



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY FDP on “Machine Learning Techniques & R – Programming”

June 11-12, 2018

REPORT

A two day Faculty Development Program on “**Machine Learning Techniques & R – Programming**” was conducted by the Department of **Information Technology** from June 11-12,2018. The topic was selected so as to promote awareness in the contemporary technologies in the IT Industry.

The FDP aimed to provide opportunities to faculty members, research scholars and post graduate students so as to enrich their teaching skills and research ideas in machine learning and their applications in image processing, natural language processing and other domains. The program also intended to develop the knowledge of participants in simulation with advanced software in the relevant fields of computer science.

There were 50 participants from various institutions who included faculty members and research scholars.

The esteemed personalities who were present for the Inaugural were **Dr.V.S.K Reddy**, Principal, MRCET, **Dr.C.Krishna Mohan**, Associate Professor, Department of CSE, IIT HYD (Chief Guest), **Prof.K.Kailasa Rao** (Director – CSE/IT), **Dr.G.Sharada** (HOD, IT) and **Dr.D.Sujatha** (HOD, CSE). The inauguration was followed by the felicitation of Chief Guest by our Principal **Dr.V.S.K Reddy**.

The first technical session was on the topic “Introduction to Machine learning & Big Data” by **Dr.C.Krishna Mohan**. In his talk he discussed the use of technology in **Artificial Intelligence**. He also discussed the latest trends which are observed in various researches and the perception for the same. The next session was delivered by **Dr R.Roopa Chandrika**, Professor in the Dept of IT, MRCET on **Data Analysis and Analytics Tools**. The purpose of data analysis was discussed with current applications. The tools required for the applications were introduced. A case study on data analysis was discussed.

The afternoon session was followed by the **Dr.P.Manimaran**, Assistant Professor, CR Rao Advanced Institute of Mathematics and Science, on the topic “**Time Series Analysis and Forecasting in R**”. He discussed the concept of fractals used for generating time series for real time applications. The discussion was also on time series Analysis and probabilistic Tools that are implemented using R tool.

The Forenoon Session of Day-2 was delivered by **Mr.Narahari Narasimhaiah**, Associate Director, Cognizant Solutions, Hyderabad, on the topic “**Machine Learning Algorithms Using Python**”. The lecture was very beneficial and provided an insight on the various challenges associated which

Machine Learning and also discussed the relevant algorithms like supervised, unsupervised with algorithm implementation using Python.

The afternoon Session of Day2 was given by **Dr. N.S.Gowri Ganesh**, Professor, Dept of IT, MRCET on the topic “**Introduction to R Programming**”. The Lecture was on the installation of the open source tool –R and also basic and advanced R commands from the CRAN repository. The session also had a discussion on a case study using R.

The FDP was concluded by taking feedback about the programme from the participants which was followed by the issuing of certificates to all the participants by **Dr.G.Sharada**, HOD, Dept of IT. Vote of Thanks was rendered by **J.Suneetha**, Associate Professor, Dept of IT, MRCET.





THANKS