



**FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Industrial Applications of Nuclear Technology
(13th to 17th July, 2020)**

**Organized by
Dept. of Nuclear Science and Technology
School of Engineering and Technology (SET)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

Organizing Committee and Resource Person

Convener : Dean Academics, Mody University of Science and Technology
Coordinator : Dr. Atul Kumar, HOD, Dept of Mechanical Engineering.
Coordinator : Dr. Subrata Jana, Asst. Prof, Dept. of Nuclear Science and Technology.

Resource Persons :

S. No	Name	Affiliation	Topic of the Talk
1	Dr. Atul Kumar	SET, Mody University, Lakshmangarh	Applications of Composite material in Nuclear application.
2	Prof R. Shivpuri	SET, Mody University, Lakshmangarh	Advanced Fission Reactor and Futuristic applications
3	Dr. Subrata Jana	SET, Mody University, Lakshmangarh	Nuclear Applications in Radiotherapy and medical imaging
4	Dr. Sudatta Ray	SET, Mody University, Lakshmangarh	Design of Radiation Detector and Radio Gauge
5	Mr. Mukul Paliwal	SET, Mody University, Lakshmangarh	3 D Design and Mechatronics application in Nuclear
6	Dr. Vivek Pandey	SET, Mody University, Lakshmangarh	Thermal Hydraulics of passive safety loop.
7	Mr Vikrant Sharma	SET, Mody University, Lakshmangarh	Power Plant layout design and optimization.



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Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

List of Participants

S. No.	Name	Address and Contact Details
1.	Dr. Atul Kumar	SET, Mody University Lakshmangarh -332311
2.	Mr. Vikrant Sharma	SET, Mody University Lakshmangarh -332311
3.	Mr. Mukul Paliwal	SET, Mody University Lakshmangarh -332311
4.	Dr. Vivek Pandey	SET, Mody University Lakshmangarh -332311
5.	Dr. Subrata Jana	SET, Mody University Lakshmangarh -332311
6.	Dr. Sanjeev Jakhar	SET, Mody University Lakshmangarh -332311
7.	Dr. Sunita Kumari	SET, Mody University Lakshmangarh -332311
8.	Dr. Sudatta Ray	SET, Mody University Lakshmangarh -332311
9.	Prof. R K Shivpuri	SET, Mody University Lakshmangarh -332311
10.	Dr. Devilal Punia	SET, Mody University Lakshmangarh -332311
11.	Dr. Dinkar Verma	GD Goenka University, Gurugram, Haryana 122103
12.	Dr. P Sakti Prakash	SET, Mody University Lakshmangarh -332311



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Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

Date / Time	10.00- 1.00 PM	02.30 – 05.30 PM
13-07-2021	Lighting of Lamp and Saraswati Vandana Address By the Director SET	Talk 2: Dr. Atul Kumar Nuclear Fuel Materials.
14-07-2021	Talk 2: Prof. R Shivpuri Advanced Fission Reactor	Talk 3: Prof. R Shivpuri Closed Fuel Cycle
15-07-2021	Talk 4: Dr. Subrata Jana Nuclear Waste Category, and Waste Handling.	Talk 5: Dr. Subrata Jana Waste Management and Waste Handling.
16-07-2021	Talk 6: Dr. Vivek Pandey Studies of thermal Hydraulics of Nuclear waste material	Talk 7: Dr. Sudatta Ray Radiation Detector for Nuclear spent fuel measurement
17-07-2021	Talk 8: Mr. Mukul Paliwal Advanced Materials in Automobile Engineering	Talk 9: Mr Vikrant Sharma Multi criteria decision making applications in waste management.



**Online Faculty Development Program On
Industrial Applications of Nuclear Technology**

Organized by

Department of Nuclear Science and Technology,
School of Engineering and Technology
Mody University of Science and Technology

Certificate of Participation

This is to certify that

has participated in a Five Days Online Faculty Development
Program (FDP) on "Industrial Applications of Nuclear Technology" held on
13th to 17th July, 2020 at School of Engineering and technology, Mody University of Science and Technology.

Coordinator

Coordinator

Dean Academics

Date : 17.07.2020

15 6.3.3

15 6.3.3

**MODY**
UNIVERSITY
A Leading Women's University

Online
Faculty Development Program

Industrial Applications of Nuclear Technology

13th to 17th July, 2020
Organised By
SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF NUCLEAR SCIENCE & TECHNOLOGY

