

SRI CHANDRASEKHARENDRA SARASWATHI VISWA MAHAVIDYALAYA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Report on ICT Course on Data Science using R from 14-18 Oct,
2019 (ICT-37) in Association with NITTTR Chandigarh**

The Computer science department has conducted 5 days short term programme on “*Data science using R*” in association with NITTTR Chandigarh. This event was an ICT mode of programme. The STP was coordinated by **Dr.R.Poorvadevi**, Assistant professor, CSE department and **Ms.D.Thamaraiselvi**, Assistant professor, CSE Department. Programme has started with the inauguration and first day the various concepts like introduction to R and its installation, introduction to data structures, vectors and matrices were well elaborated by the eminent resource persons. The second day various topics such as Data Structures: Arrays, Lists and Practice were discussed.

Third day Introduction to Data Science, Importing Datasets, Data Frames, Reshaping and Transformation of Data, Missing Value Treatment and Imputation in R, Outlier detection, Descriptive Statistics - Measures of Central Tendency, Hypothesis Testing / Inferential Statistics, Correlation, Predictive Analytics using R - Linear Regression, Logistic Regression was well explained to the audience. Fourth day the hands on practice concepts of R for Machine Learning Based upon Classification: Decision Tree and Random Forest was explained. The final day R for Machine Learning Based upon Clustering, Graphical Analysis using R, R for Social Media Mining and Sentiment Analysis was discussed. Around 40 faculty members from various departments and 10 computer science students were actively participated in the short term course. The event was successfully ended with the feedback and suggestion sessions. The participants are given an excellent feedback about the course.