



“सेवे यत्नाये हित”

“Techno-Social Excellence”

**Marathwada Mitramandal's  
INSTITUTE OF TECHNOLOGY(MMIT)  
Lohgaon, Pune-47**

**Department of Engineering Sciences  
(Academic Year 2021-22)**

**Report**

**Three Days FDP on**

**Research Tools for Data Science**

**Held on**

**From 29<sup>th</sup> March, 2022 To 31<sup>st</sup> March, 2022**

**Prof. M. R. Yashwante, Dr. A.G. Pal  
Coordinator**

**Dr. Umesh Moharil  
HoD**

**Dr. R. V. Bhortake  
Principal**

## FDP Details

**Subject:** Research Tools for Data Science

**Mode :** Online

**Organized By:** Engineering Sciences Department

**Date:** From 29<sup>th</sup> March. 2022 To 31<sup>st</sup> March. 2022

**Resource Person:**

1. Dr Sesham Anand (Professor of Computer Science and Engineering at Maturi Venkata Subba Rao (MVSR) Engineering College)
2. Dr Sandeep V. M.(Prof. & Head(CSE) Jayaprakash Narayan College of Engineering) Mahabubnagar
3. Dr Rajesh Kulkarni (Associate Professor at MVSR College, Hyderabad, Telangana.)

**Total no. of participants: 221**

## Objectives of FDP

The objectives of FDP are to train Teaching Faculties of all disciplines to understand the concept of research tools for data science, which is an important tool for research. At the end of this FDP, participants will learn the concepts of: Data types, Data visualization Statistical modeling, linear regression, logistic regression, classification and clustering with –

- WEKA basics
- Python basics
- R basics

**Inauguration:**

The program began with a welcome address by Dr. R. V. Bhortake which was followed by the speaker.

**Welcome speech & Overview of FDP:**

In the welcome speech, Prof. M. R. Yashwante greeted the speaker & all participants. She also shared the schedule of three days of FDP. She made the participants aware of the importance of FDP and Research tools for data science.



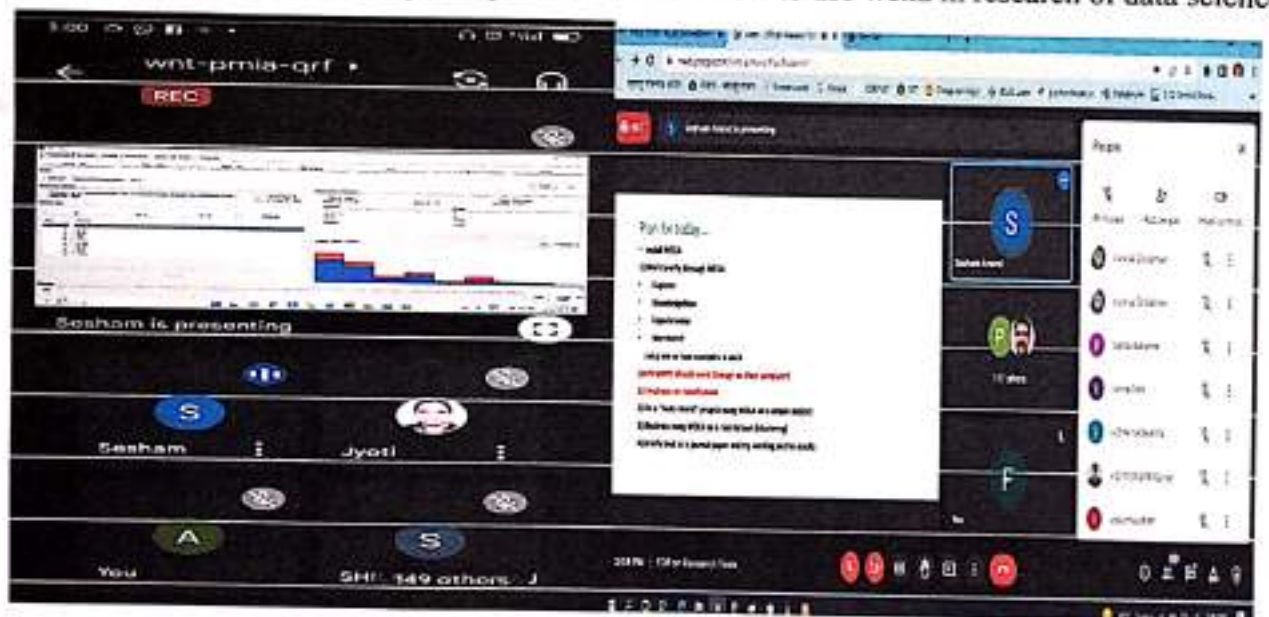
**Day 1:**

**Resource Person:** Dr Sesham Anand

He covered the following topics:

- Introduction to WEKA
- Basics of Weka tool
- How to install weka
- Handson practice on WEKA

He has explained the data types, data visualization, Statistical modeling, linear regression, logistic regression, classification and clustering. He has conducted excellent & very informative sessions on WEKA. At the end of day participants understand how to use weka in research of data science.





