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Department of Electrical Engineering

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Academic Year 2022-23

FDP on "Tools for Engineering Research"

	To train engineers with follow research tools:
	1. Plagiarism, Mendeley.
Objective	2. Result Oriented Papers, Systematic Literature Review and Understanding
	PRISMA Flow Guidelines.
	3. LaTex software
	4. Research Project Proposal preparation
	5. Artificial Intelligence and optimization tools
	6. Acquiring data from hardware through IoT
	7. Feature Engineering Analysis
	8. Reliability Evaluation tools
	9. Human Inspired Optimization
	10. Big data analytics
Organizer	Department of Electrical Engineering
	SVKM's Institute of Technology, Dhule
Participating Class &	Faculty from all Engineering branches of SVKM's IOT, Dhule
Division	ring the first and the first a
Date	19/09/2022 to 23/09/2022 (One Week)
Time	9:30 AM to 4:00 PM
Venue	Online – Microsoft Teams in Computer Lab (Room No. 414, Department of Electrical Engineering, SVKM's IOT, Dhule).
Coordinator/s	Mr. Sandeep Ushkewar
	Organizing Team: Mr. Gaurav Patil, Dr. Namra Joshi, Mr. Jagdish More, Ms.
	Farha Naz, Mr. T. N. Shubham, Mr. Shahid Akhtar, Mr. Ankush Kumar
N	Mudholker, Mr. Rahul Thakur, Mr. Jayesh Patil, Mr. Pankaj Bhavsar. 1. Dr. Shimi S.L, Assistant Professor, Electrical Engineering, NITTTR,
Name of Speaker	Chandigarh
with Designation	 Dr.Babankumar Bansod, Senior Principal scientist & Professor, CSIR- CSIO, India
	3. Dr. Jagriti Saini, Founder Eternal RESTEM, Sunder Nagar, HP
	4. Dr. Rishemjit Kaur, Principal Scientist, Centre of Excellence for Intelligent
	Sensors and Systems (ISenS), CSIO, Chandigath 5 Dr. Sheeraz Kirmani, Associate Professor, Aligath Muslim University
	Sensors and Systems (ISenS), CSIO, Chandigarh 5, Dr. Sheeraz Kirmani, Associate Professor, Aligarh Muslim University, Aligarh
	5. Dr. Sheeraz Kirmani, Associate Professor, Aligarh Muslim University,

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Department of Electrical Engineering

The FDP was organized to train engineering with following research tools such as, Plagiarism, Mendeley, Result Oriented Papers, Systematic Literature Review, LaTex software, etc.
 The FDP was conducted in below sequence.
 DAY & 930 AM to 14 00 AM Live Session - 2 Live Session - 3 230 PM to 400 PM

	DAY & DATE	19.30 AM to 11. 00 AM (IST)	Live Session - 2 11.30 AM to 1.00 PM (IST)	2.30 PM to 4.00 PM (IST)
Brief report on activity	Monday 19/09/2022	Plagiarism, Mendeley (SSL)	Research Project Proposal preparation and implementation : Case study on real time projects at CSIO (BB)	Artificial Intelligence and optimization for Engineering Research (SSL)
	Tuesday 20/09/2022	Acquiring data from hardware through IoT, Pre processing, statistical Analysis and visualization (JS)	Feature Engineering Analysis, selection and model building using Machine learning Techniques (JS)	Human Inspired Optimization Algorithm (RK)
	Wednesday 21/09/2022	Reliability Evaluation of Restructured Power System with Integration of RES and Electric Vehicle (SK)	Big Data analytics for Electrical Engineering (SSL)	Research, Innovation and IPR (PS)
	Thursday 22/09/2022	LaTex software (MAS)	LaTex software (MAS)	RTI and Hardware validation for research problem (SSL)
	Friday 23/09/2022	Result Oriented Papers, Comprehensive Literature Review (CLR): Rules, Types (Methodological, Historical, Theoretical etc.), Structure & Organization with Examples (JS)	Systematic Literature Review: Understanding PRISMA Flow Guidelines, Formation o Search Query, Identifying Literature from Databases, Screening, Organizing: Rules and Techniques with Examples (JS)	
Duration of Program	One Week			
Total No. of participants	25			
Survey	ar	Dr. Vishal Moya		Balunke

Attached:-

- 1. Details of the Event
- 2. Event poster
- 3. Event Memories/Pictures
- 4. List of Participants
- 5. Sample Certificate

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1. Details of the Event

Name of Program: FDP on "Tools for Engineering Research".

Objectives: To train researchers with follow content:

- 1. Plagiarism, Mendeley.
- 2. Result Oriented Papers, Systematic Literature Review and Understanding PRISMA Flow Guidelines.
- 3. LaTex software
- 4. Research Project Proposal preparation
- 5. Artificial Intelligence and optimization tools
- 6. Acquiring data from hardware through IoT
- 7. Feature Engineering Analysis
- 8. Reliability Evaluation tools
- 9. Human Inspired Optimization
- 10. Big data analytics

Dates and duration: 19/09/2022 to 23/09/2022 (One Week)

Event Coordinator: Mr. Sandeep Ushkewar

Convener: Dr. Vishal Moyal.

Patron: Dr. Nilesh Salunke

Organizing Team: Mr. Gaurav Patil, Dr. Namra Joshi, Mr. Jagdish More, Ms. Farha Naz, Mr. T. N. Shubham, Mr. Shahid Akhtar, Mr. Ankush Kumar Mudholker, Mr. Rahul Thakur, Mr. Jayesh Patil, Mr. Pankaj Bhavsar.

Participants: Faculty from all Engineering branches of SVKM's IOT, Dhule

Name and details of the speakers:

- 1. Dr. Shimi S.L, Assistant Professor, Electrical Engineering, NITTTR, Chandigarh
- 2. Dr.Babankumar Bansod, Senior Principal scientist & Professor, CSIR-CSIO, India
- 3. Dr. Jagriti Saini, Founder Eternal RESTEM, Sunder Nagar, HP
- 4. Dr. Rishemjit Kaur, Principal Scientist, Centre of Excellence for Intelligent Sensors and Systems (ISenS), CSIO, Chandigarh
- 5. Dr. Sheeraz Kirmani, Associate Professor, Aligarh Muslim University, Aligarh
- 6. Prof. Poonam Syal, Professor, Rural Development, NITTTR, Chandigarh

7. Prof. Mohmad Ishak A Sheikh, Electrical Engineering Department, Government Engineering College, Dahod

2. Event Poster

DTE Code: 5449



Shri Vile Parle Kelavani Mandal's INSTITUTE OF TECHNOLOGY, DHULE

Approved by AICTE, New Delhi, Govt. of Maharashtra and Affiliated to DBATU, Lonere Behind Gurudwara, Mumbai-Agra Highway,Dhule 424001.



3. Event Memories/ Pictures



4. List of Participants

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Attendance Name of the Course: Tools for Engineering Research

Dates: 19.09.2022 to 23 09.2022

5. Sample Certificate