Dr. Atul

Subrata

Dr. Sunita

you

Vikrant

+12 more

Subrata is presenting

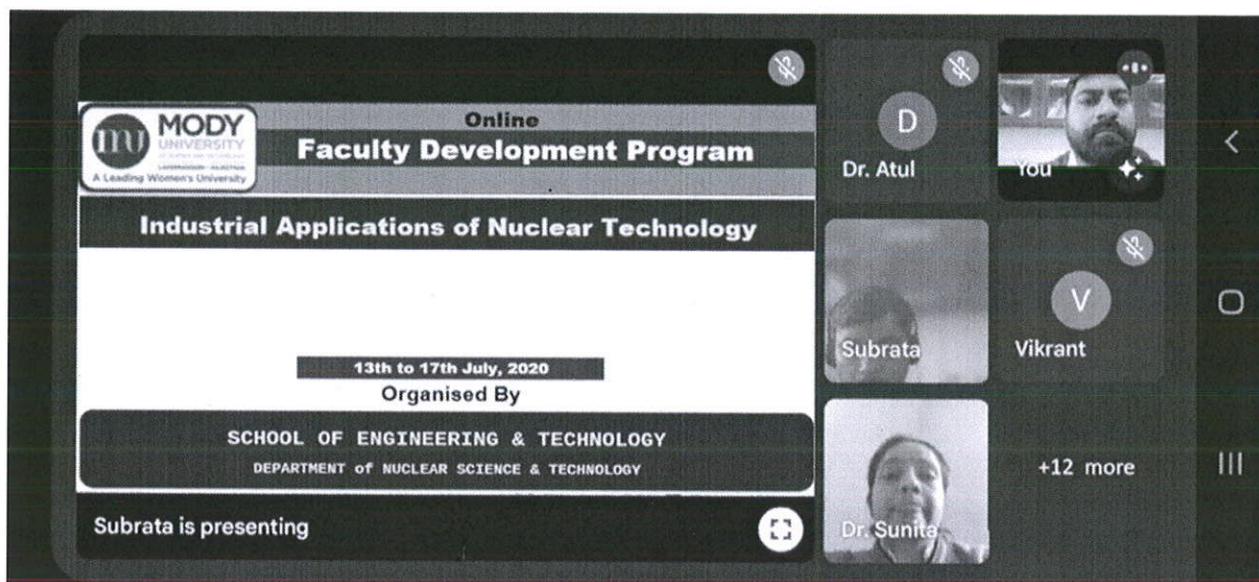


Figure 1 - Five day FDP by SET

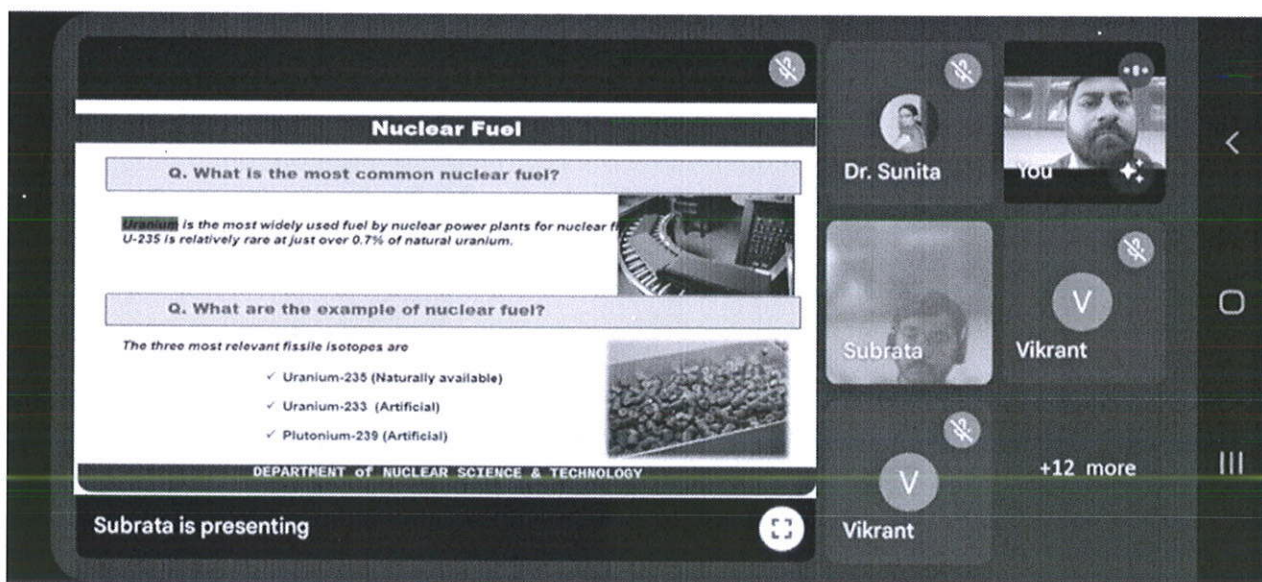


Figure 2 - Five day FDP by SET

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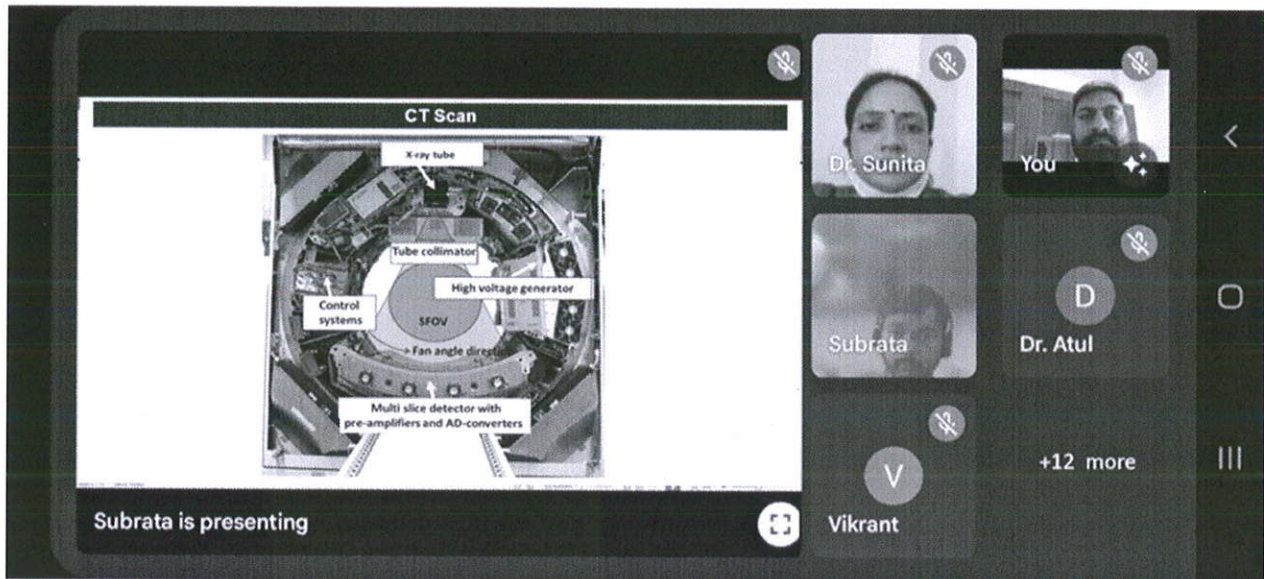


Figure 3 - Five day FDP by SET

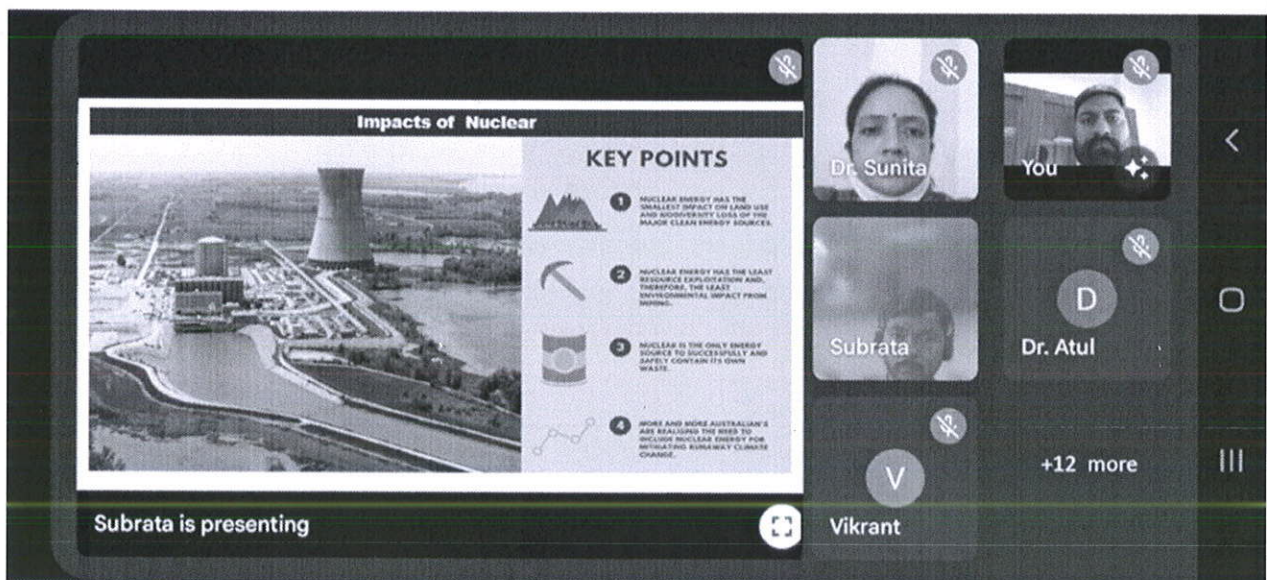


Figure 4 - Five day FDP by SET

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CT Scan

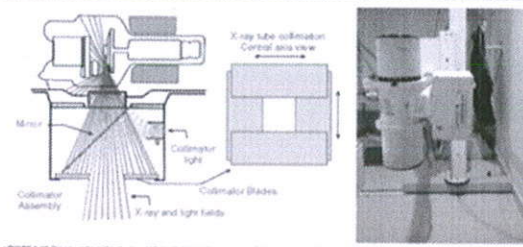


FIGURE 6-18 The x-ray tube collimator assembly is attached to the housing of the tube port, typically on a collar that allows it to be rotated. A light source, positioned at a virtual focal spot location, illuminates the field from a 40-degree angle source. Lead collimator blades define both the x-ray and light fields.

Aluminium and copper sheet to remove low energy X ray

D
Dr. Atul

You

Subrata

V
Vikrant

Dr. Sunita

+12 more

Subrata is presenting

Figure 6 - Five day FDP by SET

APPLICATION OF NUCLEAR ENGINEERING

Power Plant	➤ Around 10% of the world's electricity is generated by about 440 nuclear power reactors. About 50 more reactors are under construction. Renewable Energy.
Fuel (Pu, U)	➤ India has 30 nuclear reactors in operation with a total installed capacity of 6780 MW.
Nuclear weapon	➤ An explosive device that derives its destruction force from nuclear reactions, either fusion or from a combination of fusion and fission reactions (thermonuclear bomb).
Transport	➤ Nuclear powered ships and submarines, Thermoelectric Generators (RTG) space car, Hydrogen production, electricity for EV cars.
Medicine	➤ Radioisotopes are used for diagnosis use radiopharmaceuticals (or radiotracers) ➤ Used for therapeutic purposes and scanning organs (MRI/CT scanner, Echo etc.) ➤ Gamma radiation to sterilize medical products.
Water Resources	➤ Desalination plant, detecting and analyzing pollutants. ➤ Neutron probes measure soil moisture accurately, better management of land.
Agriculture	➤ Helped in the production of crops and having more crop production and safe from insects and other illness. ➤ Nuclear radiations helps to preserve fruit and vegetable for a longer time.
Research	➤ Fusion Reactor, Space Research, Accelerator.

Dr. Sunita

You

Subrata

D
Dr. Atul

V
Vikrant

+12 more

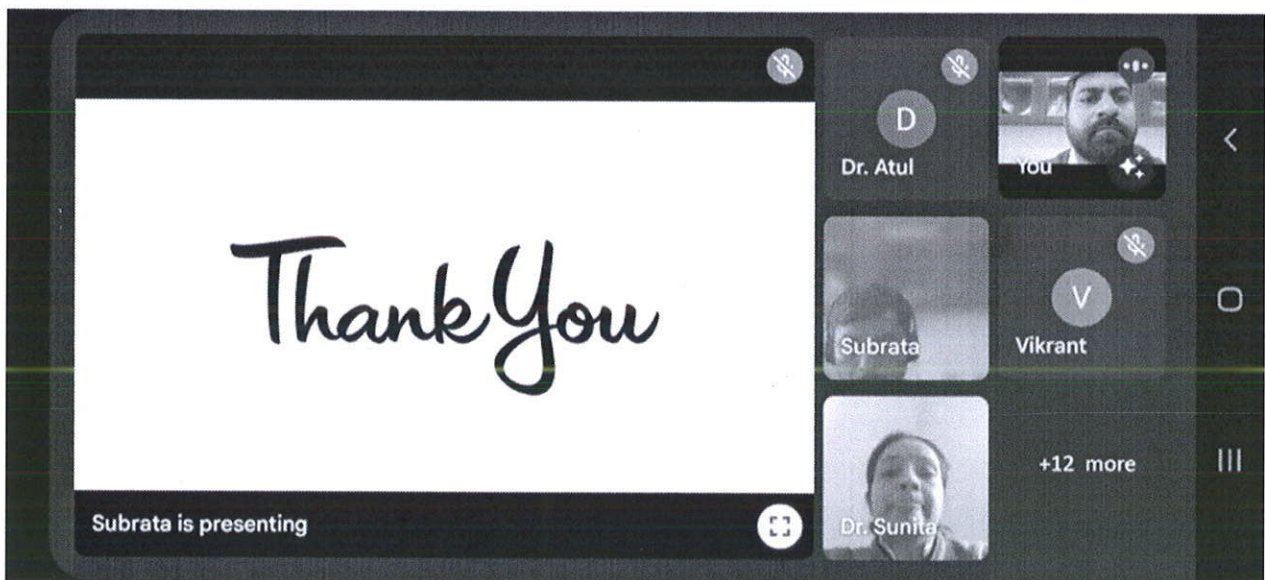
Subrata is presenting

Figure 7 - Five day FDP by SET





Figure 8 - Five day FDP by SET



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**FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Nuclear Waste Management and its necessary Concern
(14th – 18th June, 2021)**

Organized by
**Dept. of Nuclear Science and Technology
School of Engineering and Technology (SET)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

Preamble: Mody University of Science and Technology is a state private University with the objective of encouraging and motivating the women population and to avail quality education with world-class infrastructure and facilities in an IT- savvy environment. Nuclear engineering is the branch of engineering concerned with the application of breaking down atomic nuclei (fission) or of combining atomic nuclei (fusion), or with the application of other sub-atomic processes based on the principles of nuclear physics.

