Conservative	C A B		**OFF**	

BATCHES – For Practical Classes (11am -1pm)

Batch-A Roll No. 2001 to 2011
Batch-B Roll No. 2012 to 2022
Batch-C Roll No. 2023 to onwards

BATCHES – For Practical Classes (2-4pm)

Batch-A1 Roll No. 2001 to 2017
Batch-B1 Roll No. 2018 to onwards

Dr. Sanjeev Tyagi
(Dr. Sanjeev Tyagi)
Dean
People's Dental Academy
Bhopal

Faculty of Dentistry,

Peoples University, Bhopal

Board of Studies

Name of the Value Added course: Environmental Science

Year/ Semester: First BDS (Academic Session 2019/20)

Name of Faculty Incharge: People's College of Dental Sciences (Dr. VanditaRawat)

People's Dental Academy (Dr. SapnaKushwah)

Number of Teaching Hours: 50 (45 hours Theory + 5 Field work)

Brief description of the course: The Environmental Science (EVS) classes had been designed for 1st BDS students to teach them about ecology and the interaction between humans and the natural world. Regular classes are conducted every year to pursue graduate work in diverse areas. ranging from their undergraduate focus to law, public health, or policy. In addition, Environmental Science majors graduate with the necessary skills to join government or non-governmental agencies after completion of their BDS course. More than 50 lecture classes were scheduled and will be taken by the faculty per UGC syllabus and guidelines.

Objectives:

a) Creating the awareness about environmental problems among people.

(b) Imparting basic knowledge about the environment and its allied problems.

(c) Developing an attitude of concern for the environment.

(d) Motivating public to participate in environment protection and environment improvement.

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(e) Acquiring skills to help the concerned individuals in identifying and solving environmental problems.

Eligibiltity: Undergraduate students

Medium of Instructions: English

Syllabus:

Course Code	Module of the course	No. of hours
	Unit 1: Introduction to environmental sciences. Definition, scope and importance. Need o f public awareness	2 hours
	Unit 2: a) Mineral resources: uses, exploitation and method of exploitation. Case study. b) World food problems change caused by agriculture and overgrazing. Effect of modern agriculture, fertilizers and pesticides. Problems, water logging, salinity and case study. c) Water resources: used and over utilization of surface and ground water, floods, drought. conflicts, over water, dams benefits and problems. d) Forest resources: uses, over exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people. e) Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources. Case studies. f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. • Role of an individual in conservation of natural resources. •Equitable use of resources for sustainable lifestyles.	8 hours
	Unit 3: Ecosystems •Concept of an ecosystem. •Structure and function of an ecosystem. •Producers, consumers and decomposers. •Energy flow in the ecosystem. •Ecological succession. • Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem :- a. Forest ecosystem b. Grassland ecosystem c. Desert ecosystem	6 hours

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	d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)	
	Unit 4 : Biodiversity and its conservation • Introduction- Definition: genetic, species and ecosystem diversity. • Biogeographical classification of India • Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values Biodiversity at global, National and local levels. • India as a mega-diversity nation • Hot-spots of biodiversity. • Threats to biodiversity: habitat loss, poaching of wildlife, man wildlife conflicts. • Endangered and endemic species of India • Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.	8 hours
	Unit 5 : Environmental Pollution Definition • Causes, effects and control measures of :- a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. Nuclear hazards • Solid waste Management : Causes, effects and control measures of urban and industrial wastes. • Role of an individual in prevention of pollution. • Pollution case studies. • Diaster management: floods, earthquake, cyclone and landslides.	8 hours
	Unit 6 : Social Issues and the Environment • From Unsustainable to Sustainable development • Urban problems related to energy • Water conservation. rain water harvesting, watershed management Resettlement and rehabilitation of people: its problems and concerns. Case studies. • Environmental ethics: issues and possible solutions. • Climate change. global warming, acid rain, ozone layer depletion. nuclear accidents and holocaust. Case studies. • Wasteland reclamation. • Consumerism and waste products. • Environmental Protection Act • Air Prevention and Control of Pollution) Act. • Water (Prevention and control of Pollution) Act	7 hours

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	• Wildlife Protection Act • Forest Conservation Act Issues involved in enforcement of environmental legislation. • Public awareness.	
	Unit 7 : Human Population and the Environment • Population growth, variation among nations. • Population explosion- Family Welfare Programme. • Environment and human health. • Human Rights. • Value Education. • HIV / AIDS. • Women and Child Welfare. Role of Information Technology in Environment and human health • Case Studies.	6 hours
	Unit 8: Field work/Project Visit to a local area to document environmental variations, forest/grasslands/hill/mountains Visit to a local polluted site-Urban / Rural / Industrial / Agricultural Study of common plants, insects, birds. Study of simple ecosystems-pond, river, hill slopes, etc.	(Field work Equal to 5 lecture hours)

Scheme of Examoination: 100 marks (MCQs-80 Marks+ Project work 20 Marks)

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PEOPLE'S INSTITUTE OF MANAGEMENT AND RESEARCH

BROCHURE OF VALUE ADDED COURSES

CPBFI Courses and Structure

ATTITUDE

Course 1:
Managing Self - SwaRoop

- SwaRoop orientation
- My Self
- Self-belief - staying assertive
- Mind-body connections and Self-talk
- What are emotions
- Regulating emotions
- What is belief
- ABC Principle of REBT
- Rational and irrational beliefs
- Decision making
- Daily challenges

SKILLS

Course 2:
Communication and Workplace Skills

- What is communication
- Goals and barriers in communication
- Modes of communication
- Listening skills and empathy
- Non-verbal expression skills
- Summarisation skills
- Effective communication
- Use of language in communication
- Spoken communication
- Telephonic communication
- Written communication
- Giving and receiving feedback
- Saying and taking NO
- Persuasion and influencing skills
- Working in teams
- Group discussion skills
- Goals and targets at workplace
- Representing self
- Job interview techniques
- Job interview demonstration

KNOWLEDGE

Course 3:
Overview of Retail Banking

- Introduction to Banking
- Introduction to Branch Banking
- Customers and Their Needs
- Overview of Banking Products
- Liability Products
- Asset Products
- Third Party and Fee-based Products
- Business Development
- Transaction Processing
- Customer Service
- Compliance and Ethics
- Future of Banking
- Inclusive Banking
- Introduction to NBFCs
- Overview of Corporate Banking
- Banking and Me

KNOWLEDGE

Course 4:
Overview of Insurance

- Need for Insurance
- Evolution of Insurance
- Overview of an Insurance Company
- Overview of Retail Insurance Products
- Overview of the Companion Products
- Overview of Insurance Distribution Channels
- Selling Insurance
- Insurance Operations
- Customer Service
- Ethics and Compliance in Insurance
- Future of Insurance
- Inclusive Insurance
- Profitability Drivers for Insurance

Mock interviews by corporate recruiters

Classroom Only

Banking: 2 hours / 8

Insurance: 2 hours / 8

Communication: 36 hours / 12

Managing Self: 12 hours / 2

96 hrs over 30 days

Online Only

Banking: 2 hours / 12

Insurance: 2 hours / 12

Communication: 36 hours / 18

Managing Self: 12 hours / 4

96 hrs over 46 days