About the course
This workshop will cover all the supervised and unsupervised machine learning techniques used in the field of economics, commerce and management. After the completion of the workshop, the participants will be able to apply the techniques to fulfill their research/academic purposes. The workshop will discuss all the techniques from scratch. Throughout the course, more hands on sessions are included for the benefit of the participants.

Focal Points
- Introduction to machine learning
- Installation- Python, R and MATLAB/SCILAB
- Regression models in machine Learning
- Linear regression and multiple regression- LAB
- Regression–SVR, DT and RF– Theory & LAB
- Logistic Regression–Theory & LAB
- K–Nearest Neighbour–Theory & LAB
- Support Vector Machine–Theory & LAB
- Bayesian Classifier–Theory & LAB
- Decision tree classification– Theory & LAB
- Random Forest classification– Theory & LAB
- Clustering
- Dimensionality Reduction– Theory & LAB
- Hands on regression techniques
- Hands on classification technique
- Hands on cluster analysis

TARGET AUDIENCE
- Students (UG & PG)
- Ph.D. Scholars
- Faculty &
- Working professionals
DOHSS-NITT
The Department of Humanities and Social Sciences, since its inception in the year 2004, has catered to independent interdisciplinary research and dynamic collaboration to meet the existing demands of industry, business, public and private organizations and academic services.

ICE-NITT
Department of Instrumentation and Control Engineering was established in the year 1993. The department with its state of the art laboratories, as well as young and dynamic faculty is involved in providing quality education at UG, PG and PhD levels.

DOA-NITT
The Department of Architecture was started in the year 1980. The departments core curriculum is implemented by a team of faculty from varied specializations that include landscape architecture, project planning, city planning and urban development.