About the FDP: The current FDP is devoted to one of the most important challenges in the nuclear industry is what to do with the nuclear waste. It must be managed in ways that protect human health and minimize the environmental impact. For nuclear power generation, all waste is regulated. Optimizing nuclear waste management from the early stages is key for an effective, cost-efficient process. Nuclear waste management involves minimizing all forms of radioactive waste, categorization and determination of appropriate disposal methods in line with Best Available Techniques. This helps us to provide support in strategy development, pre-treatment of waste and minimization of waste (e.g. by vitrification). We offer waste package management for various waste forms that arise during decommissioning. An array of tools is used to better understand the entire waste cycle, such as “waste led” decommissioning diagrams based on IAEA guidelines.

Major Course Contents:

- Nuclear Waste Category, and Waste Handling.
- Nuclear Fuel Materials.
- Thermal Hydraulics of Nuclear waste
- Advanced Fission Reactor and Closed Fuel Cycle
- What is a Nuclear Strong Room ? and Necessary Design Criteria.
- Radiation Detector for Nuclear spent fuel measurement
- Multi criteria decision making applications in waste management.

Important dates:

Last date for submission of Application: 12/06/2021

Duration : 14th – 18th June, 2021

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11/2/21

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**FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Nuclear Waste Management and its necessary Concern
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Lakshmangarh, Sikar, Rajasthan. 332311**

Registration Form

1. Name : _____
2. Designation : _____
3. Institution : _____
4. Email : _____
5. Mobile No : _____
6. Address for correspondence : _____
7. Educational qualification : _____
8. Subjects taught for : _____
9. Experience in years : _____
 - i. Teaching : _____
 - ii. Research : _____
 - iii. Industry : _____

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinators in case I am unable to attend the course.

Date:

Signature of the Applicant

For further enquiries please contact:
subratajana.set@modyuniversity.ac.in,
atulkumar.cet@modyuniversity.ac.in,



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Convener : Director, Mody University of Science and Technology
Coordinator : Dr. Atul Kumar, HOD, Dept of Mechanical Engineering.
Coordinator : Dr. Subrata Jana, Asst. Prof, Dept. of Nuclear Science and Technology.

Resource Persons :

S. No	Name	Affiliation	Topic of the Talk
1	Prof R. Shivpuri	SET, Mody University, Lakshmangarh	Advanced Fission Reactor and Closed Fuel Cycle
2	Dr. Atul Kumar	SET, Mody University, Lakshmangarh	Nuclear Fuel Materials.
3	Dr. Subrata Jana	SET, Mody University, Lakshmangarh	Nuclear Waste Category, and Waste Handling.
4	Dr. Sudatta Ray	Amity University, Noida	Radiation Detector for Nuclear spent fuel measurement
5	Mr. Mukul Paliwal	SET, Mody University, Lakshmangarh	What is a Nuclear Strong Room ?and Necessary Design Criteria.
6	Dr. Vivek Pandey	SET, Mody University, Lakshmangarh	Studies of thermal Hydraulics of Nuclear waste material
7	Mr Vikrant Sharma	SET, Mody University, Lakshmangarh	Multi criteria decision making applications in waste management.



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List of Participants

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2.	Mr. Vikrant Sharma	SET, Mody University Lakshmangarh -332311
3.	Mr. Mukul Paliwal	SET, Mody University Lakshmangarh -332311
4.	Dr. Vivek Pandey	SET, Mody University Lakshmangarh -332311
5.	Dr. Subrata Jana	SET, Mody University Lakshmangarh -332311
6.	Dr. Sanjeev Jakhar	SET, Mody University Lakshmangarh -332311
7.	Dr. Sunita Kumari	SET, Mody University Lakshmangarh -332311
8.	Dr. Sudatta Ray	Amity University Noida UP -201301
9.	Prof. R K Shivpuri	SET, Mody University Lakshmangarh -332311
10.	Dr. Devilal Punia	SET, Mody University Lakshmangarh -332311
11.	Dr. Dinkar Verma	GD Goenka University, Gurugram, Haryana 122103
12.	Dr. P Sakti Prakash	SET, Mody University Lakshmangarh -332311



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Nuclear Waste Management and its necessary
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(14th – 18th June, 2021)

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Date / Time	10.00– 1.00 PM	02.30 – 05.30 PM
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**Online Faculty Development Program On
Nuclear Waste Management and its necessary Concern**



Organized by
Department of Nuclear Science and Technology,
School of Engineering and Technology
Mody University of Science and Technology

Certificate of Participation

This is to certify that
has participated in a Five Days Online Faculty Development Program (FDP) on
“Nuclear Waste Management and its necessary Concern”
held on 14-06-2021 to 18-06-2021 at SET, Mody University of Science and Technology.

Coordinator

Coordinator

Director, Convener

Date : 18.06.2021

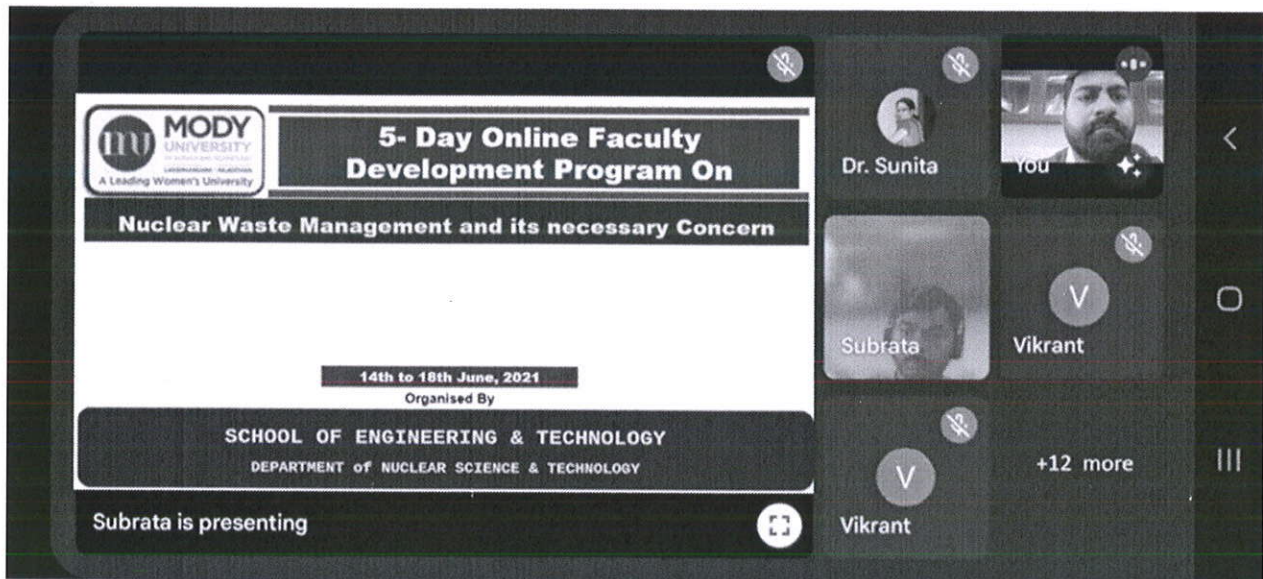


Figure 1 - Five day FDP by NST,SET

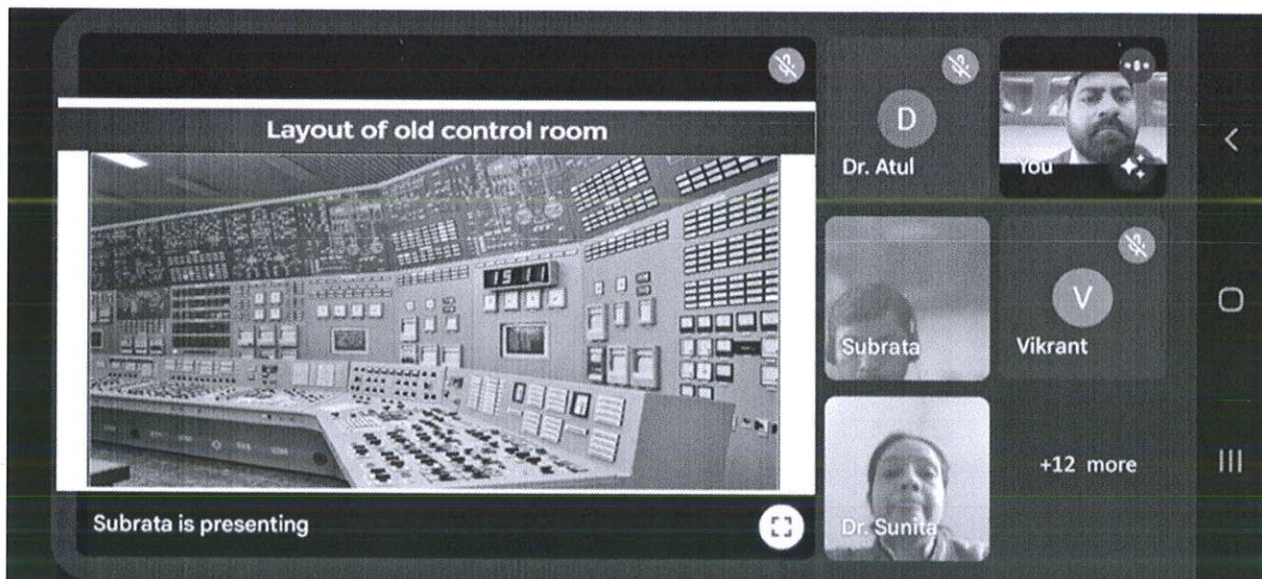


Figure 2 - Five day FDP by NST,SET

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Radioactive Waste

Low-level waste (Radioactivity ≤ 0.01 Curie/kg)	Intermediate-level waste (Radioactivity $> 0.01-10$ Curie/kg)	High-level waste (Radioactivity > 10 Curie/kg)	Uranium tailings	Spent fuel rods	Transuranic (TRU) waste
Reactor waste, instrument residues, equipment & metal tools, radioactive sludge, medical tubes, syringes, etc.	Dilution, Chemical sludge, spent, nuclear reactor parts, Contaminated materials from reactors	The heat or fuel rods from the nuclear reactors, radioactive fission products, nuclear rods.	Waste, byproduct obtained from the extraction of Uranium	The pellets of uranium dioxide fuel, required to form the fuel assembly	The byproducts obtained from nuclear weapons production and power plant, plutonium