Dr. Umesh Moharil (HOD, Engineering Science) gave the vote of thanks expressing the gratitude towards resource persons for sparing their valuable time from their busy schedule. He expressed thanks to Management for supporting and to the Principal for motivating to arrange the FDP. The participants of the FDP wish to thank all resource person, and all the staff from MMIT for their dedication to show all aspects of the process, making the FDP is a valuable learning experience



### **Program Outcomes**

- Enriched knowledge of teaching faculties of all disciplines about the concept of research tools for data science interaction with experts
- Faculties have benefited from this FDP and understood the basics of WEKA, Python & R tools.
- Participants learn the concepts of: Data types, Data visualization Statistical modeling, linear regression, logistic regression, classification and clustering

### **Enclosure**

1. FDP Brochure
2. FDP Poster
3. FDP Schedule
4. List of Participants
5. Attendance of Participants

Three Days Faculty Development Program  
On

**RESEARCH TOOLS FOR DATA SCIENCE**

29<sup>th</sup> To 31<sup>st</sup> March 2022

Organized by



“१०० वर्षांचा प्रेरक”

Department of Engineering Sciences  
Marathwada Mitra Mandal's Institute of Technology (MMIT)

Lohgaon, Pune 411047

[www.mmit.edu.in](http://www.mmit.edu.in)

Accredited with A grade by NAAC



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**Dr. R. V. Bhortake**  
Principal, MMIT, Lohgaon, Pune

### CONVENOR

**Dr. Umesh Moharil**  
HOD, Engineering Science Department, MMIT, Pune

### COORDINATORS

**Prof. M. R. Yashwante, Dr. A.G. Pal**  
Assistant Professor, MMIT, Pune

### SPEAKERS

**Dr. Rajesh Kulkarni**  
**Dr. Sandeep V M**  
**Dr Sesham Anand**

### ORGANISING COMMITTEE

**Prof. Tophik I. Naikwadi**  
**Prof. Vidya M. Nadkarni**  
**Prof. Mukesh M. Sharma**  
**Prof. Ashwini Shirode**

### THE INSTITUTION

The trust "Marathwada Mitramandal, Pune was established in 1967 by Hon. (Late) Shankarraoji Chavan as the Founder President. This trust is established through the inspiration of socially and educationally charged personalities, with motto (Welfare of Masses). The Marathwada Mitra Mandal Institute of Technology (MMIT) is established in year 2008. The Institute runs under graduate engineering programs as Mechanical

Engineering, Computer Engineering, Civil Engineering, Mechanical Engineering and Artificial Intelligence & Data Science. The Institute is accredited with "A" grade by National Assessment and Accreditation Council (NAAC). The institute is also recognized as a nodal center for Virtual Laboratory from IIT Bombay. To impart employability skills in the students, MMCIII (Centre for Invention, Innovation and Incubation) is established through a joint collaboration of Marathwada Mitra Mandal, Tata Technologies and DST, Pune.

### Department of Engineering Sciences

The first year engineering department caters the need of first year studies of all disciplines viz Computer Engineering, Mechanical Engineering, Civil Engineering, Mechatronics Engineering and Artificial Engineering & Data Sciences with student enrollment of 300. The department has well established laboratories and library catering to subject such as Engineering Physics, Engineering Chemistry, Basic Electrical Engineering, Basic Electronics Engineering, Systems in Mechanical Engineering, CAD CAM for Graphics and Computer Laboratories. The department has multidisciplinary faculties who adopt innovative pedagogy and application of Knowledge

### OBJECTIVES OF TECHNICAL SESSION

The objectives of FDP are to train Teaching Faculties of all disciplines to understand the concept of research tools for data science, which is an important tool for research.

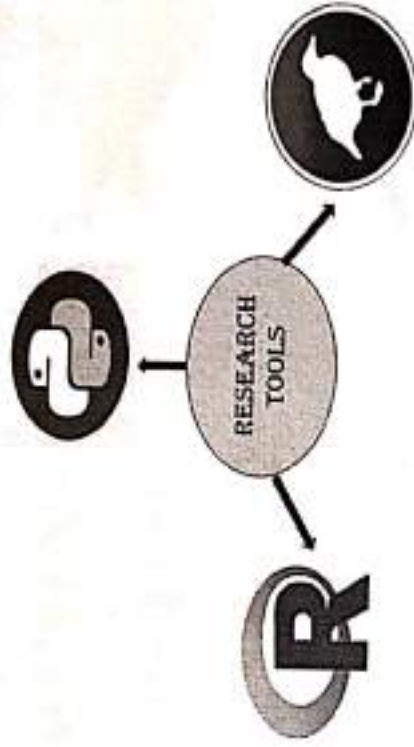
At the end of this FDP, participants will learn the concepts of:

- Data types
- Data visualization
- Statistical modelling, linear regression, logistic regression, classification and clustering with
  - R basics
  - Python basics
  - WEKA basics

### WHO CAN ATTEND?

This FDP is open to all teaching faculty interested in research in data science.

Interested Candidates have to register prior to the date of FDP. Session link will be shared on registered mail ID.



### REGISTRATION DETAILS

- Registration is Free
- Last date to register 27/03/2022
- Certificates will be provided to all participants
- Use below link for Registration: -

<https://forms.gle/NEgreYNzJioDJTwTA>

### FDP SCHEDULE

29<sup>th</sup> to 31<sup>st</sup> March 2022

Time: 2 pm to 4 pm

*(Detailed schedule will be sent on email of registered candidates)*



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“Techno-social Excellence”

**Marathwada Mitra Mandal's**

**INSTITUTE OF TECHNOLOGY**

**Lohgaon, Pune-411047**

Affiliated to Savitribai Phule Pune University, Pune



# Welcomes You All FDP on “Research Tools on Data Science”

Organized By  
Engineering Sciences Dept.  
MMIT, Lohgaon, Pune



**Department of Engineering Sciences**

**Faculty Development Program**

Topic: Research tools for data science

Date: 29th March to 31st March 2022

FDP Schedule

Day and Date	Name of expert	Topic	Time
Day 1, 29th March 2022	Inaugural function Dr Sesham Anand	- WEKA	1.45pm -2pm 2pm to 4pm
Day 2, 30th March, 2022	Dr Sandeep V.M.	Python	2pm to 4pm
Day 3, 31st March 2022	Dr Rajesh Kulkarni Valedictory function	R tool -	2pm to 4pm 4 pm to 4:15 pm

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