

# Department of Computer Science and Information Technology

## The Two Day's Workshop on "R Tool"

The work-shop on R Tool was held on the Date 13-14 Jan 2018 by IQAC Cell in the Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University Aurangabad. The Resource Person of the day was Dr. Ramesh R. Manza (Associate Professor) CS&IT Department. The total 70 participant has Participate in the work-shop of different classes as M.phil, M.tech, And Ph.d fellow among which 5 where faculty members. (Teacher).

The Objective behind this work-shop was make student aware which the R Tool and its working which will help them in their research work. In this work-shop following contents covered.

R - Overview ,Setup, R - Data Types ,R - Variables R - Operators ,R - Decision Making ,R - Loops R - Functions ,R - Strings R - Vectors ,R - Lists R - Matrices ,R - Arrays ,R - Factors ,R - Data Frames ,R - Packages ,R-Data Reshaping R - CSV Files ,R - Excel Files ,R - Binary Files ,R - XML Files ,R - JSON Files ,R - Web Data R - Database ,R - Pie Charts ,R - Bar Charts ,R – Box plots ,R - Histograms ,R - Line Graphs ,R – Scatter plots ,R - Mean, Median & Mode , R - Linear Regression ,R - Multiple Regression ,R - Logistic Regression ,R - Normal Distribution R - Binomial Distribution ,R - Poisson Regression ,R - Analysis of Covariance ,R - Time Series Analysis ,R - Nonlinear Least Square ,R - Decision Tree ,R - Random Forest ,R - Survival Analysis ,R - Chi Square Tests

At the end of the workshop, It has benefited the student for Theory knowledge as well as practical knowledge about R Tool.