Subrata is presenting

Participant grid:

- Dr. Sunita
- You
- Subrata
- Dr. Atul
- Vikrant
- +12 more

Figure 3 - Five day FDP by NST,SET

Thank You

Subrata is presenting

Participant grid:

- Dr. Atul
- You
- Subrata
- Vikrant
- Dr. Sunita
- +12 more

Figure 4 - Five day FDP by NST,SET

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MODY
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A Leading Women's University

5- Day Online Faculty Development Program On

Nuclear Waste Management and its necessary Concern

14th to 18th June, 2021

Organised By

SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF NUCLEAR SCIENCE & TECHNOLOGY

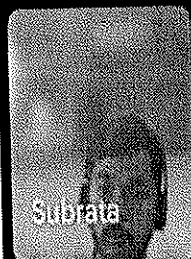
Subrata is presenting



Dr. Sunita



You



Subrata



Vikrant



Vikrant

+12 more

18/17

Advanced Techniques of Power Electronics in Renewable Energy System

ONLINE FACULTY DEVELOPMENT PROGRAMME

14th – 18th Dec, 2020



11/12/20

Organized by

**Department of Electrical Engineering, School of Engineering and Technology (SET)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

Humant



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

"Advanced Techniques of Power Electronics in Renewable Energy System"

(14th – 18th Dec, 2020)

Registration Form

1. Name : _____
2. Designation : _____
3. Institution : _____
4. Email : _____
5. Mobile No : _____
6. Address for correspondence : _____
7. Educational qualification : _____
8. Subjects taught for : _____
9. Experience in years : _____
 - i. Teaching : _____
 - ii. Research : _____
 - iii. Industry : _____

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinators in case I am unable to attend the course.

Date:

Signature of the Applicant

For further enquiries please contact:
sykumar.cet@modyuniversity.ac.in,
dlpunia.set@modyuniversity.ac.in



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
Advanced Techniques of Power Electronics in Renewable Energy System
(14th – 18th Dec, 2020)

List of Participants

S. No.	Name	Address and Contact Details
1.	Dr. Manish Kumar	Mody University of Science and Technology, Laxmangarh, 7979838845
2.	Dr. P. Shakti Parkash	Mody University of Science and Technology, Laxmangarh, 7905598915
3.	Dr. Subrata Jana	Mody University of Science and Technology, Laxmangarh, 9537276359
4.	Dr. Vivek Pandey	Mody University of Science and Technology, Laxmangarh, 8218906733
5.	Mr. Deepak Khandelwal	Mody University of Science and Technology, Laxmangarh, 8209290307
6.	Dr. Sukhvir Singh	Mody University of Science and Technology, Laxmangarh,
7.	Dr. Navneet Joshi	Mody University of Science and Technology, Laxmangarh, 8005538557
8.	Dr. Purnima Sharma	Mody University of Science and Technology, Laxmangarh, 8955697479
9.	Dr. Jeetu Sharma	Mody University of Science and Technology, Laxmangarh, 9610597886
10.	Dr. Sunita Kumari	Mody University of Science and Technology, Laxmangarh,

Skumar



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
Advanced Techniques of Power Electronics in Renewable Energy System
(14th – 18th Dec, 2020)

Date / Time					

Shuman

Sample copy for Schedule (You can modify it according to your need)

14.12.2020	<i>Overview of renewable power generation systems and their control</i> Resource Person: Dr. Sudhir Y Kumar, Professor, Mody University of Science and Technology (Timing: 9 -11 am)	<i>Hardware demonstration on 1 kW grid-tied solar photovoltaic system</i> Resource Person: Dr. Sunita Kumari, Assistant Professor, Mody University of Science and Technology (Timing: 11:30am -1:30 pm)	<i>Off-Grid Interactive system</i> Resource Person: Dr. A. Senthil, Professor, Mody University of Science and Technology (Timing: 3:00 -5:00 pm)
15.12.2020	<i>Hybrid energy systems (wind & PV) with BESS and control</i> Resource Person: Dr. A. Senthil, Professor, Mody University of Science and Technology (Timing: 9 -11 am)	<i>Grid synchronization techniques</i> Resource Person: Dr. Sudhir Y Kumar, Professor, Mody University of Science and Technology (Timing: 11:30am -1:30 pm)	<i>dSPACE Introduction</i> Resource Person: Dr. Sunita Kumari, Assistant Professor, Mody University of Science and Technology (Timing: 3:00 -5:00 pm)
16.12.2020	<i>Renewable-based off-Grid/Grid-Interactive systems and their control</i> Resource Person: Dr. A.K. Singh, Associate Professor, Mody University of Science and Technology (Timing: 9 -11 am)	<i>MPPT Technique</i> Resource Person: Dr. Th. Paras kumar Singh, Assistant Professor, Mody University of Science and Technology (Timing: 11:30am -1:30 pm)	<i>Hardware-In-Loop (HIL) Simulation</i> Resource Person: Dr. Th. Paras Kumar Singh, Assistant Professor, Mody University of Science and Technology (Timing: 3:00 -5:00 pm)
17.12.2020	<i>Control of Induction generators</i> Resource Person: Dr. Th. Paras kumar Singh, Assistant Professor, Mody University of Science and Technology (Timing: 9 -11 am)	<i>Grid-tied solar photovoltaic system</i> Resource Person: Dr. Sunita Kumari, Assistant Professor, Mody University of Science and Technology (Timing: 11:30am -1:30 pm)	<i>Hardware demonstration</i> Resource Person: Dr. Sudhir Y Kumar, Professor, Mody University of Science and Technology (Timing: 3:00 -5:00 pm)
18.12.2020	<i>PV Simulator demo</i> Resource Person: Dr. Pariteek Bhandi, Associate Professor, Mody University of Science and Technology (Timing: 9 -11 am)	<i>PMS generators and design</i> Resource Person: Dr. Sunita Kumari, Assistant Professor, Mody University of Science and Technology (Timing: 11:30am -1:30 pm)	<i>Custom Power Devices off and on grid system</i> Resource Person: Dr. Sudhir Y Kumar, Professor, Mody University of Science and Technology (Timing: 3:00 -5:00 pm)

S. Kumar



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

Advanced Techniques of Power Electronics in Renewable Energy System

(14th – 18th Dec, 2020)

Organized by

Department of Electrical Engineering
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311

Preamble: Mody University of Science and Technology is a state private University with the objective of encouraging and motivating the women population and to avail quality education with world-class infrastructure and facilities in an IT- savvy environment. The department of Electrical Engineering works with a vision to emerge as a leading centre for Undergraduate and Post Graduate, study and research in renewable energy. It is aimed to generate skilled professionals for teaching and industrial sectors of renewable energy and Electrical Technology and other related disciplines.

About the FDP: This faculty development program (FDP) is devoted to address the need of Renewable Energy and facilitates the use of more environmentally sustainable farming practices. Electrical Engineering feeds the world by generating higher power with fewer inputs, lowering volumes of fuel required. The Department of Electrical Engineering, are organizing an Online Faculty Development Program (FDP) on Power Electronics Applications in Renewable Power Generation Systems from December 14 to 18, 2021.

This FDP is intended to provide an insight on tools of Advanced Techniques of Power Electronics in Renewable Energy System improvement and its applications in various fields with hands-on experience.

Major Course Contents and Topics:

- Overview of renewable power generation systems and their control.
- Maximum power point tracking of wind & PV system
- Grid integration of renewable energy system including power quality and reactive power control.
- Hybrid energy systems (wind & PV) with BESS and control
- Grid synchronization techniques for grid-connected power converters
- Design, control and application of Custom Power Devices off and on grid system.
- Control and management of energy storage systems (e.g., batteries, super capacitors).
- Renewable-based off-Grid/Grid-Interactive systems and their control.
- Control of Induction generators and PMS generators and design.
- dSPACE Introduction and Hardware-In-Loop (HIL) Simulation.
- PV Simulator demo and MPPT Technique.
- Hardware demonstration on 1 kW grid-tied solar photovoltaic system

Important dates:

Last date for submission of Application: 10/12/2020

Duration

: 14th – 18th Dec, 2020



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
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Advanced Techniques of Power Electronics in Renewable Energy System
(14th – 18th Dec, 2020)

Registration Form

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(14th – 18th Dec, 2020)

Organizing Committee and Resource Person

Convener : Dr. A. Senthil

Co-convener : Prof.(Dr.) Sudhir Y Kumar

Coordinator : Dr. D.L.Punia

Resource Persons :

S. No	Name	Affiliation	Topic of the Talk
1	Dr. Sudhir Y Kumar	Professor, MUST	Overview of renewable power generation systems and their control
2	Dr. A. Senthil	Professor, MUST	Hybrid energy systems (wind & PV) with BESS and control
3	Dr. A.K. Singh	Associate Professor, MUST	Renewable-based off-Grid/Grid-Interactive systems and their control
4	Dr. Th. Paras kumar Singh	Associate Professor, MUST	Control of Induction generators
5.	Dr. Parteek Bhanti	Associate Professor, MUST	PV Simulator demo
6.	Dr. Sunita Kumari	Assistant Professor, MUST	Hardware demonstration on 1 kW grid-tied solar photovoltaic system

