Department of Computer Engineering

One week Student development program on Ethical Hacking and Security

From Dec 11-15 ,2017

Report :

The department of Computer Engineering of SIES Graduate School of Technology, Nerul, Navi Mumbai has successfully organized and conducted one week student development program on Ethical hacking and Security for Third year students of EXTC/CE/IT branch from Dec 11-15, 2017.

OBJECTIVES AND GOALS: The main objective of this SDP was to give insight to the participants of ever expanding field of Internet/cyber security world. It is aimed to provide knowledge to the students on how to identify the security parameters and penetration level in any organization in ethical manner and mitigating threats.

The goal is to identify general methodology of performing penetration in the internet world, tools available in performing actions and mitigating the risk.

Outcomes:

As a result of successful completion of this workshop, participants will be able to

- Understand current cyber security threats
- Analyze traffic patterns associated with suspicious network behavior
- Select and configure various Open-Source tools for network security in Kali Linux.

Attendees:

Third year engineering students from EXTC/CE/IT branch. Total 11 participants have attended the program.

Session: Major topics covered during the workshop are

1) Anatomy of System Hack by.Prof.Aparna Bannore

2) Scanning and sniffing using open source tools by Prof.Suvarna Choure

3) Password cracking by Prof.Suvarna Choure

4) Metasploit Framework Prof.Aparna Bannore

5) Network Spoofing and banner grabbing: Prof.Preeti Godabole

6)SQL injection,CSS and Malware detection by Prof.Ujwala Ravale

Mini projects: The students demonstrated the skills developed through various mini projects developed during the workshop.

The topics were Project 1) Hacking Windows XP system with the RPC DCOM vulnerability.

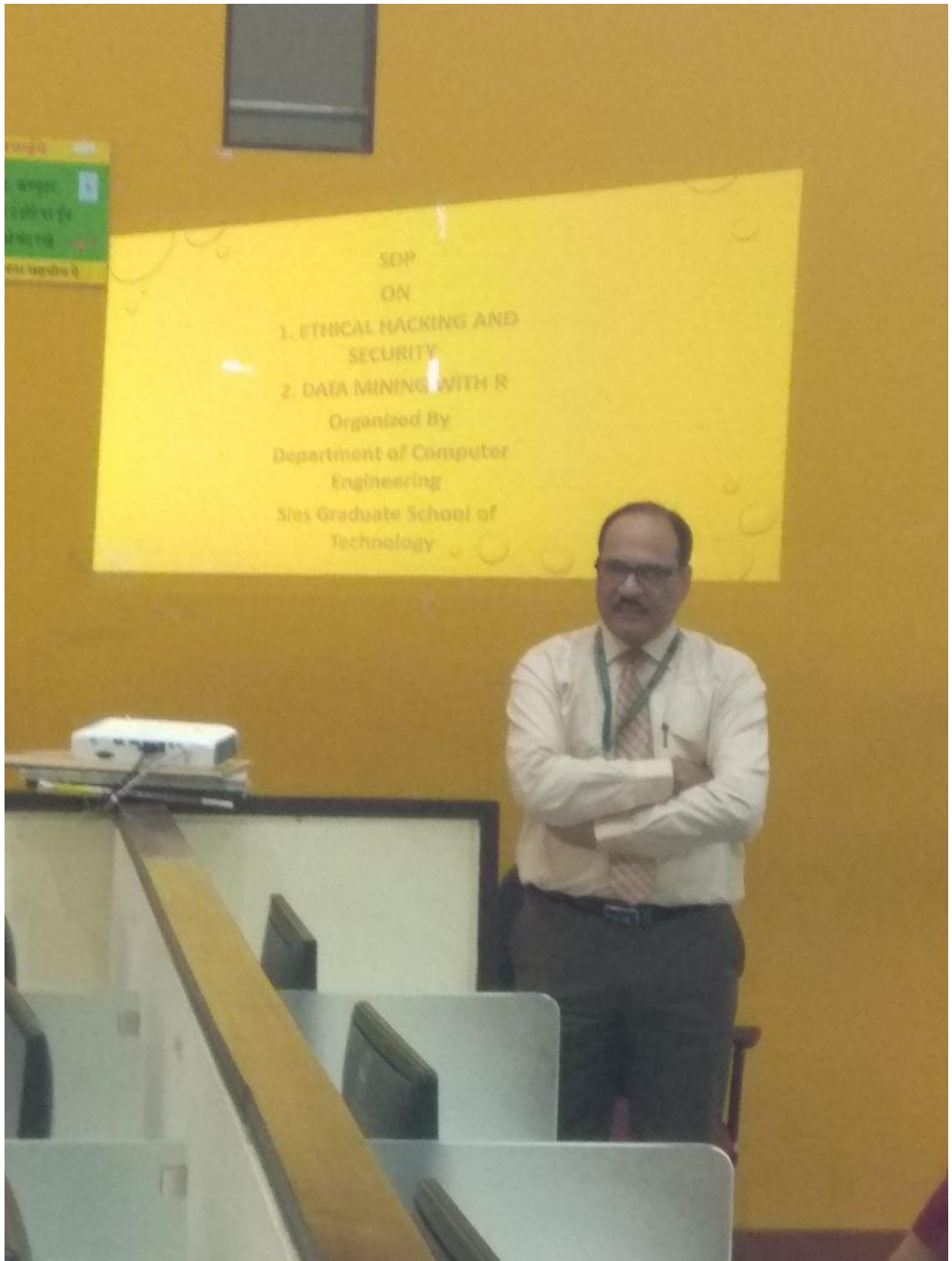Project 2: Demonstration of SYN flood and DOS acttack using hping3

Project3: Demonstrating password cracking tool from Kali linux

Valedictory: The one week long SDP was concluded by the valedictory function addressed by Principal Dr.Vikram Patil.

Feedback:

The training program received good response from resource persons and attendees. All participants received the program very well and implement in their professional career.

Photos of the Event:

Day wise schedule

Day	Session1 9:30-11.00	Session2 11:30-1.00	Session3 1.45 - 3:30	Session 4 4:00-500	feedback

11/12/17	Introduction to security Ethical hacking Aparna Bannore	Initial Commands demonstation and handson 1)Dig 2)whois 3)traceroute 4)ifconfig AMB+SVC	Sniffing using wireshark Tcpdump +Assignment on sniffing Suvarna VChaure	Password cracking John the ripper Activity: Explore and demonstrate tools for sniffing and password hacking SVC	On the topics Ethical hacking and security terminology
12/12/17	Network Spoofing using nmap,Arpwatch Preeti godabole	Netcat Banner-grabbing, Nesses/openvas Preeti godabole	Exploiting windows 7/xp using metasploit DNS hacking AMB	Google hacking Activity on using Nesses AMB+SVC	Feedback on spoofing,exploiting linux system
13/12/17	Malware Analysis IPtables, Snort UNR	SQL injection Cross site scripting UNR	Hacking web application OWASP SVC	Activity SVC	Prof. Ambavade SPIT
14/12/17	Miniproject Discussion on the topics explored	Assignment of mini project	execution		

