

Marathwada Mitra Mandal's
COLLEGE OF ENGINEERING
Karvenagar, PUNE - 411 052
Accredited with 'A' Grade by NAAC

**DEPARTMENT OF INFORMATION TECHNOLOGY
&
DEPARTMENT OF COMPUTER ENGINEERING**

Academic Year: 2019-20 (Sem – I)

Event Name: One week Faculty Development program on "Data Science & Big Data Analytics" in association with ICT academy

Event Date: 29th July 2019 to 2nd August 2019

Venue: Computer Networks Lab (511), Dept. of Computer Engg., MMCOE, Pune

One Week Faculty Development Program on "Data Science & Big Data Analytics" was organized at Marathwada Mitra Mandal's College of Engineering, Karvenagar from 29th July 2019 to 2nd August 2019. This program was jointly organised by Department of Computer Engineering & Department of Information Technology. This FDP was organized under the MoU signed by MMCOE and ICT academy. Total 23 faculties participated in this FDP. This FDP was successfully organized under the guidance of Dr. S. M. Deshpande, Principal, MMCOE; Dr. V. S. Bidve (Head – Department of IT); Dr. S. M Chaware (Head – Department of Computer Engineering). The FDP was coordinated by Ms. Abhilasha Kulkarni (Asst. Prof, Dept of Computer Engineering) and Mr. Nikhil Dhavase (Asst. Prof, Dept of IT).

Topics Covered in FDP:

Day 1: Big Data Analytics

Day 2: Basic of R programming, Operators, Matrix multiplication, vector & list

Day 3: Data Visualization in R – bar plot, pie chart, Histogram, boxplot and many more advanced plot customization.

Day 4: Handling missing values, WhatsApp sentiment analysis, Database connectivity in R, Image Transformation

Day 5: Implementing Apriori Algorithm and Naïve Bayes Algorithm using R

Objective :

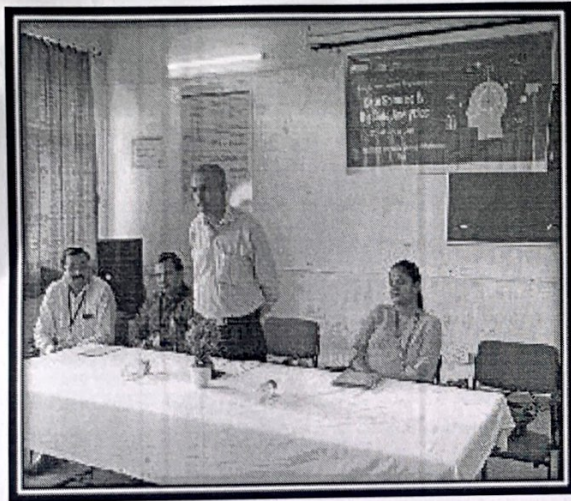
1. To learn how to design and Program R Applications
2. Understand the concept of Vector, Data types and operators in R
3. Plot data using appropriate R Visualization libraries
4. Understand different machine learning algorithm for predictive analysis in R

Outcomes:

1. Faculties will develop relevant programming abilities
2. Faculties will apply data science concepts and method to solve problems in real world contexts by using advanced Analytics Theory , Methods, Technologies and Tools

CONCLUDING REMARK:

The participants shared their feedback positively about the FDP. All the participant have actively participated in all the session and completed the activity assigned to them.

Photographs of Event:

[1] Principal Dr. S.M. Deshpande giving the insight about the workshop



[2] Ms. Navpreet Kaur (Workshop Trainer) felicitated by Dr. S. M. Deshpande (Principal, MMCOE)



[3] Inaugural session



[4] Handson session



Valedictory function on 2nd Aug 2019

Mrs. Abhilasha D. Kulkarni *Abhilasha*
Mr. Nikhil Dhavase
Coordinators

S. M. Chaware
Dr. S. M. Chaware
HOD, Computer Engineering

V. S. Bidve
Dr. V. S. Bidve
HOD, IT

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