S. Kumar



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
Advanced Techniques of Power Electronics in Renewable Energy System
(14th – 18th Dec, 2020)

List of Participants

S. No.	Name	Address and Contact Details
1.	Dr. Manish Kumar	Mody University of Science and Technology, Laxmangarh, 7979838845
2.	Dr. P.Shakti Parkash	Mody University of Science and Technology, Laxmangarh, 7905598915
3.	Dr. Subrata Jana	Mody University of Science and Technology, Laxmangarh, 9537276359
4.	Dr. Vivek Pandey	Mody University of Science and Technology, Laxmangarh, 8218906733
5.	Mr. Deepak Khandelwal	Mody University of Science and Technology, Laxmangarh, 8209290307
6.	Dr. Sukhvir Singh	Mody University of Science and Technology, Laxmangarh, 9988403897
7.	Dr. Navneet Joshi	Mody University of Science and Technology, Laxmangarh, 8005538557
8.	Dr. Purnima Sharma	Mody University of Science and Technology, Laxmangarh, 8955697479
9.	Dr. Jeetu Sharma	Mody University of Science and Technology, Laxmangarh, 9610597886
10.	Dr. Sunita Kumari	Mody University of Science and Technology, Laxmangarh, 7976724086

Skumar



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
Advanced Techniques of Power Electronics in Renewable Energy System
(14th – 18th Dec, 2020)

Date / Time				

Sample copy for Schedule (You can modify it according to your need)

14.12.2020	<i>Overview of renewable power generation systems and their control</i> Resource Person: Dr. Sudhir Y Kumar, Professor, Mody University of Science and Technology (Timing: 9 -11 am)	<i>Hardware demonstration on 1 kW grid-tied solar photovoltaic system</i> Resource Person: Dr. Sunita Kumari, Assistant Professor, Mody University of Science and Technology (Timing: 11:30am -1:30 pm)	<i>Off-Grid Interactive system</i> Resource Person: Dr. A. Senthil, Professor, Mody University of Science and Technology (Timing: 3:00 -5:00 pm)
15.12.2020	<i>Hybrid energy systems (wind & PV) with BESS and control</i> Resource Person: Dr. A. Senthil, Professor, Mody University of Science and Technology (Timing: 9 -11 am)	<i>Grid synchronization techniques</i> Resource Person: Dr. Sudhir Y Kumar, Professor, Mody University of Science and Technology (Timing: 11:30am -1:30 pm)	<i>dSPACE Introduction</i> Resource Person: Dr. Sunita Kumari, Assistant Professor, Mody University of Science and Technology (Timing: 3:00 -5:00 pm)
16.12.2020	<i>Renewable-based off-Grid/Grid-Interactive systems and their control</i> Resource Person: Dr. A.K. Singh, Associate Professor, Mody University of Science and Technology (Timing: 9 -11 am)	<i>MPPT Technique</i> Resource Person: Dr. Th. Paras kumar Singh, Assistant Professor, Mody University of Science and Technology (Timing: 11:30am -1:30 pm)	<i>Hardware-In-Loop (HIL) Simulation</i> Resource Person: Dr. Th. Paras kumar Singh, Assistant Professor, Mody University of Science and Technology (Timing: 3:00 -5:00 pm)
17.12.2020	<i>Control of Induction generators</i> Resource Person: Dr. Th. Paras kumar Singh, Assistant Professor, Mody University of Science and Technology (Timing: 9 -11 am)	<i>Grid-tied solar photovoltaic system</i> Resource Person: Dr. Sunita Kumari, Assistant Professor, Mody University of Science and Technology (Timing: 11:30am -1:30 pm)	<i>Hardware demonstration</i> Resource Person: Dr. Sudhir Y Kumar, Professor, Mody University of Science and Technology (Timing: 3:00 -5:00 pm)
18.12.2020	<i>PV Simulator demo</i> Resource Person: Dr. Parteek Bhanoti, Associate Professor, Mody University of Science and Technology (Timing: 9 -11 am)	<i>PMS generators and design</i> Resource Person: Dr. Sunita Kumari, Assistant Professor, Mody University of Science and Technology (Timing: 11:30am -1:30 pm)	<i>Custom Power Devices off and on grid system</i> Resource Person: Dr. Sudhir Y Kumar, Professor, Mody University of Science and Technology (Timing: 3:00 -5:00 pm)

CERTIFICATE OF PARTICIPATION



C.3.3. (F)

FIVE DAYS FACULTY DEVELOPMENT PROGRAM ON

"Advance Techniques of Power Electronics in Renewable Energy System"

This is to certify that _____ of

"Mody University of Science and Technology",

has successfully completed five days Faculty Development Program on

"Advance Techniques of Power Electronics in Renewable Energy System"

held from 14th Dec to 18th Dec 2020 organized by Department of Electrical Engineering,

Mody University of Science and Technology, Laxmangarh, Rajasthan.

Prof. (Dr.) P. P. Senthil
(Convener)

Dr. Devi K. P. Senthil
(Co-ordinator)

Date: 18-12-2020



**FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Optimization Techniques and its Application in Engineering
(With Hands on Session using Excel)
(14th – 18th December, 2020)**

**Organized by
Department of Mechanical Engineering,
School of Engineering and Technology (SET)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

Preamble: Mody University of Science and Technology is a state private University with the objective of encouraging and motivating the women population and to avail quality education with world-class infrastructure and facilities in an IT- savvy environment. Mechanical Engineering is one of the oldest engineering which started since men innovated tools for hunting .As people became more and more civilized and science made new and new innovations , the scope and contents of mechanical engineering went on changing. With the passage of time, new disciplines in engineering came up. But mechanical engineering still holds the central place of all engineering.

About the FDP: This FDP is dedicated to providing more information on the most recent developments in Optimization Techniques for Engineering Applications. The primary goal of this FDP is to provide participants with a forum to learn about the most recent advancements in optimization techniques. It also highlights successful optimization applications across a wide range of industries. It consists of sessions that introduce participants to a wide range of modern optimization methodologies, as well as their application/case studies in a wide range of real-world interdisciplinary engineering problems.

Major Course Contents:

- Optimization Techniques –Introduction
- Applications of optimization methods
- Simplex Method and Linear Programming
- Transportation and Assignment Problem
- Integer Linear Programming
- Dynamic Programming
- Network Analysis
- Game Theory
- Scheduling and Sequencing
- Decision Making

Important dates:

Last date for submission of Application: 12/12/2020

Duration : 14th – 18th December, 2020



**FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Optimization Techniques and its Application in Engineering
(With Hands on Session using Excel)
(14th – 18th December, 2020)**

Organized by

**Department of Mechanical Engineering,
School of Engineering and Technology (SET)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

Registration Form

1. Name : _____
2. Designation : _____
3. Institution : _____
4. Email : _____
5. Mobile No : _____
6. Address for correspondence : _____
7. Educational qualification : _____
8. Subjects taught for : _____
9. Experience in years : _____
 - i. Teaching : _____
 - ii. Research : _____
 - iii. Industry : _____

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinators in case I am unable to attend the course.

Date:

Signature of the Applicant

For further enquiries please contact:
atulkumar.cet@modyuniversity.ac.in,
vikrantsharma.cet@modyuniversity.ac.in



**FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Optimization Techniques and its Application in Engineering
(With Hands on Session using Excel)
(14th – 18th December, 2020)**

**Organized by
Department of Mechanical Engineering,
School of Engineering and Technology (SET)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

Organizing Committee and Resource Person

Convener : President, Mody University of Science and Technology

Co-convener : Dean SET

**Coordinator : Dr. Atul Kumar
: Mr. Vikrant Sharma**

Resource Persons :

S. No	Name	Affiliation
1	Dr. Atul Kumar	SET, Mody University, Lakshmangarh
2	Mr. Vikrant Sharma	SET, Mody University, Lakshmangarh
3	Dr. Arvind Mahrishi	SET, Mody University, Lakshmangarh
4	Dr. K.P. Sisodiya	SLAS, Mody University, Lakshmangarh
5	Dr. Vinod Maan	SET, Mody University, Lakshmangarh



**FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Optimization Techniques and its Application in Engineering
(With Hands on Session using Excel)
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Organized by

**Department of Mechanical Engineering,
School of Engineering and Technology (SET)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

List of Participants

S. No.	Name	Address and Contact Details
1.	Dr. Sandeep Jaiswal	SET, MUST. Lakshmangarh
2.	Mr. Mukul Paliwal	SET, MUST. Lakshmangarh
3.	Dr. Vivek Pandey	SET, MUST. Lakshmangarh
4.	Dr. Satyajit Anand	SET, MUST. Lakshmangarh
5.	Dr. Harlal Singh	SLAS, MUST. Lakshmangarh
6.	Dr. Arvind Mahrishi	SET, MUST. Lakshmangarh
7.	Dr. Subrat Jana	SET, MUST. Lakshmangarh
8.	Dr. Paras K. Singh	SET, MUST. Lakshmangarh
9.	Dr. S.Y Kumar	SET, MUST. Lakshmangarh
10.	Dr. K.P. Sisodiya	SLAS, MUST. Lakshmangarh
11.	Dr. Sanjeev Jakhar	SET, MUST. Lakshmangarh
12.	Dr. Sunita Kumari	SET, MUST. Lakshmangarh



**FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Optimization Techniques and its Application in Engineering (With Hands
on Session using Excel)
(14th – 18th December, 2020)**
Organized by
Department of Mechanical Engineering,
School of Engineering and Technology (SET)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311

Date / Time	02.30 – 03.30 PM	03.30 – 04.30 PM
14.12.2020	Lighting of Lamp and Saraswati Vandana Address By the Dean SET	Talk 1: Dr. Atul Kumar Optimization Techniques – Introduction
15.12.2020	Talk 2: Dr. Atul Kumar Linear Programming and Simplex Method	Talk 3: Dr. Arvind Mahrishi Transportation and Assignment Problem
16.12.2020	Talk 4: Dr. K.P. Sisodiya Integer Linear Programming	Talk 5: Dr. Arvind Mahrishi Dynamic Programming
17.12.2020	Talk 6: Dr. Vinod Maan Network Analysis	Talk 7: Dr. Vinod Maan Game Theory
18.12.2020	Talk 8: Mr. Vikrant Sharma Scheduling and Sequencing	Talk 9: Mr. Vikrant Sharma Decision Making

Faculty Development Programme

(FDP)

From

14th - 18th December, 2020

Organized by

Mechanical Engineering Department

School of Engineering and Technology

Mody University of Science and Technology

Certificate

This is to certify that _____ of Mody University Lakshmangarh, India has participated in the Five Day's FDP on "Optimization Techniques and its Application in Engineering" held from 14-12-2020 to 18-12-2020 at School of Engineering and Technology, Lakshmangarh.