15/12/17			Demostration of mini project		

Feedback:

Timestamp	Name :	1. General impression about the content of the course?	2. How well did the content address your expectations?	3. How do you rate the quality of content presented?		4. How relevant was the content to your profession?	5. How do you rate the amount of content presented?
2017/12/17 12:00:02 PM GMT+5:30	darshan.shetty216@siesgst.ac.in	Oustanding	Outstanding	Excellent	very good	outstanding	Oustanding
2017/12/17 1:07:54 PM GMT+5:30	v@v.cc	Oustanding	Excellent	very good	very good	Oustanding	Oustanding
2017/12/17 1:08:42 PM GMT+5:30	kartik.rajesh15@siesgst.ac.in	Excellent	Excellent	Oustanding		Excellent	
2017/12/17 2:29:50 PM GMT+5:30	deeplaxmi.mane15@siesgst.ac.in	very good	very good	Excellent		Oustanding	Oustanding
2017/12/17 2:30:40 PM GMT+5:30	roshani.patil216@siesgst.ac.in	Excellent	Oustanding	very good	very good	Oustanding	Oustanding
2017/12/17 2:30:44 PM GMT+5:30	sujata.khandekar216@siesgst.ac.in	very good	Excellent	very good	Excellent	Oustanding	
2017/12/17 2:30:53 PM GMT+5:30	ekta.walavalkar216@siesgst.ac.in	Excellent	Oustanding	Oustanding		very good	very good
2017/12/17 2:35:18 PM GMT+5:30	snehal.shinde216@siesgst.ac.in	Excellent	very good	very good	Oustanding		very good
2017/12/17	subramanian.gopalakrishnan15@siesgst.ac.in	very good	Oustanding	very	very good	Oustanding

9:22:21 AM GMT+5:30					good		
2017/12/17 11:45:11 AM GMT+5:30	kaustubh.badrike15@siesgst.ac.in	Excellent	Oustanding	Excellent	very good	very good	very good

Impact Analysis

- The student development program gave insight about various security peripheries in the organization and mechanism to protect the network security.
- The students were demonstrated with ethical manners to inspect the security measures established in organization.
- Students gained from this exposure to various tools used in the industry for penetration testing.

Certificate:

SIES Graduate School of Technology
RISE WITH EDUCATION

CR No.   CE _____

CERTIFICATE

OF COMPLETION

This is to certify that

Mr./Ms. _____ *of*

*T.E. Engineering has successfully completed the course on " **Ethical Hacking and Security** " held at SIES Graduate School of Technology, Nerul from 11th Dec. - 15th Dec. 2017.*

PROF. SUVARNA CHAURE
COURSE COORDINATOR

DR. RIZWANA SHAIKH
HOD,CE DEPT.

DR. VIKRAM S. PATIL
PRINCIPAL,SIES GST

SIES Graduate School of Technology
Center of Excellence: e-Security
Organizing
Student Development Program and Internship
5 days Hands on Training on
Web Application Security and Ethical Hacking
June 11 to 15, 2018, 9.30 AM to 5.00 PM

Web Application security and Ethical hacking is an emerging field used by most of the organizations for testing organizations network security. Emerging threats emphasize the need for real-world assessment of an organization's security posture. Ethical hackers perform security measure on behalf of the organization owners. To bring awareness to our students about this most sought field in the engineering domain we are providing the platform by arranging a student's development program on Web Application Security and Ethical Hacking.

Objectives:

- Learn about Web application and Network security
- Hands-on experience of Ethical Hacking tools using Kali Linux.
- Practical real time demonstration of the latest Hacking Techniques, methodologies, tools, and security measures.

Course Contents:

- Introduction to framework for Web application development
- Introduction to Web Application Security and Ethical hacking
- Network sniffing and spoofing tools.
- Exploitation tools- Metasploit , Google hacking
- Malware Analysis, Firewall and Intrusion Prevention System .

Five days SDP on Web Application Development and Ethical Hacking for SE students.

Total enrolment: 22 students (SE Extc, CE and IT)
Faculty members who contributed : Deepti Reddy, Sunil K. Panjabi, Aparna Bannore, Suvarna Chaure, Kalyani Pampattiwar, Ujwala Ravale
Students demonstrated projects on the following topics completed during internship.

1) Blood donation Information management system:
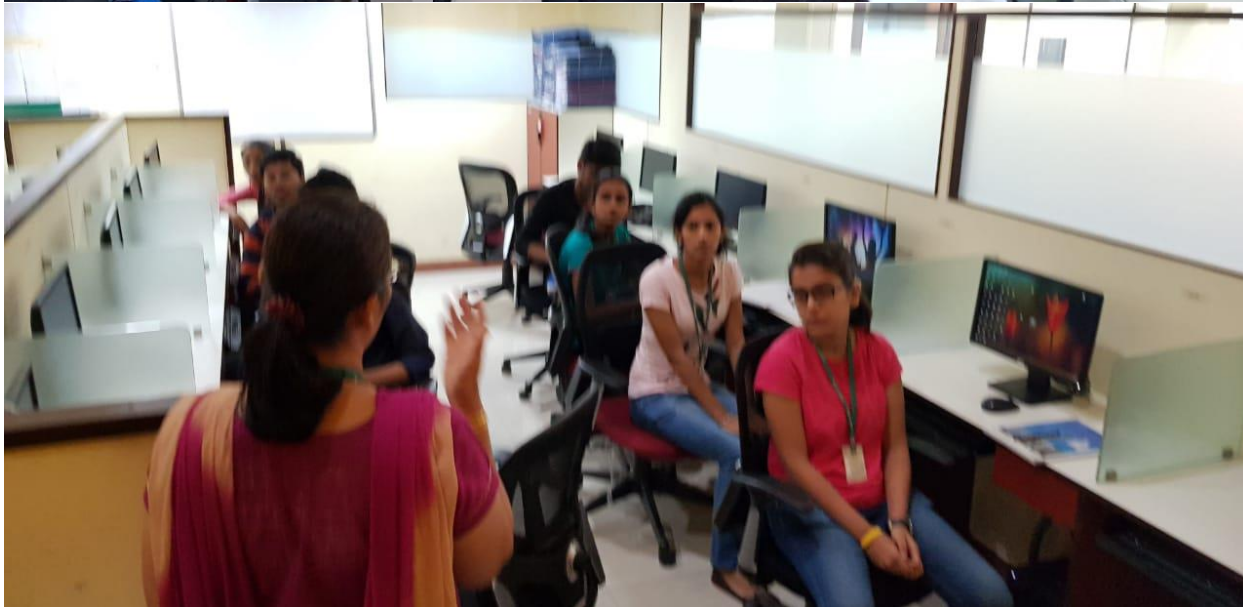
2) Mentees Information management system

