

Name of Faculty	Vikas Deswal		
Discipline	Department of Management Studies		
Semester	Fourth Semester (IV)		
Subject	Predictive Analysis for Business Decision(BAI-404)		
Lectures Required	Topic (Including Assignment/Test)	Practical Day	Topic (Including Assignment/Test)
3	Introduction of Data, Information, Knowledge and Learning	1	What is AI &ML. What is the need of machine learning in current business scenario
	Introduction of Artificial Intelligence		
	Introduction of Machine Learning		
	Need of Machine Learning in current scenario.		
3	Supervised v/s Unsupervised learning		
	Examples of types of Machine Learning	1	What is the need of data processing.
3	Preparing Data for predictive modeling		
	Need of data, cleaning, processing of data.		
4	Data exploration using various supervised machine learning algorithm	1	Write a short note on various supervised machine learning algorithm.
	Decision Tree		
	Cultivating Decision tree		
	Optimizing decision tree and interpreting decision tree.		
2	Regression Algorithm, linear, logistic regression	1	
	Selecting regression input		
	Optimizing regression complexity		

	Interpreting regression model		
2	Categorical model	1	What do you mean by model ensembling.
	Categorical input treatment		
	Categorical input consolidation data		
	Reduction or selection strategy		
3	Model Assessment		
	Model fit Statistics		
2	Comparing and assessing the model		
2	Predictive model implementation		
2	Statistical graphics for comparison and assessment of model		
2	Model Ensembling		
2	Clustering and segmentation of analysis		
2	K-means clustering	1	What do you mean by K-means clustering.
	Profiling and interpreting clusters		