**SHRI VILE PARLE KELAVANI MANDAL'S**
# Institute of Technology, Dhule
Approved by AICTE New Delhi | Affilated to DBATU, Lonere

## Department of Electrical Engineering

Academic Year 2022-23
## FDP on "Tools for Engineering Research"

| | |
|---|---|
| **Objective** | To train engineers with follow research tools: <br> 1. Plagiarism, Mendeley. <br> 2. Result Oriented Papers, Systematic Literature Review and Understanding PRISMA Flow Guidelines. <br> 3. LaTex software <br> 4. Research Project Proposal preparation <br> 5. Artificial Intelligence and optimization tools <br> 6. Acquiring data from hardware through IoT <br> 7. Feature Engineering Analysis <br> 8. Reliability Evaluation tools <br> 9. Human Inspired Optimization <br> 10. Big data analytics |
| **Organizer** | Department of Electrical Engineering SVKM's Institute of Technology, Dhule |
| **Participating Class & Division** | Faculty from all Engineering branches of SVKM's IOT, Dhule |
| **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 <br> **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. |
| **Name of Speaker with Designation** | 1. Dr. Shimi S.L, Assistant Professor, Electrical Engineering, NITTTR, Chandigarh <br> 2. Dr.Babankumar Bansod, Senior Principal scientist & Professor, CSIR-CSIO, India <br> 3. Dr. Jagriti Saini, Founder Eternal RESTEM, Sunder Nagar, HP <br> 4. Dr. Rishemjit Kaur, Principal Scientist, Centre of Excellence for Intelligent Sensors and Systems (ISenS), CSIO, Chandigarh <br> 5. Dr. Sheeraz Kirmani, Associate Professor, Aligarh Muslim University, Aligarh <br> 6. Prof. Poonam Syal, Professor , Rural Development, NITTTR, Chandigarh <br> 7. Prof. Mohmad Ishak A Sheikh, Electrical Engineering Department, Government Engineering College, Dahod |

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## Department of Electrical Engineering

| Brief report on activity | | | | |
|---|---|---|---|---|
| | 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 & DATE** | **Live Session - 1** 9.30 AM to 11. 00 AM (IST) | **Live Session - 2** 11.30 AM to 1.00 PM (IST) | **Live Session - 3** 2.30 PM to 4.00 PM (IST) |
| | **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 of Search Query, Identifying Literature from Databases, Screening, Organizing: Rules and Techniques with Examples (JS) | STC Valediction, Feedback and Evaluation (SSL) |
| **Duration of Program** | One Week | | | |
| **Total No. of participants** | 25 | | | |

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|---|---|---|
| *Sandeep* | *Moyal* | *Salunke* |
| **Mr. Sandeep Ushkewar** Coordinator | **Dr. Vishal Moyal** Department Coordinator | **Dr. Nilesh Salunke** Principal & Patron |

**Principal**
SVKM's Institute of Technology, Dhule

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

# 3. Event Memories/ Pictures

# 4. List of Participants

**Name of the Course:** Tools for Engineering Research

**Dates:** 19.09.2022 to 23.09.2022

**Venue (Nodal Centre) : SVKM's Institute of Technology,Dhule.**

| Sr. No. | Name of the Participant | Name of the Institute | 19/9/2022 | | | 20/09/2022 | | | 21/09/2022 | | | 22/09/2022 | | | 23/09/2022 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 09.30am-11.00am | 11.30am-1.00pm | 2.30pm-4.00pm | 09.30am-11.00am | 11.30am-1.00pm | 2.30pm-4.00pm | 09.30am-11.00am | 11.30am-1.00pm | 2.30pm-4.00pm | 09.30am-11.00am | 11.30am-1.00pm | 2.30pm-4.00pm | 09.30am-11.00am | 11.30am-1.00pm | 2.30pm-4.00pm |
| 1 | AKSHAY BHARAT JAIN | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 2 | BADJATE SAGARKUMAR KALYANMAL | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 3 | BHUSHAN CHANDRAKANT BEHEDE | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 4 | CHARUDATTA PRAKASH THOSAR | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 5 | DATTATRAY SADASHIV DOIFODE | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 6 | DR. BHUSHAN CHAUDHARI | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 7 | FARHA NAZ | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 8 | JAYESH NANA PATIL | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 9 | KHALID ALFATMI | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 10 | KIRTI SWAPNIL SHINDE | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 11 | KULKARNI MAYURI DIWAKAR | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 12 | M ANKUSH KUMAR | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 13 | NAMRA JOSHI | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 14 | NILESH SURESH PAWAR | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 15 | RUBI MANDAL | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 16 | SACHIN DILIP NERKAR | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 17 | SANDEEP SUNIL USHKEWAR | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 18 | SATISH RAMESH PATIL | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 19 | SHAHID AKHTAR IQBAL AHMED | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 20 | SHITAL VINODKUMAR PATIL | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 21 | SNEHA PATIL | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 22 | THAKARE HITESH RAVINDRA | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 23 | UMAKANT DINKAR MANDAWKAR | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 24 | WAGH MAHESH NANDLAL | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |
| 25 | YOGESH DILIPRAO SONAWANE | SVKM's Institute of Technology,Dhule. | | | | | | | | | | | | | | | |

Local Program Coordinator
Mr. Sandeep Sunil Ushkewar

Principal
SVKM's Institute of Technology, Dhule

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# 5. Sample Certificate



Certificate No: ICT-12932/22

## National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

### Certificate

This is to certify that

**M. ANKUSH KUMAR**

**SVKMS INSTITUTE OF TECHNOLOGY, DHULE MAHARASHTRA**

Participated in the AICTE Recognized Faculty Development Programme

on

**Tools for Engineering Research**

Conducted by

**Electrical Engineering Department**

from

**19/09/2022 to 23/09/2022 (One Week)**

at

**SVKMs Institute of Technology, Dhule. Maharashtra**

Coordinator

Director