3) Project Record keeping System

4) Project: Students Activity data management system

5) Project: Faculty Activity data management system

6) Project: Network issues Management system

7) Internship Record keeping System

Day wise schedule

Day	Session1 9:30-11.00	Session2 11:30-1.00	Session3 1.45 - 3:30	Session 4 4:00-500	feedback
DAy1 11	Introduction to Web application security DPR	HTML,	Java Script	Lab work	
Day2 12	BootStrap	continued	PHP, MySQL and XAMPP	lab	
Day 3 13	OWASP DPR	Sql injection UNR	Cross site scripting Attack KNP	Websplyer tool Lab work KNP	
Day4 14	Introduction to security Ethical hacking Aparna Bannore	Initial Commands demonstation and handson 1)Dig 2)whois 3)traceroute 4)ifconfig AMB+SVC	Sniffing using wireshark Tcpdump +Assignment on sniffing Suvarna VChaure	Assignment on sniffing SVC	
Day5 15	Installation of kali linux and Hydra SVC	Hacking windows system using Kali linux Metasploit AMB	GUI tool AMB	Lab work	

Feedback:

Timestamp	Name :	1. General impression about the content of the course?	2. How well did the content address your expectations?	3. How do you rate the quality of content presented?		4. How relevant was the content to your profession?	5. How do you rate the amo presented?
6/29/2018 21:34:17	Siddhesh Menon	Very Good	Very Good	Outstanding		Very Good	Very Good
6/29/2018 23:23:49	Nikita Shenai	Excellent	Excellent	Outstanding		Excellent	Very Good
6/29/2018 23:42:52	Karthik R	Very Good	Very Good	Very Good	Option 1	Excellent	Excellent
6/29/2018 23:48:08	Karthikeya Thanapal	Excellent	Excellent	Very Good		Excellent	Excellent
6/30/2018 21:17:56	Sunil	Very Good	Very Good	Very Good		Very Good	Very Good
7/1/2018 19:44:15	Vaibhavi Shetty	Very Good	Very Good	Very Good		Excellent	Excellent
7/2/2018 16:16:12	Anand Ramesh	Excellent	Excellent	Excellent		Excellent	Oustanding
7/10/2018 5:16:28	Biren Arora	Excellent	Excellent	Outstanding		Excellent	Very Good

Certificate:

CERTIFICATE

OF COMPLETION

CR No.: e-Sec/FH2018/SDP01/6

This is to certify that

Mr./Ms. *Sunil Pillai* of

Second year Engineering has successfully completed the course on

"Web Application Security and Ethical Hacking"

and fifteen days internship from 11 th June to 28 th June, 2018 held at SIES Graduate School of Technology. During internship he/she has successfully completed project titled *Faculty Activity data management System*

MS. APARNA BANNORE
COE E-SECURITY COORDINATOR

DR. RIZWANA SHAIKH
HEAD, CE DEPT.

DR. VIKRAM S. PATIL
PRINCIPAL, SIES GST

Department of Computer Engineering

1. Event Name: Student Development Programme on LAMP LINUX

2. Date Of Event : 20-24 Dec 2017

3. Brief

1. Learn Fundamentals of Linux and Networking Commands
2. Understand how server-side programming works on the web
3. Create a database in PhpMyAdmin

4. Create a Website

4. Target Audience:

Second Year Students (IT/CE/EXTC)

Total no. students participation: 06(4(IT) +2(CE))

5. Organizing Department: Computer Engineering Department.

6. Photographs:

7.ATTENDANCE & INFRASTRUCTURE:

This event was attended by 6 Students of SE of our college.

FEEDBACK:

The workshop had an overwhelming response from the students who displayed immense interest in learning about the internal working of a computer. It was rated 9 out of 10, on an average.

Brochure:

Department of Computer Engineering

Student Development Programme on LAMP
20-24 Dec 2017

CE department is announcing student development program from 20– 24 DEC 2017 specifically designed for **Second** year CE/IT/EXTC students. Interested students can contact Prof.NamrataPatel

OBJECTIVES

1. Learn Fundamentals of Linux and Networking Commands
2. Understand how server-side programming works on the web
3. Create a database in PhpMyAdmin
4. Create a Website

WHO WILL BE BENEFITED?

1. Students who want to develop an Web Application on Linux Platform
2. Students would be benefited from learning Linux and its features for embedded system

PREREQUISITE

Basics of HTML

OUTCOMES

Learner will be able to:

1. Understand Installation Procedure of Linux OS
2. Basic and Advance Commands in Linux OS
3. Install Apache server and MySQL on Linux OS
4. Develop an end-to-end application in PHP

CONTACT PERSON

Prof. Namrata Patel
namrata.patel@siesgst.ac.in

9820298932

Workshop is free of cost.

Attendance

Student Development Programme on LAMP
20-24 Dec 2017
Attendance for SDP on Linux and LAMP

Sr. No.	Roll No.	Name of the student	Day1		Day 2		Day 3		Day4		Day5	
			Session 1	Session 2	Session 1	Session 2	Session 1	Session 2	Session 1 Session 2		Session 1	Session 2
1	116A3021	Abhirup Kamath	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*		*sig*	
2	217A1105	Aakash Maji	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*		*sig*	
3		Mrunali Pissal										
4	116A1078	Vaibhavi Shetty	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*		*sig*	
5	116A3005	Archita Poddar	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*		*sig*	
6	116A3031	Dhiraj Mehta	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*		*sig*	
7		Vikhyat Shetty	---	---								
8		Abhishek Yadav	---	---								
9		Surya Walujkar	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*		*sig*	
10	116A3032	Siddhesh Menon	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*	*sig*		*sig*	
11												
12												
13												
14												
15												
16												

Detailed Schedule of Linux and LAMP Course

Sr.no	Day	Topics Planned	Assigned Faculty
1	Day 1-First Half	• I.WHAT IS LINUX • II.UNDERSTANDING LINUX STRUCTURE • III.INSTALLING LINUX	Ms. Roopal Mamtora
	Day 1-2nd Half	• I.BASIC COMMAND • II.UNDERSTANDING FILES AND FOLDERS • III.UNDERSTANDING USER AND PERMISSION • IV.OPENING A COMMAND SHELL/TERMINAL	
2	Day 2-First Half	• ADVANCE COMMANDS	Ms. Roopal Mamtora and Ms. Kalyani Pampattiwar
	Day 2-2nd Half	• BASIC KNOWLEDGE OF SHELL SCRIPTING	
3	Day3-First Half	• INTRODUCTION TO APACHE WEB SERVER • INSTALLATION AND CONFIGURATION Of APACHE ON LINUX • INSTALLATION AND CONFIGURATION OF MYSQL ON LINUX	Ms . Namrata Patel
	Day3-2nd Half	• INTRODUCTION TO PHP • BASICS OF PHP	
4	Day 4-First half	• HANDLING HTML FORMS • INTRODUCTION TO ARRAYS • INTRODUCTION TO STRINGS • FILE AND DIRECTORY HANDLING	Ms. Masooda Modak
	Day4-2nd Half	• PHP DATABASE CONNECTIVITY • SECURITY AND AUTHENTICATION	
5	Full Day	• MINI PROJECT	Ms.Kranti Bade

Certificate:

SIES Graduate School of Technology
RISE WITH EDUCATION

CR No. CE **25**

CERTIFICATE
OF COMPLETION

This is to certify that

Mr./Ms. __Aakash Maji__ *of*

SE. Computer Engineering has successfully completed the course
on **"Basic Linux and LAMP"** *held at SIES Graduate School of*
Technology, Nerul from 20th Dec to 24th Dec 2017.

