	PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY			
	DEPARTMENT OF CSE (AI-ML)			
	Subject Name: - Applied Statistical Analysis for AI. Subject Code:-(PC-CS-AIML-201A) 3rd Sem			
	LESSON PLAN			
S.No.	Lecture No.	Topics to be covered	Assignment No	Teaching Methodology
1.	L-1	Meaning of Statistics, Experimental and survey data	Assignment No 1	White Board
2.	L-2	Population and Sample	Assignment No 1	White Board
3.	L-3	Census and Sampling Methods	Assignment No 1	White Board
4.	L-4	Census and Sampling Methods	Assignment No 1	White Board
5.	L-5	Parameter and Statistic	Assignment No 1	White Board
6.	L-6	Examining Relationships	Assignment No 1	Smart Board
7.	L-7	Introduction to SPSS	Assignment No 1	Smart Board
8.	L-8	Types of Data, Data Transformation	Assignment No 1	White Board
9.	L-9	Graphical method, Summarizing data	Assignment No 1	White Board
10.	L-10	Measure of Central Tendancy	Assignment No 2	White Board
11.	L-11	Measure of Central Tendancy	Assignment No 2	White Board
12.	L-12	Measure of Dispersion	Assignment No 2	White Board
13.	L-13	Measure of Dispersion	Assignment No 2	White Board

14.	L-14	Level of Measurement	Assignment No 2	White Board
15.	L-15	Random Variable: Discrete and Continuous	Assignment No 2	White Board
16.	L-16	Probability Distributions	Assignment No 2	White Board
17.	L-17	Probability Distributions	Assignment No 2	White Board
18.	L-18	Probability Distributions	Assignment No 2	White Board
19.	L-19	Estimator and Estimate	Assignment No 2	White Board
20.	L-20	Estimator and Estimate	Assignment No 2	White Board
21.	L-21	Confidence interval for population mean	Assignment No 2	White Board
22.	L-22	Null and Alternate Hypothesis, Type I and Type II Error	Assignment No 2	White Board
23.	L-23	Test of Hypotheis of population mean	Assignment No 2	White Board
24.	L-24	Test of Hypotheis of population proportion	Assignment No 2	White Board
25.	L-25	Test of Hypotheis of population variance	Assignment No 3	Presentation

26.	L-26	Test of Hypotheis of population mean for dependent and independent samples.	Assignment No 3	Presentation
27.	L-27	Analysis of Variance	Assignment No 3	Presentation
28.	L-28	Analysis of Variance	Assignment No 3	Presentation
29.	L-29	Analysis of Variance	Assignment No 3	Presentation
30.	L-30	Karl Pearson coefficient of correlation	Assignment No 3	Presentation
31.	L-31	Karl Pearson coefficient of correlation	Assignment No 3	Presentation
32.	L-32	Rank correlation cofficient	Assignment No 3	Presentation
33.	L-33	Partial correlation	Assignment No 3	Presentation
34.	L-34	Partial correlation	Assignment No 4	White Board
35.	L-35	Residuals and Plots	Assignment No 4	White Board
36.	L-36	Simple Regression	Assignment No 4	White Board
37.	L-37	Simple Regression	Assignment No 4	White Board
38.	L-38	Multiple regression	Assignment No 4	White Board
39.	L-39	Multiple regression, Repeated Measures	Assignment No 4	White Board
40.	L-40	Non Linear regression	Assignment No 4	White Board
41.	L-41	Non Linear regression	Assignment No 4	White Board

42.	L-42	Polynomial Regression	Assignment No 4	White Board
43.	L-43	Polynomial Regression	Assignment No 4	White Board
44.		Revision		White Board
45.		Revision		White Board