Lesson Plan

Name of Faculty : **Ms Anju Godara Assistant Professor**
CSE Discipline : **CSE(DATA SCIENCE)**
Subject : **R Programming Lab(PC/CDS/52-P)**
Work Load : **Lecture:02 hours/Practical-02hours**

Theory/ Practical (Group-I/ II)		Topic Covered Date and Remarks		
Practical Day	**Topics/ Programs**	**Date**	**HOD**	**Director- Principal**
1	Installation R studio and explore its GUI .			
2	How to install R packages and also few basic commands to Get started. Like Install package, packge description,help ,find package etc.			
3	Explore base R package datasets .Write a description of following dataset: Hair eye color ,Iris, Airquality, mtcars.			
4	*Program to create vector of a specified type and length. Create vector of numeric, complex, logical and character types of length 6. * R program to add two vectors of integers type and length 3. * R program to find Sum, Mean and Product of a Vector.			
5	* Write a R program to find the levels of factor of a given vector. * R program to create a factor corresponding to height of women data set, which contains height and weights for a sample of women. Write a program to check whether a year entered by user is a leap year or not.			
5	R program to create a list containing strings, numbers, vectors and a logical values. R program to list containing a vector, a matrix and a list and give names to the elements in the list. R program to create a matrix taking a given vector of numbers as input. Display the matrix. R program to create two 2x3 matrix and add, subtract, multiply and divide the matrixes.			

6	Illustrate the use of control , looping statement and user define functions.			
7	R program to get the first 10 Fibonacci numbers.			
	Internal viva			
8	Define different charts and writing the finding on basis of these charts.			
9	Import data from excel to csv file using data viewer rm(),dim(),head(),tail(),sort ,filter and searching .			
10	.			