PROF. NAMRATA PATEL
COURSE COORDINATOR

DR. RIZWANA SHAIKH
HOD,CE DEPT.

DR. VIKRAM S. PATIL
PRINCIPAL,SIES GST

Workshop on data mining using R
CE department
Tentative Schedule

Day	Activity
Day 1	**Theory session 1:Introduction and preliminaries** 　System requirement 　Installation 　Understanding R Environment 　Packages and libraries 　Basics of R programming
	Theory session 2: Variables and operators • Vectors • Objects • Operators in R • Decision making and looping in R R Functions • Inbuilt functions • User defined functions
	Lab Session 1
Day 2	**Theory session 3 : Data acquisition** Reading file • CSV • Text • Binary • Excel • XML
	Theory Session 4: Statistical analysis with R • Mean , median, mode • Regression • Distribution
	Lab session 2
	Theory session 5 : Data Mining with R **Clustering** • Partitional clustering • Hierarchical clustering **Classification** • Statistical based classification • Decision tree based classification
	Theory session 6 : Prediction

Day 3	Application of classification algorithm for prediction
	Lab Session 3
Day 4	**Theory session 7 : Data Visualization with R** • Introduction to R graphics • Different plot types • Adding details to plot
	Theory session 8 : ggplot with R • Exporting graph • Advance plot customization
	Lab Session 4
Day 5	**Theory session 8 : Shiny package in R** Installing and using package Shiny R
	Theory session 9 : Designing interactive web apps from R using Shiny R
	Lab Session 5

Workshop will be followed by one month internship in which group of three students will development an application using R.

Workshop on data mining using R

Date: 11 - 15 Dec 2017
Speaker : Prof. Pranita Mahajan, Prof. Prachi Shahane, Prof. Anindita Khade and Prof. Yashashree B. (SIESGST).
Duration : 5 days workshop followed by one month internship

OBJECTIVE AND GOALS:

Objective of the workshop was to bridge the gap between industry requirements and academic which will help students to get better placement opportunities.

SESSION :

CE department faculties have conducted five day student development program followed by one month internship, "Workshop on data mining using R" from 11 to 15 Dec 2017. Workshop was conducted by Prof. Pranita Mahajan, Prof. Prachi Shahane, Prof. Anindita Khade, Prof. Yashashree B. Objective of the workshop was to bridge the gap between industry requirements and academic.

ATTENDENCE & INFRASTRUCTURE:

16 students registered for the workshop and 4 students attended the course and successfully developed and submitted project in SIESGST.
During internship students build two applications which were presented in front of CE faculties and principal Dr. Vikram patil. Certificates were given on successful implementation and presentation of internship work. Projects developed were Campus placement advisor and Student Semester Grade Prediction Based On His Semester Attendance

Projects developed
1. Campus placement advisor

Predicting and analysing in which company a student might get placed based on the technical skills known by the student.

Every year companies come to colleges in order to recruit students.Recruitment is one of the most essential processes for any organization as they look for skilled and qualified professionals to fill up the positions in their organization. Many companies hire students through campus recruitment process. Campus recruitment is an efficient way to get the right resources at the right time with minimal cost and within minimum time frame. The main aim of this project is to

identify relevant attributes based on quantitative and qualitative aspects of a student's profile such as CGPA and technical skills and design a model which can predict the placement of a student. For this purpose, ID3 classification technique based on decision tree has been used. The result of this analysis will assist the academic planners to design a strategy to improve the performance of students that will help them in getting placed at the earliest.

2. Student Semester Grade Prediction Based On His Semester Attendance

Education is one of the field which plays a very important role in imparting values and knowledge among the individuals of any nation. On the other hand Data Mining is the field which the help of which any sort of data collected over a period of time can be analysed for various aspects of information. So combining the aspects of Education and Data Mining, the field of Education Mining has evolved. Education Mining enables any institution or university to analyse various factors related to student and teachers. It also helps an institution to determine how services provided by them can be enhanced.

PHOTOS:
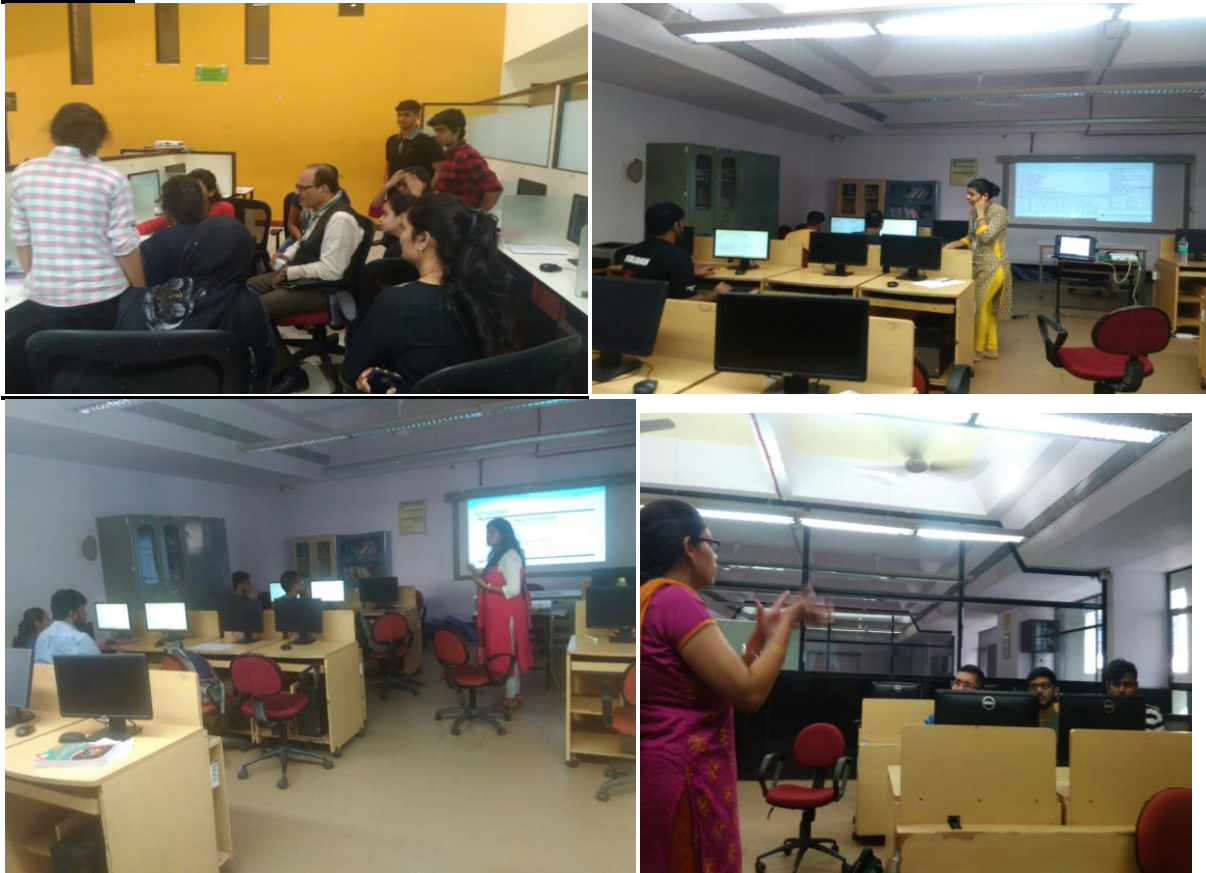
FEEDBACK:

