

# Event Report

## Data Science & Analytics

The training programme “Data Science & Analytics” was a 10 days (60 hrs) training programme in the domain of data science and Analytics which was held on IIT Indore (M.P.) from 2<sup>nd</sup> March 2020 to 12<sup>th</sup> March 2020. The day 10<sup>th</sup> March 2020 was the holiday on the occasion of Holi Festival.

This 10 days programme mainly covered the introduction to Basic Statistics for Data Science, Basics of Linear algebra and equation solving, Hands on in Python, Signal processing and ML based methods for classifying Epileptic and non-epileptic cases using EEG samples, Hands on in Matlab, SVM Introduction and hands on in Matlab for IRIS dataset classification, AI and Automation driving digital transformation for document understanding and Analysis, Use cases like Duplicate Invoice detection, Fraud detection in credit card, Question Answering on unstructured Data. Besides these mathematical topics also the experts tried to cover Neural Networks and a sample application of classification (applying Neural networks), Kruskal Wallis Test - non parametric test for attribute selection based on their probability on different online available datasets.

Dr. Parimal Kar (Prof. IIT Indore) was the programme coordinator. This training programme was mentored by experts both from academic as well as industry. There were experts from IIM Indore as well. The industry experts Dr.Kuntal Dey, Dr.Sudhanshu Singh, Dr.Jitendra Singh from IBM, New Delhi explained us about the Modeling correlation between social connections and topics on Social Media, Optimization in machine Learning Optimization and ML, Reimagining agribusiness with emerging Technologies.

Overall the programme was not centered on one stream. It was meant for faculty of all streams, yet not only for computer science people. But besides this, it was so nicely organized by the coordinators and experts for the overall improvement of faculty. i would like to thank worthy Principal sir who gave me this opportunity to attend this programme. Also I thank respective HOD Sir and TEQIP-III coordinator who facilitated me with all the adjustments and help, I needed during the planning of the programme. Thank you all so much.

