Mu Sigma

DO THE MATH

Course Announcement
Machine Learning Program

April 1

2020

Topic	Machine Learning Program
Credits	**10 credits**
Course Duration	**6 weeks**
Learning Outcomes	▸ Familiarize with machine learning concepts
Pre-requisite	▸ Basics of R and Python Programming
Module Components	▸ R Programming (Pre-requisite) ▸ Python programming (Pre-requisite) **Mandatory Components:** ▸ Hypotheses testing ▸ Exploratory Data Analysis ▸ Feature Engineering ▸ Forecasting **Specialization components (pick one):** ▸ Regression ▸ Classification ▸ Clustering
Course Links	▸ [Machine Learning course](#)

Process to attain credits	▸ Study all the mandatory and chosen specialization modules in the course
	▸ Solve all the assignments associated with above
	▸ Attend all the classroom sessions
	▸ Clear the final assessments on
	    • Hypotheses testing (MCQ)
	    • EDA (MCQ)
	    • Feature Engineering (MCQ)
	    • Forecasting (Subjective test)
	▸ Select your any one specialization among **Regression/Classification/Clustering**
	▸ Clear the final assessment on selected specialization (Subjective test)
	    • Regression
	    • Classification
	    • Clustering

Mode of Training	▸ Classroom and Self-learning
Final Assessment	▸ MCQ (25 mins) ▸ Subjective test (2 hour)
Passing score	▸ **80%**
Marks Distribution	▸ **Hypotheses Testing, EDA, Feature Engineering** (Tot. Marks: 45), **Forecasting** (Tot. Marks: 25) are the **Preliminary assessments:** Total Marks: 70, Passing Marks: 56 (80%) ▸ **Regression/Classification/Clustering** (Tot. Marks: 30, Passing Marks: 24 (80%))