Day wise feedback was collected and overall feedback shows students were satisfied with content.
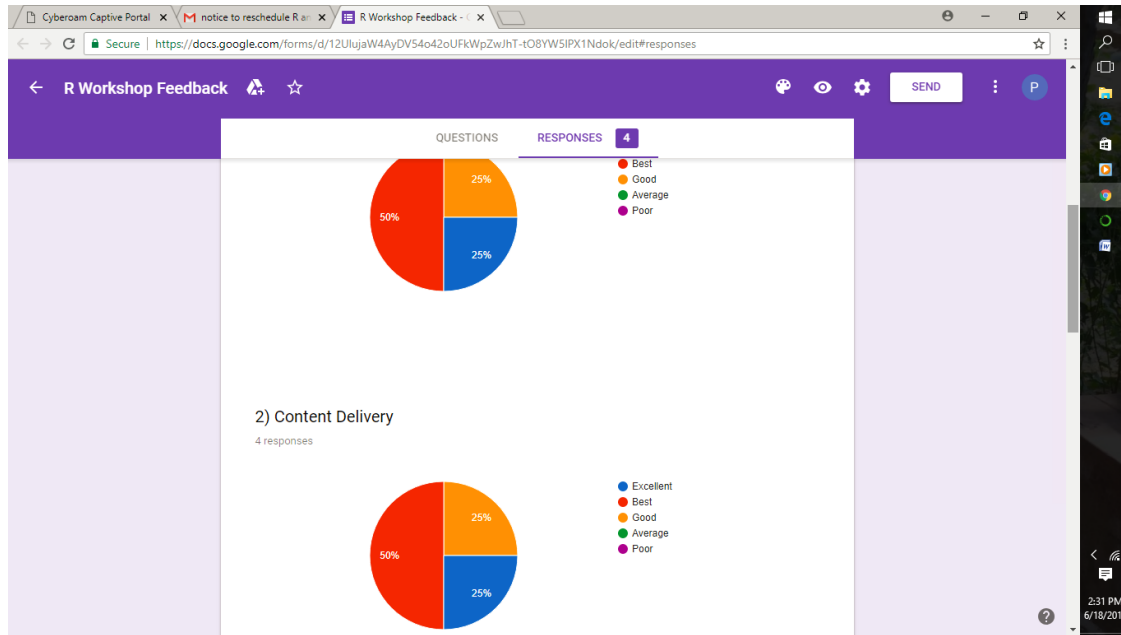
Impact analysis
One of the student from workshop Pritam Negi got selected as beta tester for DataCamp

Registration

Timestamp	Email Address	Full Name	PRN NUMBER	Email	
12-1-2017 17:23:43	ashwathi.ashok15@siesgs	Ashwathi Ashok	115A1097	ashwathi.ashok15@siesgst.ac.in	
12-1-2017 17:27:27	omkar.prabhu15@siesgst.	Omkar Prabhu	115A1077	omkar.prabhu15@siesgst.ac.in	
12-1-2017 17:31:11	pritam.negi15@siesgst.ac	Pritam Negi	115A1070	pritam.negi15@siesgst.ac.in	
12-1-2017 18:00:38	aditya.krishnan15@siesgs	Aditya Krishnan	115A1060	aditya.krishnan15@siesgst.ac.in	
12-1-2017 19:35:23	rakshita.bakalkar15@sies	Rakshita Bakalkar	115A1036	rakshita.bakalkar15@siesgst.ac.in	
12-1-2017 19:55:39	almas.labbai15@siesgst.a	Almas	115a1062	almas.labbai15@siesgst.ac.in	
12-1-2017 21:35:42	adityaravindran.nair15@si	Aditya Nair	115A1067	adityaravindran.nair15@siesgst.ac.in	
12-1-2017 21:37:20	rohit.ramaswamy15@sies	Rohit Ramaswamy	115A1018	rohit.ramaswamy15@siesgst.ac.in	
12-1-2017 22:30:16	jayaraman.shankaran15@	Jayaraman Shankaran	115A1009	jayaraman.shankaran15@siesgst.ac.in	
12-2-2017 0:05:39	rutuja.patil115@siesgst.ac	Rutuja Kishor Patil	115a1075	rutuja.patil115@siesgst.ac.in	
12-2-2017 0:07:59	akanksha.pradhan15@sie	Akanksha Prashant Pradh	115A1078	akanksha.pradhan15@siesgst.ac.in	
12-2-2017 20:30:35	priya.mishra15@siesgst.a	PRIYA MISHRA	115A3037	priya.mishra15@siesgst.ac.in	
12-2-2017 21:57:06	sushmita.jadhav15@siesg	Sushmita jadhav	115a1098	sushmita.jadhav15@siesgst.ac.in	
12-4-2017 7:09:26	aditya.krishnan15@siesgs	Aditya Krishnan	115A1060	aditya.krishnan15@siesgst.ac.in	
12-5-2017 17:08:53	meenakshi.sundar15@sie	Meenakshi Sundar	115A1016	meenakshi.sundar15@siesgst.ac.in	
12-7-2017 21:17:41	nimish.chaudhari216@sie	Nimish Chaudhari	216A3057	nimish.mailbox@gmail.com	

CERTIFICATE
OF COMPLETION

SIES Graduate School of Technology
RISE WITH EDUCATION

CR No.   CE

This is to certify that

Mr./Ms. _____ of

T.E. Computer Engineering student has successfully completed one month internship from Dec 2017 to Jan 2017'held at SIES Graduate School of Technology. During internship he/she has successfully implemented project titled _____

| PROF. PRANITA MAHAJAN | DR. RIZWANA SHAIKH | DR. VIKRAM S. PATIL |
| COURSE COORDINATOR | HOD,CE DEPT. | PRINCIPAL,SIES GST |

CERTIFICATE
OF COMPLETION

SIES Graduate School of Technology
RISE WITH EDUCATION

CR No.   CE

This is to certify that

Mr./Ms. _____ of

T.E. Computer Engineering has successfully completed five days workshop on **"Data Mining Using R"** *held at SIES Graduate School Of Technology, Nerul from 11th Dec to 15th Dec 2017.*

| PROF. PRANITA MAHAJAN | DR. RIZWANA SHAIKH | DR. VIKRAM S. PATIL |
| COURSE COORDINATOR | HOD,CE DEPT. | PRINCIPAL,SIES GST |

SIES Graduate School of Technology
Department of Computer Engineering
And Information Technology
Organizing
Hands on Training on Python Programming
From 20 Jan 2018 [Every Saturday: 9.30 AM to 5.00 PM]

Python is open source programming language, with characteristics such as easy to learn, portable, platform independent, supports procedural as well as object oriented language. Python is great for backend web development, data analysis, artificial intelligence, and scientific computing. Now a day's many developers have also used Python to build productivity tools, games, and desktop apps.

