

Name of Faculty : Er. Anju Godara ,Assistant professor
Discipline : CSE(Data Science)
Semester : 5th
Subject : R Programming(PC/CDS/52-T
Work Load : (Lecture/Practical) per week (in hours): Lectures-02hours

Theory		Topic Covered Date and Remarks		
Lecture Day	Topic (Including Assignment/Test)	Date	Hod	Director-principal
1	Introduction to R programming			
2	R and R Studio			
3	Installation and R studio			
4	Functioning in the console arithmetic and logical			
5	Making use of functions			
6	Obtaining Assistance in R and leaving R studio			
7	Operators and variables available in R			
8	Variables numeric logical and character			
9	Vector ,factors			
10	Data framesand numeric and character			
11	Factor Vector sorting			
	FIRST MINOR TEST			
12	Control structure in R			
13	If-else statements			
14	For and while loop repeat loop			
15	Break and next statement			
	ASSIGNMENT FIRST			
16	R Plot R Bar and R line			
17	Data tyoe in R			
18	Create vector (access element in vector, operation on vectors)			
19	Vector Arithmetic and logical operations			
20	Matrices creation access matrices			
21	Matrices operation and transpose of matrices			
22	Create string copy string using format to format integers			
23	Manipulation of strings			
24	Create and modify list			
25	Manipulate list and combine list elements			
26	Convert list to vector			
	SECOND MINOR TEST			
27	Array creation and access array elements			
28	Data frames creation and access			
29	Manipulation data frame			
30	Data visualization			
31	Data visualization through various plots and charts			
32	Data visualization using Bar chart			
	ASSIGNMENT SECOND			
33	Data visualization using Histogram			
34	Data visualization using Scatterplot			
35	Data visualization using Box Plot			
36	Students T test			
	THIRD MINOR TEST			