Mr. Vikrant Sharma
Coordinator

Dr. Atul Kumar
Coordinator & HoD ME

Date: 18-12-2020

Dr. A Senthil
Assist. Dean SET

18/12/20



**FACULTY DEVELOPMENT
PROGRAMME (FDP) ON Scientific
Tools: Latex, MATLAB and Python
(16th – 21th November, 2020)**

Organized by

Department of Mathematics,

School of Liberal Arts and Sciences

Mody University of Science and
Technology

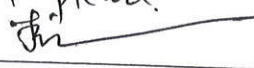
Lakshmangarh, Siker, Rajasthan 332311

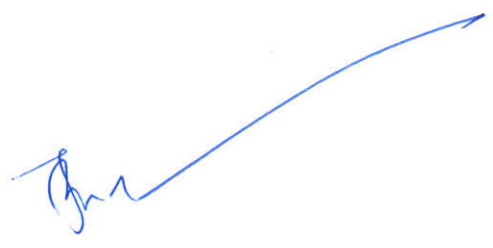

11/2/22

MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY, LAKSHMANGARH -332311
School of Liberal Arts and Science (SLAS)
Session- 2019-20

Proposal Form for Faculty Development Program

Name of Convenor	:	(Prof.) Dr. Jitendra Binwal
Name of organizing secretary	:	Dr. Rishi Kumar Pandey
Department	:	Mathematics
Designation	:	Professor, Assistant Professor
Email	:	Jitendrabinwal.slas@modyuniversity.ac.in rkpandey.slas@modyuniversity.ac.in
Mobile	:	8854090021, 8982680811
Title of the Activity	:	Faculty development programme on Scientific Tools: Latex, MATLAB and Python
Probable Time and Venue	:	10:00 AM- 5:00 PM, ABB-201
Start Date	:	16/11/2020
End Date	:	21/11/2020
Total Days	:	06 days
Resources Required	:	PA System, Projector, Classroom etc.
Expected Strength	:	20
Mode of Conduct	:	Online
Topic to be covered/ Brief details about activity	:	Journal articles using LaTeX (formats IEEE, Springer, Elsevier etc.) Slides using LaTeX Thesis/document writing using LaTeX Strengthening the knowledge in MATLAB based programming MATLAB programming for solutions to mathematical models Simulink model of fluid dynamics and other simulation models Python object and data structure Python operators Python models and packages
Signature of organizing secretary	:	

Signature of the Convenor	:	
HOD Recommendations & Signature	:	OK, forwarded to competent authority for info, advised approval please. 
Dean's Signature with remarks	:	





**ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON
Scientific Tools: Latex, MATLAB and Python
(16th – 21th November, 2020)**

**Organized by
Department of Mathematics,
School of Liberal Arts and Sciences (SLAS)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

Preamble: Mody University of Science and Technology is a state private University with the objective of encouraging and motivating the women population and to avail quality education with world-class infrastructure and facilities in an IT- savvy environment. The department of Mathematics works to develop a mathematical professional for carrying out fundamentals of mathematics and its multidisciplinary applications of excellent nature with to generate high class mathematicians, scientists, technocrats and professionals for the benefit of the society at large. The mission of department is Mission: To produce mathematically sound, applications and practically oriented, value driven and well-groomed mathematicians, scientists, technocrats and professionals.

About the FDP: Research forms a cardinal necessity for a learner which have inquisitiveness to achieve new insights of technology. Our aim is to discuss recent advancements in various disciplines of Science and assimilate innovative research ideas to strengthen research. Thus there is more intense need to organize FDP to implicit recent approaches and new techniques in Sciences. This FDP has a wide scope for multidisciplinary science stream for the researchers and faculties. It will provide an outspread opportunity to attend lectures of eminent researchers worldwide which will help to understand new innovations and foster faculty knowledge, skills and professional competence.

Major Course Contents:

- Journal articles using LaTeX (formats IEEE, Springer, Elsevier etc.)
- Slides using LaTeX
- Thesis/document writing using LaTeX
- Strengthening the knowledge in MATLAB based programming
- MATLAB programming for solutions to mathematical models
- Simulink model of fluid dynamics and other simulation models
- Python object and data structure
- Python operators
- Python models and packages

Important dates:

Last date for submission of Application: 15/09/2020

Duration : 16th – 21th November, 2020



ONLINE FACULTY DEVELOPMENT PROGRAMME

(FDP) ON
Scientific Tools: Latex, MATLAB and Python
(16th – 21th November, 2020)

Organized by
Department of Mathematics,
School of Liberal Arts and Sciences(SLAS)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311

Organizing Committee and Resource Person

Patron :Prof.(Dr.) Uma Bhradwaj

Convener :Dr. Jitendra Binwal

Organizing Secretary:Dr. Rishi Kumar Pandey

Resource Persons :

S. No	Name	Affiliation	Topic of the Talk
1	Dr. Smita Verma	SGSITS Indore	MATLAB with regression analysis and data envelopment analysis
2	Prof. (Dr.) Omprakash Sikhwal	Purnima Institute of Engineering and Technology Jaipur	MATLAB WITH SPT AND DOMINATION OF GRAPH
3	Dr. Shiv Ram Sharma	Govt. P G College, Guna MP	MATLAB with measure theory and application, Integral Transform
4	Dr. Ramkishun Lodhi	Symbiosis International University, Pune	Numerical Solution of Non-linear Equations in MATLAB
5	Prof. (Dr.) Jitendra Binwal	Mody University of Science and Technology	Python models and packages for graph theory
6	Dr. Rishi Kumar Pandey	Mody University of Science and Technology	Thesis/document writing using LaTeX
7	Dr. Anand Sharma	Mody University of Science and Technology	Python object and data structure with Python operators
8	Dr. Narendra Kumar	Mody University of Science and Technology	Prospects of optical computing
9	Dr. Manoj Mishra	Mody University of Science and Technology	LATEX for academic writing
10	Pro. (Dr.) K. L. Ameta	Mody University of Science and Technology	Computational organic chemistry
11	Pro. (Dr.) H. L. Singh	Mody University of Science and Technology	Computational study of inorganic compounds
12	Dr. K. P. Sharma	Mody University of Science and Technology	Introduction to computational biology
13	Dr. R. S. Chundawat	Mody University of Science and Technology	Use of computational biology in toxicological studies



**ONLINE FACULTY DEVELOPMENT PROGRAMME
(FDP) ON**

**Scientific Tools: Latex, MATLAB and Python
(16th – 21th November, 2020)**

Organized by

**Department of Mathematics,
School of Liberal Arts and Sciences (SLAS)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311**

List of Participants

S. No.	Name	Address and Contact Details
1.	Ritu Kanthiya	kanthiyaritu@gmail.com
2.	Vikas Kumar Verma	vvikas1verma@gmail.com
3.	Bhupendra Singh	bhupendrapoonia003@gmail.com
4.	Dr. Garima Sharma	garimasharma.slas@modyuniversity.ac.in
5.	Dr. Kiran Singh Bais	kssingh.slas@modyuniversity.ac.in
6.	Dr. Krishnapal Sisodia	kpsisodia.slas@modyuniversity.ac.in
7.	Dr. Arvind Maharshi	arvindmaharshi.set@modyuniversity.ac.in
8.	Dr. Tathagata Ghosh	tathagataghosh.slas@modyuniversity.ac.in
9.	Anita Mundra	anitamundra19.slas@modyuniversity.ac.in
10.	Dr. A. K. Das	harlalsingh.slas@modyuniversity.ac.in
11.	Dr. Navneet Joshi	navneetjoshi.slas@modyuniversity.ac.in
12.	Dr. Sarita Khaturia	saritakhaturia.slas@modyuniversity.ac.in
13.	Dr. Brajraj Singh	brsingh.slas@modyuniversity.ac.in

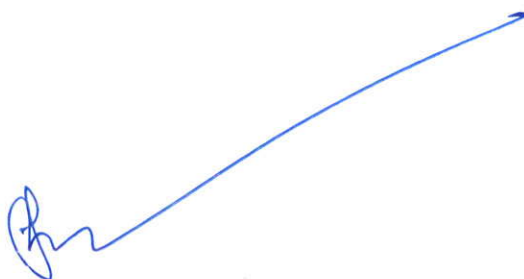


MODY
UNIVERSITY
LAKSHMANGARH - RAJASTHAN

ONLINE FACULTY DEVELOPMENT PROGRAMME
(FDP) ON
Scientific Tools: LaTeX, MATLAB and Python
(16th – 21st November, 2020)
Organized by
Department of Mathematics,
School of Liberal Arts and Sciences (SLAS)
Mody University of Science and Technology
Lakshmangarh, Sikar, Rajasthan. 332311

