



## **SIES Graduate School of Technology**

### **Report**

### **3 days Hands on Training on**

### **Introduction To R**

CE department faculties have conducted three days student development program on, "Introduction to R", for second year CE/IT engineering students from 20 to 22 Dec 2017. Workshop was conducted by Prof. Pranita Mahajan and Prof. Yashashree B. Objective of the workshop was to introduce second year students to new tools and technologies for statistical data analysis. 25 students had registered for the workshop. Certificates were given to the students on successful completion of assignment work.

During workshop daily assignments were given and day wise feedback was collected. 16 students successfully completed the workshop.

**Workshop Coordinator**

**Pranita Mahajan**

**Department of Computer Engineering**

**Organizes**

**3 days Hands on Training on  
Introduction To R  
20 - 22 December, 9.30 AM to 4.00 PM**

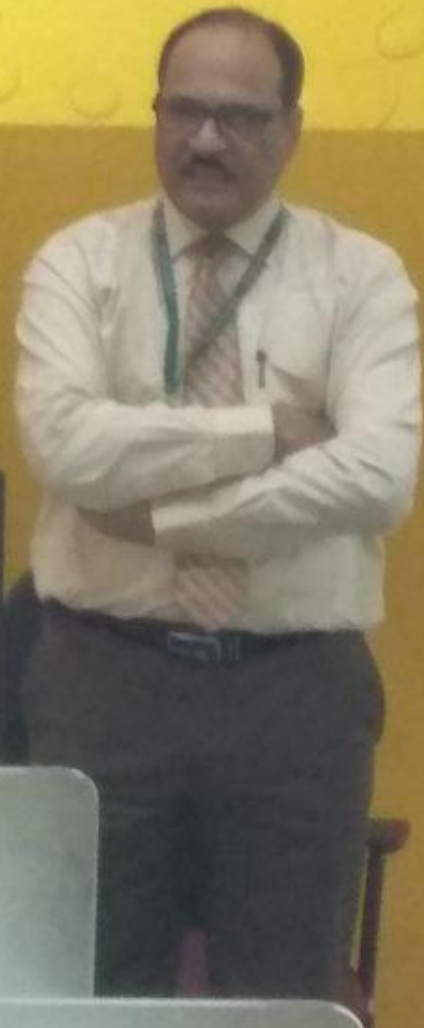
**Day wise Schedule**

Day	Time Duration	Activity
Day 1	2Hrs	<b>Theory session 1: Introduction and preliminaries</b> System requirement Installation Understanding R Environment Packages and libraries Basics of R programming
	2Hrs	<b>Theory session 2: Variables and operators</b> <ul style="list-style-type: none"><li>● R Objects</li><li>● Decision making and looping</li><li>● R Functions - Inbuilt and user defined functions</li></ul>
	2 Hrs	<b>Lab Session 1</b>
Day 2	2Hrs	<b>Theory session 3 : Importing data in R</b> Reading file <ul style="list-style-type: none"><li>● CSV</li><li>● Text</li><li>● Excel</li></ul>
	2 Hrs	<b>Theory session 4 : Data Visualization with R</b> <ul style="list-style-type: none"><li>● Introduction to R graphics</li><li>● Different plot types</li><li>● Adding details to plot</li></ul>
	2 Hrs	<b>Lab session 2</b>
Day 3	2 Hrs	<b>Theory session 5 : Shiny package in R</b> Installing and using package Shiny R
	2Hrs	<b>Theory session 6 : Designing interactive UI using Shiny R</b>
	2 Hrs	<b>Lab Session 3</b>



## PHOTOS

SDP  
ON  
1. ETHICAL HACKING AND  
SECURITY  
2. DATA MINING WITH R  
Organized By  
Department of Computer  
Engineering  
Sies Graduate School of  
Technology