Objectives:
- Develop a basic understanding of Python programming language.
- Build simple web applications that include a database to manage user data.
- Effective use of common developer tools and implementation of best practices to write professional-quality code.
- Creation of programming projects from scratch using in-demand skills and technologies.

Course Contents:
- Introduction to basic python programming
- File Handling
- Database Connectivity
- Graphical User Interface
- Network Programming
- Mini Project

Who Should Attend:
Any student from TE (All branches)

Outcomes:
- This SDP will give insight to all aspect of Python programming language
- This SDP will help the students to develop applications in various domains

Contact for Registration:
Prof. Masooda Modak
9833161007

Note: Course is free of cost.

Day wise Schedule of Workshop

Sr.no	Day	Topics Planned
1	Day 1-First Half	- Python Overview - Environment Setup, Basic Syntax - Variables and types, Operators - Decision Making - Loops - Mathematical functions - Strings
	Day 1-2nd Half	- Lists - Tuples - Dictionaries - Functions
2	Day 2-First Half	- Lists - Tuples - Dictionaries - Functions
	Day 2-2nd Half	- Modules - File Input/Output
3	Day3-First Half	- Exception Handling - Object oriented Consepts
	Day3-2nd Half	- INTRODUCTION TO PHP - BASICS OF PHP
4	Day 4-First half	- HANDLING HTML FORMS - INTRODUCTION TO ARRAYS - INTRODUCTION TO STRINGS - FILE AND DIRECTORY HANDLING
	Day4-2nd Half	- PHP DATABASE CONNECTIVITY - SECURITY AND AUTHENTICATION
5	Full Day	MINI PROJECT

Department of Computer Engineering

<u>Event Report</u>

Student Development Program on Blockchain Technology

Event Information

Event Type: Student Development Program

Event Title: <u>**Python Programming Workshop**</u>

Resource Persons: Ms. Masooda Modak,Dr. Rizwana Shaikh,Ms. Kranti Bade, Ms. Varsha Mali ,Dr. Vijay Katkar

Event Date: 20/01/2018 to 03/03/2018

Organized for: SE, TE Comp/IT/EXTC Students

Organized by: Computer Engineering, SIES GST

Target Audience (Branch & Nos.): Undergraduate Students (CE/IT/EXTC : 38 students)

Attachments: 1. Photographs (JPEG/PNG)
             2. Attendance Report
3. Feedback Report

Event Description

Department of Computer Engineering of SIES GST organized an SDP from 20/01/2018 to 03/03/2018 for SE/TE students.

Dr. Rizwana Shaikh, HOD CE has addressed the students about the overview of program and internship to be conducted. She explained the benefits of learning python programming. Also various career opportunities available in the field of security.

Around 70 participants from SE and TE registered and 38 students attended the SDP . Entire program was carried out on 4 Saturdays in 3 months span time. Eveready's session is divided into two halves morning and afternoon.

1. Photographs (in JPEG/PNG):

2. Attendance and Feedback Report (Scanned copy):

Attendance for Workshop on Python on 20/01/2018

ROLL NO	NAME OF THE STUDENT	Dept	Sign
115A3006	Petchipriya	IT	
115A3009	Sornamukhi Sudaroli	IT	
115A3042	Aiswarya Nair	IT	
115A1063	Deeplaxmi Mane	CE	
115A3041	Chethap Nadar	IT	
216a3061	manali dhuri	IT	
216a3065	Mamta jukanthi	it	
216a3067	sonali kathe	IT	
216a3073	Nimisha poojari	it	
115a3021	rutuja hirave	IT	
216a3058	aniket chavan	IT	
216A1107	Roshani R. Patil	ICE	
115A1020	Shridhar Ravi	Computer	
115a1014	Madhumitha Murali	CE	
115A1016	Meenakshi Sundar	CE	
115A2060	Saravana Pandian	EXTC	
115A1001	Abila Saravanabhavan	Computers	
216A2136	Pawar Pitambar Chandrakant	extc	
216a2134	Akshay patil	EXTC	
114A3037	कल्लर हेमलता कृष्णमूर्ति रेवाती	IT	
115A3044	Puneeta Palani	IT	
115a3053	Swapnesh	it	
216A2140	Hardik Rathod	EXTC	

0017	Mukesh		
161006	FARIHA MOHAMMAD FAROOKH	IT	
115A1021	SIDDHANTH VENKATESHWARAN RENUKA DEVI	CE	
115A1081	RANE ARPITA CHANDRASHEKHAR	computer	
115a1036	RAKSHITA BAKALKAR	Computer	
115a1044	Rajendra Baghel	computer	
115a1030	vrushali.alugade15@siesgst.ac.in.	CE	
115a1044	Esther Johnson	CE	
115a1044	Yash Chourasia	IT	
115A1015	Manisha Chandran	Ce	
115A1034	Tanaya Badve	CE	
115A1017	Pranav Sainath	CE	
115A2087	manikandan shanmugam velar	EXTC	
115A2008	Narayanmoorthy	EXTC	

Attendance for Workshop on Python on 3/2/2018

ROLL NO	NAME OF THE STUDENT	Dept	Sign
115A3006	Petchipriya	IT	
115A3009	Sornamukhi Sudaroli	IT	
115A3042	Aiswarya Nair	IT	
115A1063	Deeplaxmi Mane	CE	
115A3041	Chethap Nadar	IT	
216a3061	manali dhuri	IT	
216a3065	Mamta jukanthi	It	Mamta
216a3067	sonali kathe	IT	Sonali
216a3073	Nimisha poojari	It	Nimisha
115a3021	rutuja hirave	IT	
216a3058	aniket chavan	IT	
216A1107	Roshani R. Patil	CE	
115A1020	Shridhar Ravi	Computer	
115a1014	Madhumitha Murali	CE	
115A1016	Meenakshi Sundar	CE	
115A2060	Saravana Pandian	EXTC	Sarava
115A1001	Abila Saravanabhavan	Computers	
216A2136	Pawar Pitambar Chandrakant	extc	PP
216a2134	Akshay patil	EXTC	Akshay
114A3037	कल्लर हेमलता कृष्णमूर्ति रेवती	IT	
115A3044	Puneeta Palani	IT	Palani
115a3053	Swapnesh	It	
216A2140	Hardik Rathod	EXTC	