Date / Time	Inaugural Ceremony	MATLAB with regression analysis	MATLAB with data envelopment analysis	Computational study of inorganic compounds
16.11.2020		Resource Person: Dr. Smita Verma, Assistant Professor, SGSITS Indore	Resource Person: Dr. Smita Verma, Assistant Professor, SGSITS Indore	Resource Person: Pro. (Dr) H L Singh, Professor, SGSITS Indore
17.11.2020	MATLAB WITH SPT Resource Person: Prof. (Dr) Omprakash Sikhwal Professor, Purnima Institute of Engineering and Technology Jaipur	MATLAB WITH SPT Resource Person: Prof. (Dr) Omprakash Sikhwal Professor, Purnima Institute of Engineering and Technology Jaipur	Prospects of optical computing Resource Person: Dr Narendra Kumar Assistant Professor, Mody University of Science and Technology	Prospects of optical computing Resource Person: Dr Narendra Kumar Associate Professor, Mody University of Science and Technology
18.11.2020	MATLAB with measure theory and application Resource Person: Dr Shiv Ram Sharma, Assistant Professor, Govt. P G College, Guna MP	MATLAB with measure theory and application Resource Person: Dr Shiv Ram Sharma, Assistant Professor, Govt. P G College, Guna MP	Computational organic chemistry Resource Person: Pro. (Dr) K L Ameta, Professor, Mody University of Science and Technology	Computational organic chemistry Resource Person: Pro. (Dr) K L Ameta, Professor, Mody University of Science and Technology
19.11.2020	Numerical Solution of Non-linear Equations in MATLAB Resource Person: Dr. Ramkishun Lodhi, Assistant Professor, SIU Pune	Numerical Solution of Non-linear Equations in MATLAB Resource Person: Dr. Ramkishun Lodhi, Assistant Professor, SIU Pune	LATEX for academic writing Resource Person: Dr Manoj Mishra, Assistant Professor, Mody University of Science and Technology	LATEX for academic writing Resource Person: Dr Manoj Mishra, Assistant Professor, Mody University of Science and Technology
20.11.2020	Python models and packages for graph theory Resource Person: Prof. (Dr.) Jitendra Binwal, Professor Mody University of Science and Technology	Python models and packages for graph theory Resource Person: Prof. (Dr.) Jitendra Binwal, Professor Mody University of Science and Technology	Thesis/document writing using LaTeX Resource Person: Dr. Rishi Kumar Pandey Assistant Professor Mody University of Science and Technology	Thesis/document writing using LaTeX Resource Person: Dr. Rishi Kumar Pandey Assistant Professor Mody University of Science and Technology

21.11.2020	<i>Python object and data structure and Python operators</i> Resource Person: Dr. Anand Sharma Assistant Professor Mody University of Science and Technology	<i>Introduction to computational biology</i> Resource Person: Dr K P Sharma Assistant Professor Mody University of Science and Technology	<i>Use of computational biology in toxicological studies</i> Resource Person: Dr. R S Chundawat Assistant Professor Mody University of Science and Technology	Vote of thanks
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**Six Days Faculty Development Programme on
ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
Scientific Tools: Latex, MATLAB and Python**



Organized by
Department of Mathematics
School of Liberal Arts Sciences
Mody University of Science and
Technology, Laxmangarh-332311

Eligibility Criteria
Faculty members, Research Scholars and
Technicians from all streams

Application Link
<https://forms.gle/MuVfRi5TAdCfVWzh9>

Registration Fee
NIL

Course Contents

- Latex
- MATLAB
- Python
- Modeling Tools in Mathematics

Organizing Secretary
Dr. Rishi Kumar Pandey

Convener
Dr. Jitendra Binwal

Patron
Prof. (Dr.) Uma Bhadwal

Info jitenbinwal.s

Maths

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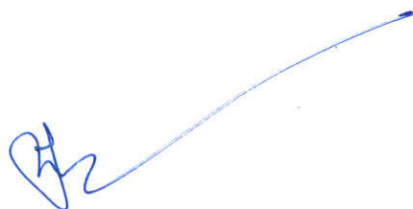
Date

6th

21st November 2021

S. No.	Speaker	Topic
1	Dr. Smita Verma	MATLAB with regression analysis and data envelopment analysis
2	Prof. (Dr.) Omprakash Sikhwal	MATLAB WITH SPT AND DOMINATION OF GRAPH
3	Dr. Shiv Ram Sharma	MATLAB With measure theory and application, Integral Transform
4	Dr. Ramkishun Lodhi	Numerical Solution of Non-linear Equations in MATLAB
5	Prof. (Dr.) Jitendra Binwal	Python models and packages for graph theory
6	Dr. Rishi Kumar Pandey	Thesis/document writing using LaTeX
7	Dr. Anand Sharma	Python object and data structure and Python operators
8	Dr. Narendra Kumar	Prospects of optical computing
9	Dr. Manoj Mishra	LATEX for academic writing
10	Dr. K. L. Ameta	Computational organic chemistry
11	Dr. H. L. Singh	Computational study of inorganic compounds
12	Dr. K. P. Sharma	Introduction to computational biology

13	Dr. R. S. Chundawat	Use of computational biology in toxicological studies
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Receiving of certificate

**FACULTY DEVELOPMENT PROGRAMME (FDP) ON Scientific Tools: Latex, MATLAB and Python
(16th - 21th November, 2020)**

S. No.	Participant's name	Topic of the Talk	Sign.
1	Dr. Smita Verma	MATLAB with regression analysis and data envelopment analysis	
2	Prof. (Dr.) Omprakash Sikhwal	MATLAB WITH SPT AND DOMINATION OF GRAPH	
3	Dr. Shiv Ram Sharma	MATLAB with measure theory and application, Integral Transform	
4	Dr. Ramkishun Lodhi	Numerical Solution of Non-linear Equations in MATLAB	
5	Prof. (Dr.) Jitendra Binwal	Python models and packages for graph theory	
6	Dr. Rishi Kumar Pandey	Thesis/document writing using LaTeX	
7	Dr. Anand Sharma	Python object and data structure with Python operators	
8	Dr. Narendra Kumar	Prospects of optical computing	
9	Dr. Manoj Mishra	LATEX-for academic writing	
10	Pro. (Dr.) K. L. Ameta	Computational organic chemistry	
11	Pro. (Dr.) H. L. Singh	Computational study of inorganic compounds	
12	Dr. K. P. Sharma	LATEX for academic writing	
13	Dr. R. S. Chundawat	Computational organic chemistry	

Signature Convener/ Co-convener

Receiving of certificate

**FACULTY DEVELOPMENT PROGRAMME (FDP) ON Scientific Tools: Latex, MATLAB and Python
(16th - 21th November, 2020)**

S. No.	Participant's name	Sign.
1	Ritu Kanthiya	
2	Vikas Kumar Verma	
3	Bhupendra Singh	
4	Dr. Garima Sharma	
5	Dr. Kiran Singh Bais	
6	Dr. Krishnapal Singh Sisodia	
7	Dr. Arvind Maharshi	
8	Dr. Tathagata Ghosh	
9	Anita Mundra	
10	Dr. A. K. Das	
11	Dr. Navneet Joshi	
12	Dr. Sarita Khaturia	
13	Dr. Brajraj Singh	

Signature Convener/ Co-convener



Attendance Sheet

FACULTY DEVELOPMENT PROGRAMME (FDP) ON Scientific Tools: Latex, MATLAB and Python (16th – 21th November, 2020)

S. No.	Participant's name	11/19/2020				11/20/2020				11/21/2020			
		I Session	II Session	III Session	IV Session	I Session	II Session	III Session	IV Session	I Session	II Session	III Session	IV Session
1	Ritu Kanthiya												
2	Vikas Kumar Verma												
3	Bhupendra Singh												
4	Dr. Garima Sharma												
5	Dr. Kiran Singh Bais												
6	Dr. Krishnapal Singh Sisodia												
7	Dr. Arvind Maharshi												
8	Dr. Tathagata Ghosh												
9	Anita Mundra												
10	Dr. A. K. Das												
11	Dr. Navneet Joshi												
12	Dr. Sarita Khaturia												
13	Dr. Brairaj Singh												

Signature Convener/ Co-convener

Attendance Sheet

FACULTY DEVELOPMENT PROGRAMME (FDP) ON Scientific Tools: Latex, MATLAB and Python (16th - 21th November, 2020)

S. No.	Participant's name	11/16/2020				11/17/2020				11/18/2020			
		I Session	II Session	III Session	IV Session	I Session	II Session	III Session	IV Session	I Session	II Session	III Session	IV Session
1	Ritu Kanthiya												
2	Vikas Kumar Verma												
3	Bhupendra Singh												
4	Dr. Garima Sharma												
5	Dr. Kiran Singh Bais												
6	Dr. Krishnapal Singh Sisodia												
7	Dr. Arvind Maharshi												
8	Dr. Tathagata Ghosh												
9	Anita Mundra												
10	Dr. A. K. Das												
11	Dr. Navneet Joshi												
12	Dr. Sarita Khaturia												
13	Dr. Brajraj Singh												