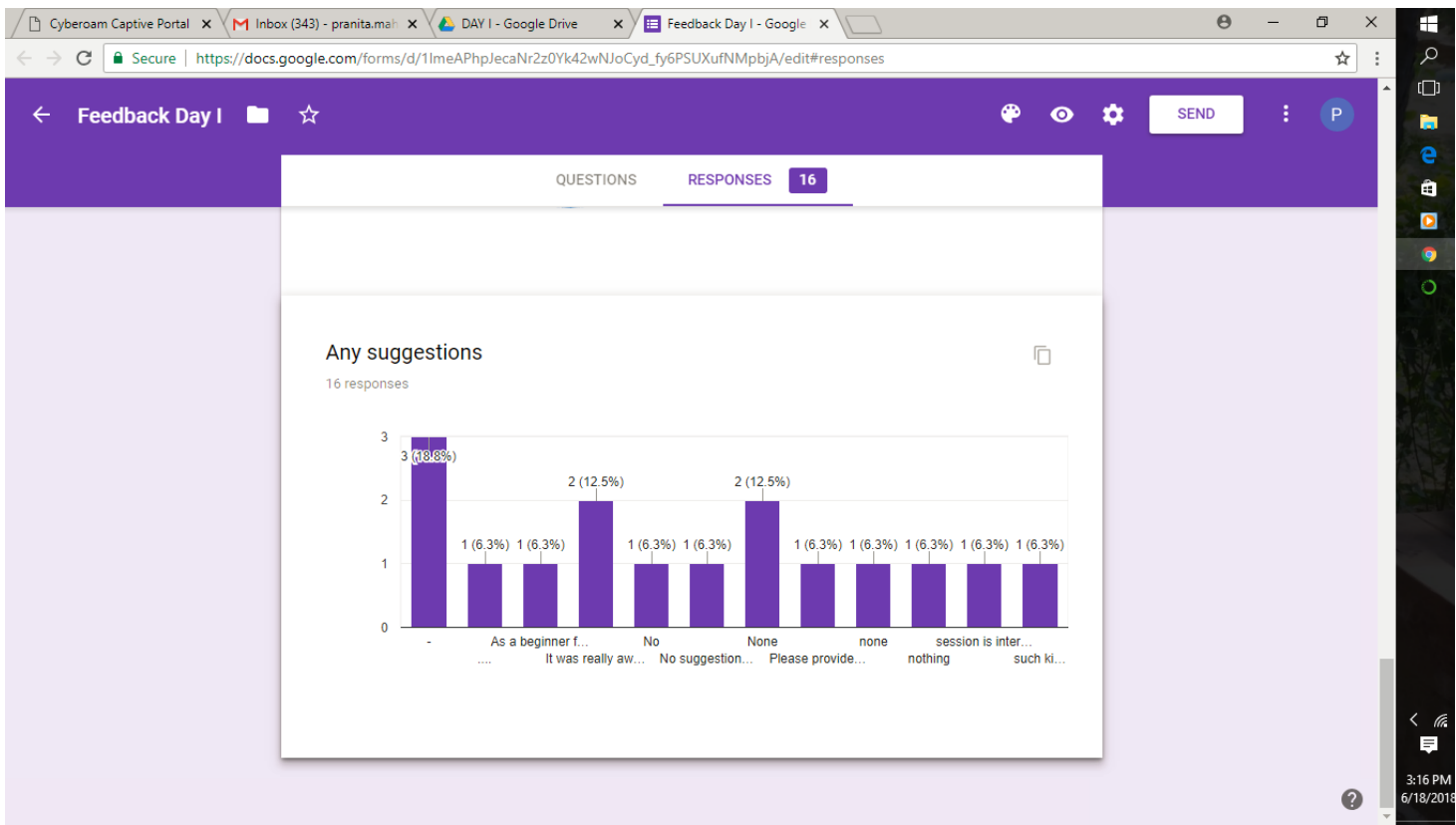




## **FEEDBACK**

Day wise feedback was collected. Students requested to organize Machine Learning with R/Python workshops.





### Impact Analysis :

Students who have completed Introduction to R workshop have joined “Machine learning with R” course in June 2018.