	Mukesh	IT	
a3017			
a1006	FARIHA MOHAMMAD FAROOKH	CE	Fariha
115A1021	SIDDHANTH VENKATESHWARAN RENUKA DEVI	computer	
115A1081	RANE ARPITA CHANDRASHEKHAR	Computer	
15a1036	RAKSHITA BAKALKAR	computer	Rakshita
15a1044	Rajendra Baghel	CE	
115a1030	vrushali.alugade15@siesgst.ac.in.	CE	Vrushai
115a1044	Esther Johnson	IT	Esther
115a1044	Yash Chourasia	Ce	
115a1015	Manisha Chandran	CE	Manisha
115A1034	Tanaya Badve	CE	Tanaya
115A1017	Pranav Sainath	CE	Pranav
115A2087	manikandan shanmugam velar	EXTC	
115A2008	Narayanmoorthy	EXTC	Narayanmoorthy

Attendance for Workshop on Python on 4/02/2018

ROLL NO	NAME OF THE STUDENT	Dept	Sign
115A3006	Petchipriya	IT	
115A3009	Sornamukhi Sudaroli	IT	
115A3042	Aiswarya Nair	IT	
115A1063	Deeplaxmi Mane	CE	
115A3041	Chethap Nadar	IT	
216a3061	manali dhuri	IT	
216a3065	Mamta jukanthi	It	Mamta
216a3067	sonali kathe	IT	Sonali
216a3073	Nimisha poojari	It	Nimisha
115a3021	rutuja hirave	IT	Rutuja
216a3058	aniket chavan	IT	
216A1107	Roshani R. Patil	CE	
115A1020	Shridhar Ravi	Computer	
115a1014	Madhumitha Murali	CE	
115A1016	Meenakshi Sundar	CE	
115A2060	Saravana Pandian	EXTC	
115A1001	Abila Saravanabhavan	Computers	PP
216A2136	Pawar Pitambar Chandrakant	extc	
216a2134	Akshay patil	EXTC	
114A3037	कल्लर हेमलता कृष्णमूर्ति रेवती	IT	
115A3044	Puneeta Palani	IT	
115a3053	Swapnesh	It	
216A2140	Hardik Rathod	EXTC	

115A3017	Mukesh	IT	Muliam
115a1006	FARIHA MOHAMMAD FAROOKH	CE	Fariha
115A1021	SIDDHANTH VENKATESHWARAN RENUKA DEVI	computer	
115A1081	RANE ARPITA CHANDRASHEKHAR	Computer	
115a1036	RAKSHITA BAKALKAR	computer	Rakshita
115a1044	Rajendra Baghel	CE	
115a1030	vrushali.alugade15@siesgst.ac.in.	CE	Vrushali
115a1044	Esther Johnson	IT	Esther
115a1044	Yash Chourasia	Co	Yash
115A1015	Manisha Chandran	CE	
115A1034	Tanaya Badve	CE	Tanaya
115A1017	Pranav Sainath	CE	Pranav
115A2087	manikandan shanmugam velar	EXTC	Velar
115A2008	Narayanmoorthy	EXTC	Narayanmoorthy

ROLL NO	NAME OF THE STUDENT	Dept	Sign
115A3006	Petchipriya	IT	
115A3009	Somamukhi Sudaroli	IT	
115A3042	Aiswarya Nair	IT	
115A1063	Deeplaxmi Mane	CE	
115A3041	Chethap Nadar	IT	
216a3061	manali dhuri	IT	
216a3065	Mamta jukanthi	It	
216a3067	sonali kathe	IT	
216a3073	Nimisha ponjari	IL	
115a3021	rutuja hirave	IT	
216a305B	aniket chavan	IT	
216A2107	Roshani R. Patil	CE	
115A1020	Shridhar Ravi	Computer	
115a1014	Madhumitha Murali	CE	
115A1016	Meenakshi Sundar	CE	
115A2060	Saravana Pandian	EXTC	
115A1001	Abila Saravanabhavan	Computers	
216A2136	Pawar Pitambar Chandrakant	extc	
216a2134	Akshay patil	EXTC	
14A3037	कल्लार हेमलता कृष्णमूर्ति रेवती	IT	
15A3044	Puneeta Palani	IT	
15a3053	Swapnesh	It	
16A2140	Hardik Rathod	EXTC	

115A3017	Mukesh	IT	
115a1006	FARIHA MOHAMMAD FAROOKH	CE	
115A1021	SIDDHANTH VENKATESHWARAN RENUKA DEVI	computer	
115A1081	RANE ARPITA CHANDRASHEKHAR	Computer	
115a1036	RAKSHITA BAKALKAR	computer	
115a1044	Rajendra Baghel	CE	
115a1030	vrushali.alugade15@siesgst.ac.in,	CE	
115a1044	Esther Johnson	IT	
115a1044	Yash Choursaia	CE	
115A1015	Manisha Chandran	CE	
115A1034	Tanaya Badve	CE	
115A1017	Pranav Sainath	CE	
115A2087	manikandan shanmugam velar	EXTC	
115A2008	Narayanmoorthy	EXTC	

3. Feedback Analysis

4. Impact Analysis:
1. Students got exposure to python programming
2. They have learnt the concepts which are beyond their curriculum.

CERTIFICATE

of

COMPLETION

This is to certify that **Akshay Patil** has successfully completed a 5 days Workshop on **Python Programming** in the duration of 20th January,2018 to 17th April,2018 held at SIES Graduate School of Technology, Nerul.

PROF. MASOODA MODAK
COURSE COORDINATOR

DR. RIZWANA SHAIKH
HOD,CE DEPT.

PROF. K.LASKHMISUDHA
HOD,IT DEPT.

DR. VIKRAM S.PATIL
PRINCIPAL,SIESGST

SIES
RISE WITH EDUCATION
Graduate School of Technology

SIES Graduate School of Technology
Center of Excellence: e-Security
Organizing
Student Development Program and Internship
5 days Hands on Training on
Ethical Hacking and Security
June 13 to 19, 2018, 9.30 AM to 5.00 PM

Ethical hacking is an emerging tools used by most of the organizations for testing network security. Emerging Threats Emphasize the Need for real-world assessment of an organization's security posture. Ethical hackers perform security measure on behalf of the organization owners. To bring awareness to our students about this most sought field in the engineering domain we are providing the platform by arranging a student's development program on Ethical Hacking and Network.

Objectives:

- Learn about System and Network security
- Hands-on experience of Ethical Hacking using Kali Linux.
- Practical real time demonstration of the latest Hacking Techniques, methodologies, tools, and security measures.

Course Contents:

- Introduction to Ethical hacking
- Network sniffing and spoofing tools
- Server Side Hacking Tools.
- Client Side Hacking Tools
- Web application Exploitation tools- Metasploit , Google hacking
- Malware Analysis, Hacking web applications.

Outcomes:

- This SDP will give insight to organizations security parameters, threats and Solutions.
- This SDP will provide base for certificated ethical hacker, certified penetration tester.

Total 09 students enrolled for SDP demonstrated projects on the following topics completed during internship.

Project 1: Clone website to gain victim's passwords

2: Use the tool from kali Linux not covered during the SDP to demonstrate password cracking

3: Vulnerability testing for DOS attack

08 (TE CE and IT) +01 FE (Extc)
 Faculty members who contributed: Aparna Bannore, Suvarna Chaure, Kalyani Pampattiwar,Ujwala Ravale, Preeti Godabole, Priyanka Kadam.