Signature Convener/ Co-convener

MATLAB with regression analysis and data envelopment analysis

Dr. Smita Verma

SGSITS Indore

MATLAB WITH SPT AND DOMINATION OF GRAPH

Prof. (Dr.) Omprakash Sikhwal

Purnima Institute of Engineering and Technology Jaipur

MATLAB With measure theory and application, Integral Transform

Dr Shiv Ram Sharma
Govt. P G College, Guna MP

Python models and packages for graph theory

Prof. (Dr.) Jitendra Binwal
Mody University of Science and Technology

Thesis/document writing using LaTeX

Dr. Rishi Kumar Pandey
Mody University of Science and Technology

Python object and data structure and Python operators

Dr. Anand Sharma
Mody University of Science and Technology

Prospects of optical computing

Dr Narendra Kumar
Mody University of Science and Technology

LATEX for academic writing

Dr Manoj Mishra
Mody University of Science and Technology

Computational organic chemistry

Pro. (Dr) K L Ameta
Mody University of Science and Technology

Computational study of inorganic compounds

Pro. (Dr) H L Singh
Mody University of Science and Technology

Introduction to computational biology

Dr K P Sharma

Mody University of Science and Technology

Use of computational biology in toxicological studies

Dr R S Chundawat
Mody University of Science and Technology



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Assistant Professor

Convener

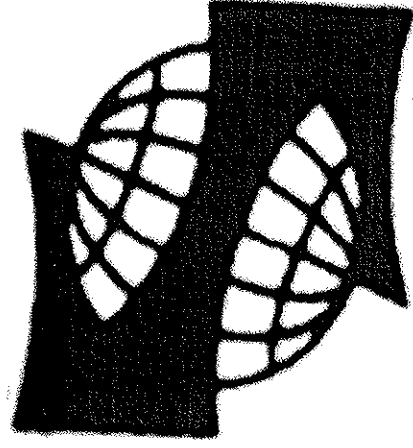
Pro. (Dr.) Jitendra Binwal
Professor and HOD

Patron

Pro. (Dr.) Uma Bhardwaj
Dean (SLAS)

21-11-2020

Numerical Solution of Non-linear Equations in MATLAB



॥ वसुधैव कुटुम्बकम् ॥

Dr. Ram Kishun Lodhi

Assistant Professor (Mathematics)

Department of Applied Science,

Symbiosis Institute of Technology, Pune-412115



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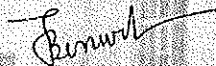
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Anita Mundra
has attended the online FDP on

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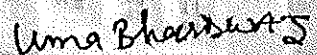
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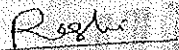
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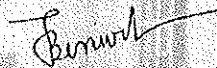
This is to certify that
Bhupendra Singh
has attended the online FDP on

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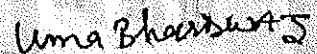
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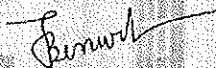
This is to certify that
Dr. A. K. Das
has attended the online FDP on

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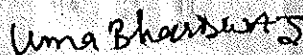
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has attended the online FDP on

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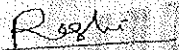
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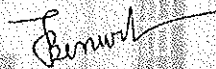
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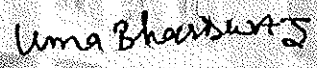
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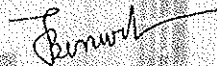
This is to certify that
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has attended the online FDP on

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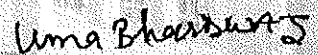
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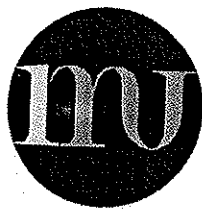
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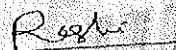
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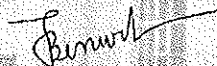
This is to certify that
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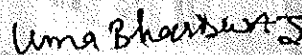
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This is to certify that
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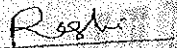
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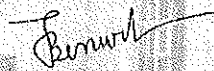
This is to certify that
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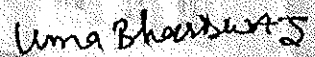
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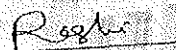
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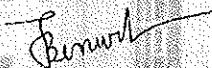
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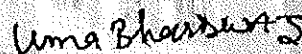
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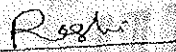
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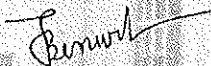
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Vikas Kumar Verma
has attended the online FDP on

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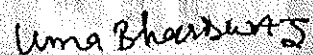
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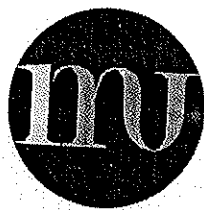
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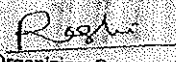
This is to certify that
Pro. (Dr.) K. L. Ameta
has actively participated in the online FDP on

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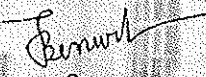
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He has also delivered a talk entitled

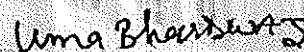
Computational organic chemistry


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has actively participated in the online FDP on

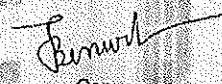
**Scientific Tools: Latex,
MATLAB and Python**

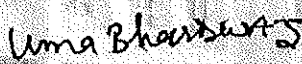
conducted on 16th – 21th November, 2020

He has also delivered a talk entitled
Introduction to computational biology


Organizing Secretary

Dr. Rishi Kumar Pandey
Assistant Professor


Convener
Pro. (Dr.) Jitendra Binwal
Professor and HOD


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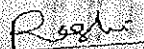
This is to certify that
Dr. Manoj Mishra
has actively participated in the online FDP on

**Scientific Tools: Latex,
MATLAB and Python**

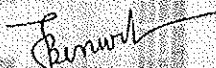
conducted on 16th – 21th November, 2020

He has also delivered a talk entitled

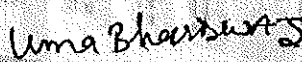
LATEX for academic writing


Organizing Secretary

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Assistant Professor


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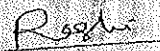
This is to certify that
Dr. Narendra Kumar
has actively participated in the online FDP on

**Scientific Tools: Latex,
MATLAB and Python**

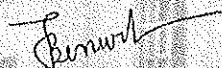
conducted on 16th – 21th November, 2020

He has also delivered a talk entitled

Prospects of optical computing


Organizing Secretary

Dr. Rishi Kumar Pandey
Assistant Professor


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This is to certify that
Dr. R. S. Chundawat
has actively participated in the online FDP on

**Scientific Tools: Latex,
MATLAB and Python**

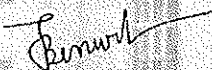
conducted on 16th – 21th November, 2020

He has also delivered a talk entitled

**Use of computational biology in
toxicological studies**



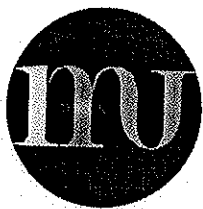
Organizing Secretary
Dr. Rishi Kumar Pandey
Assistant Professor



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Pro. (Dr.) Jitendra Binwal
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This is to certify that
Dr. Shiv Ram Sharma
has actively participated in the online FDP on

**Scientific Tools: Latex,
MATLAB and Python**

conducted on 16th – 21th November, 2020

He has also delivered a talk entitled

**MATLAB with measure theory and
application, Integral Transform**

Organizing Secretary

Dr. Rishi Kumar Pandey

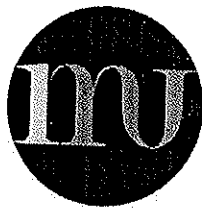
Assistant Professor

Convener

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This is to certify that
Dr. Anand Sharma
has actively participated in the online FDP on

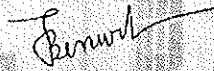
**Scientific Tools: Latex,
MATLAB and Python**

conducted on 16th – 21th November, 2020

He has also delivered a talk entitled
Python object and data structure with
Python operators


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This is to certify that
Dr. Ramkishun Lodhi
has actively participated in the online FDP on

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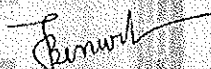
He has also delivered a talk entitled

**Numerical Solution of Non-linear
Equations in MATLAB**



Organizing Secretary

Dr. Rishi Kumar Pandey
Assistant Professor



Convener

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This is to certify that
Dr. Rishi Kumar Pandey
has actively participated in the online FDP on

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He has also delivered a talk entitled

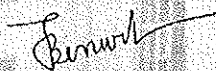
Thesis/document writing using LaTeX



Organizing Secretary

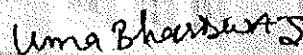
Dr. Rishi Kumar Pandey

Assistant Professor



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This is to certify that
Dr. Smita Verma
has actively participated in the online FDP on

**Scientific Tools: Latex,
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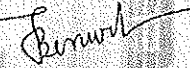
conducted on 16th – 21th November, 2020

He has also delivered a talk entitled

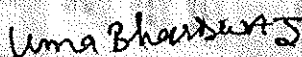
**MATLAB with regression analysis and
data envelopment analysis**


Organizing Secretary

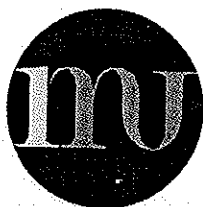
Dr. Rishi Kumar Pandey
Assistant Professor


Convener

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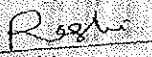
This is to certify that
Pro. (Dr.) H. L. Singh
has actively participated in the online FDP on

**Scientific Tools: Latex,
MATLAB and Python**

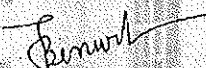
conducted on 16th – 21th November, 2020

He has also delivered a talk entitled

**Computational study of inorganic
compounds**


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Assistant Professor


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This is to certify that
Prof. (Dr.) Jitendra Binwal
has actively participated in the online FDP on

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MATLAB and Python**

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He has also delivered a talk entitled

Python models and packages for graph
theory

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Prof. (Dr.) Omprakash Sikhwal
has actively participated in the online FDP on

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He has also delivered a talk entitled

**MATLAB WITH SPT AND DOMINATION OF
GRAPH**

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**ONLINE FACULTY DEVELOPMENT PROGRAMME ON
SCIENTIFIC TOOLS: LATEX, MATLAB AND PYTHON
(16TH-21ST NOVEMBER 2020)**

**FACULTY CO-ORDINATORS
DR. RISHI KUMAR PANDEY
PROF. (DR.) JITENDRA BINWAL**