

**5 Days Faculty Development Program**  
**on**  
**“Data Science using R”**  
**Sponsored by TEQIP-III, DBATU, Lonere**

Department of Computer Science & Engineering has organized one week Faculty Development Program (FDP) on “Data Science using R-Programming” from 7<sup>th</sup> January to 11<sup>th</sup> January 2019. The inauguration ceremony of this FDP was blessed with guests like Dr. Y. V. Joshi (Director SGGS IE&T and Executive Council Member DBATU, Lonere), Dr. S. K. Chidrawar (Director MPGI School of Engineering and Executive Council Member DBATU, Lonere) and the resource person for this FDP Mr. Tushar Kute (miTu Skillologies, Pune).

Dr. Y. V. Joshi in his speech addressed all the audience by his precious words. He started with the evolution of computer hardware and software. He continued to revise the change in technology and its importance. Later he discussed the needs of latest programming languages such as Python, R-programming etc. Our second guest of honor Dr. S. K. Chidrawar spoke about the importance of FDP conduction. And the later session was continued by Mr. Tushar Kute who started the FDP with the basics of R-language.

The day 02 of FDP started with the introduction of data frames. The session included creation of data frames, accessing those, expanding that is adding columns and rows to data frames etc. After this the connectivity of R-programming with Databases was covered in which participants used My-SQL as a database to connect with front-end. Later session was continued with data analysis in which drawing graphs and charts for the existing data was taught.



### GLIMPS OF INAUGURATION CEREMONY OF FDP



### AUDIENCE PATIENTLY ATTENDING THE SESSIONS

On this day we had Dr. S. S. Sane Professor, K. K. Wagh College of Engineering, Nashik. He discussed with us different types of Classification techniques and explained the concepts of single-label and multi-label learning. The different approaches of Multi-label learning were discussed in detail along with live examples by Dr. Sane. The further sessions were continued by Mr. Kute in which

he covered the topics like Basic Data Analytics, Data Pre-processing and exploratory data analysis.

Day-04 started with the advanced topics like Statistical- Regression, Time series analysis, KNN- learning and Association Rule Mining. For each and every advanced topic the suitable examples and applications were taken.

Mr. Mukesh Jain took a Use Case study on FOREX Predictions in R. His next session included a discussion on Data Driven Product Innovation and End to End Cycle of Analytics. Later in the session Mr. Mukesh Jain headed the discussion on Practical aspects of using Analytics in Product Innovation with Real Case-Studies from Industry.

The valedictory ceremony for the 5 days FDP on “Data Science using R” had eminent guests like Dr. V. G. Gaikar (Vice Chancellor, DBATU, Lonere), Mr. Mukesh Jain (V. P., Head Insights & Data Technology at Capgemini). Mr. Mukesh Jain continued the session, in which he took some company application and case studies for R-programming.



**A SESSION BY Mr. MUKESH JAIN**

Dr. V. G. Gaikar started his address with the gap between the corporate system and the academics that are taught in the institutes these days. He explained the

gathering that the FDP programs are conducted so that faculty colleagues should go in the industry to train the industrial employee. His motivational words impressed all the audience and encourage the faculty members to be a resource person some day.



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