

PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
PANIPAT
Department of Management Studies

Semester: 4th

Course Title: Predictive Analysis for Business Decision

Course No . BA-404

Sr. No.	Lecture No.	Topics to be covered	Target Outcome
1	L-1	Introduction to predictive Analytics	CO1
2	L-2	Introduction to Supervised Learning and Unsupervised Learning	CO1
3	L-3	Preparing Data for predictive modeling - Data Exploration Session 1	CO1
4	L-4	Preparing Data for predictive modeling - Data Exploration Session 2	CO1
5	L-5	Preparing Data for predictive modeling - Data Exploration Session 3	CO1
6	L-6	Introduction to Decision Trees	CO2
7	L-7	Cultivating Decision Trees: Session 1	CO2
8	L-8	Cultivating Decision Trees: Session 2	CO2
9	L-9	Optimizing the Complexity of Decision Trees: Session 1	CO2
10	L-10	Optimizing the Complexity of Decision Trees: Session 2	CO2
11	L-11	Interpreting Decision Trees	CO2
12	L-12	Introduction to Logistic Regression Simple Logistic Regression Session	CO3
13	L-13	Multiple Logistic Regression: session 1	CO3
14	L-14	Multiple Logistic Regression: session 2	CO3
15	L-15	Selecting Regression Inputs Optimizing Regression Complexity	CO3
16	L-16	Interpreting Regression Models	CO3
17	L-17	Introduction to Transforming Inputs -	CO4
18	L-18	Categorical Inputs Treatment: Session 1	CO4

Sr. No.	Lecture No.	Topics to be covered	Target Outcome
19	L-19	Categorical Inputs Treatment: Session 2	CO4
20	L-20	Categorical Input Consolidation	CO4
21	L-21	Data Reduction/Selection Strategy: Session 1	CO4
22	L-22	Data Reduction/Selection Strategy: Session 2	CO4
23	L-23	Introduction to Machine Learning Algorithms Session 1	CO5
24	L-24	Introduction to Machine Learning Algorithms Session 2	CO5
25	L-25	Model Assessment	CO5
26	L-26	Model Fit Statistics	CO5
27	L-27	Statistical Graphics for Comparing and Assessing Models Implementing	CO5
28	L-28	Predictive Models-Ensemble Models	CO5
29	L-29	Clustering and Segmentation Analysis K-Means Clustering	CO5
30	L-30	Profiling and Interpreting Clusters	CO5
31	L-31	Revision class	
32	L-32	Previous Year Question Paper	