Day wise schedule

Day	Session1 9:30-11.00	Session2 11:30-1.00	Session3 1.45 - 3:30	Session 4 4:00-500	feedback
Day1 13	Introduction to security Ethical hacking Aparna Bannore	Initial Commands demonstation and handson 1)Dig 2)whois 3)traceroute 4)ifconfig 5) Nmap	Sniffing using wireshark Tcpdump +Assignment on sniffing Suvarna VChaure	Assignment on Sniffing SVC	

			AMB+SVC			
Day 2 14	Kali linux installation Hydra SVC	Password cracking BURP suite SVC	iKat, httrack KNP	Key logger Lab work KNP	
Day3 15	DOS attack :pyloris Priyanka kadam	Vulnerability assessment using Nesses /openVAs Priyanka kadam	Network Spoofing using nmap, Arpwatch PSG	Lab work	
Day 4 18	Server side attack tools :ZApproxy, Websploit UNR	Exploiting windows 7/xp using metasploit DNS hacking AMB	Lab work	Netcat Banner-grabbing, AMB	Activity: Explore and demonstrate tools for sniffing and password hacking SVC
Day 5 19	Malware Analysis UNR	IPtables, Snort UNR	Mobile hacking SVC	Lab Activity and Internship projects discussion and distribution	

Feedback:

Timestamp	Name :	1. General impression about the content of the course?	2. How well did the content address your expectations?	3. How do you rate the quality of content presented?
6/26/2018 12:12:31	harshitha.shetty15@siesgst.ac.in	Very Good	Very Good	Good
6/26/2018 13:52:19	Siddharth Poduval	Very Good	Very Good	Very Good
6/26/2018 13:54:33	Siddharth Poduval	Very Good	Very Good	Very Good
6/26/2018 16:06:17	Aniket H. Chavan	Excellent	Excellent	Excellent
6/30/2018 11:52:05	Karthikeyan	Excellent	Excellent	Excellent
6/30/2018 11:52:23	Tanvi	Excellent	Excellent	Excellent

Certificates:

Center of Excellence
e-Security

CERTIFICATE
OF COMPLETION

SIES
RISE WITH EDUCATION
Graduate School of Technology

CR No.: e-Sec/FH2018/SDP01/

This is to certify that

Mr./Ms. _____ of

Third year Engineering has successfully completed the course on
"Ethical Hacking and Security"
and fifteen days internship from 20th June to 5th July, 2018 held at SIES Graduate School of Technology. During internship he/she has successfully completed project titled _____.

MS. APARNA BANNORE
COE E-SECURITY COORDINATOR

DR. RIZWANA SHAIKH
HEAD, CE DEPT.

DR. VIKRAM S. PATIL
PRINCIPAL, SIES GST

Department of Information Technology

Report on Student Development Programme on "Designing and Managing Databases"

Name of resource persons: Prof. Savita Lohiya , Prof. Saritha L.R., Prof. Bushra Shaikh, Prof. Stuti Ahuja

Name of the Coordinators: Prof. Stuti Ahuja

Academic Year: 2017-2018   **Date:** 11th to 15th June, 2018

Brief Description:

The Student Development Program was organized by Department of Information Technology, SIES Graduate School of Technology from June 11 to 15, 2018. This student development program is meant to revise the basics concepts of Database Management System and to design the relational model for a given problem. This program mimics the development of a "real" database by designing a conceptual model in the form of an Entity Relationship diagram and translating the conceptual model into a relational schema. Hands-on session of SQL for four days is conducted to implement the application using SQL/MySQL for designing backend.

Objectives:

1. Revise basics of Database Designing concepts.
2. Implementing the relational schema in MySQL.
3. Populating the database.
4. Querying and modifying the database by SQL statements.

Contents:

Module 1: Fundamental Database Concepts, the Entity Relationship (ER) Model and EER model
Module 2: DDL and DML statements, Integrity constraints
Module 3: Aggregation Joins, Nesting of Queries.
Module 4: Views and Transaction Control Commands.
Mini Project Implementation
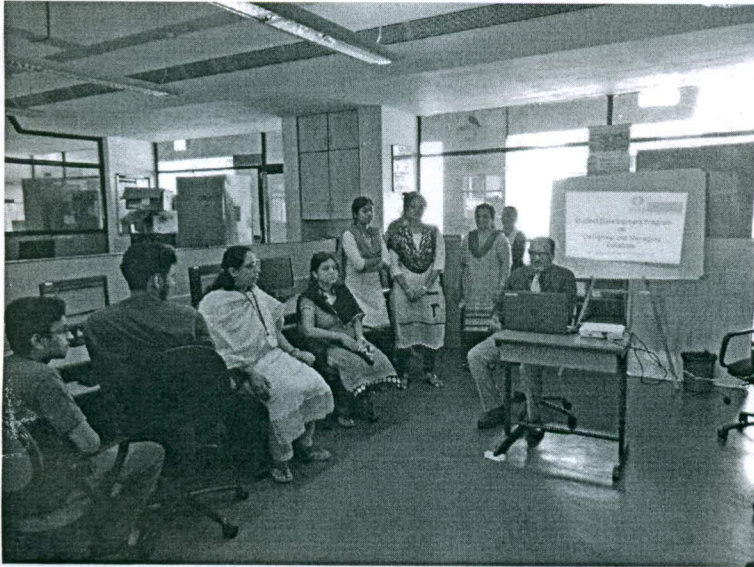There were 7 students from CE and IT departments.

After attending this SDP the participants could use the knowledge and develop applications using Database management concepts and relational model tool SQL.

K.Lakshmisudha
HoD
Information Technology

Faculty In-charge

HOD

Department of Information Technology

SDP on Designing & Managing Databases

Attendance

Sr.No	Name	11-06-18	12-06-18	13-06-18	14-06-18	15-06-18
1	Dipika. Bhanushali	Dipika	Dipika	Dipika	Dipika	Dipika
2	Nimisha. Bhagat	Nimisha	Nimisha	Nimisha	Nimisha	Nimisha
3	Suraj A. Patil	Patil	Patil	Patil		
4.	Rahul Sharma	Rahul·S	Rahul·S	Rahul·S	Rahul·S	Rahul·S
5.	Varun Jadpatri	Varun	Varun	Varun	Varun	Varun
6.	Bhakti Jadhav		Bhakti	Bhakti		
7.	Monika chavan		Milan			
8						

Teacher ;   Prof B cushea S·   prof. Shruti A   prof. Savita   prof Savitha ① Prof. Savitha L·R
Sign :   Bushr.   Li   L.R. ②   Savita
                                                 Shruya   Savitha ③

STUDENT DEVELOPMENT PROGRAM ON "PYTHON PROGRAMMING"

Computer an I.T. department announced student development program on from 20th January, 2018, for the third year students. This workshop would enable the students to develop productivity tools, games, and desktop apps.
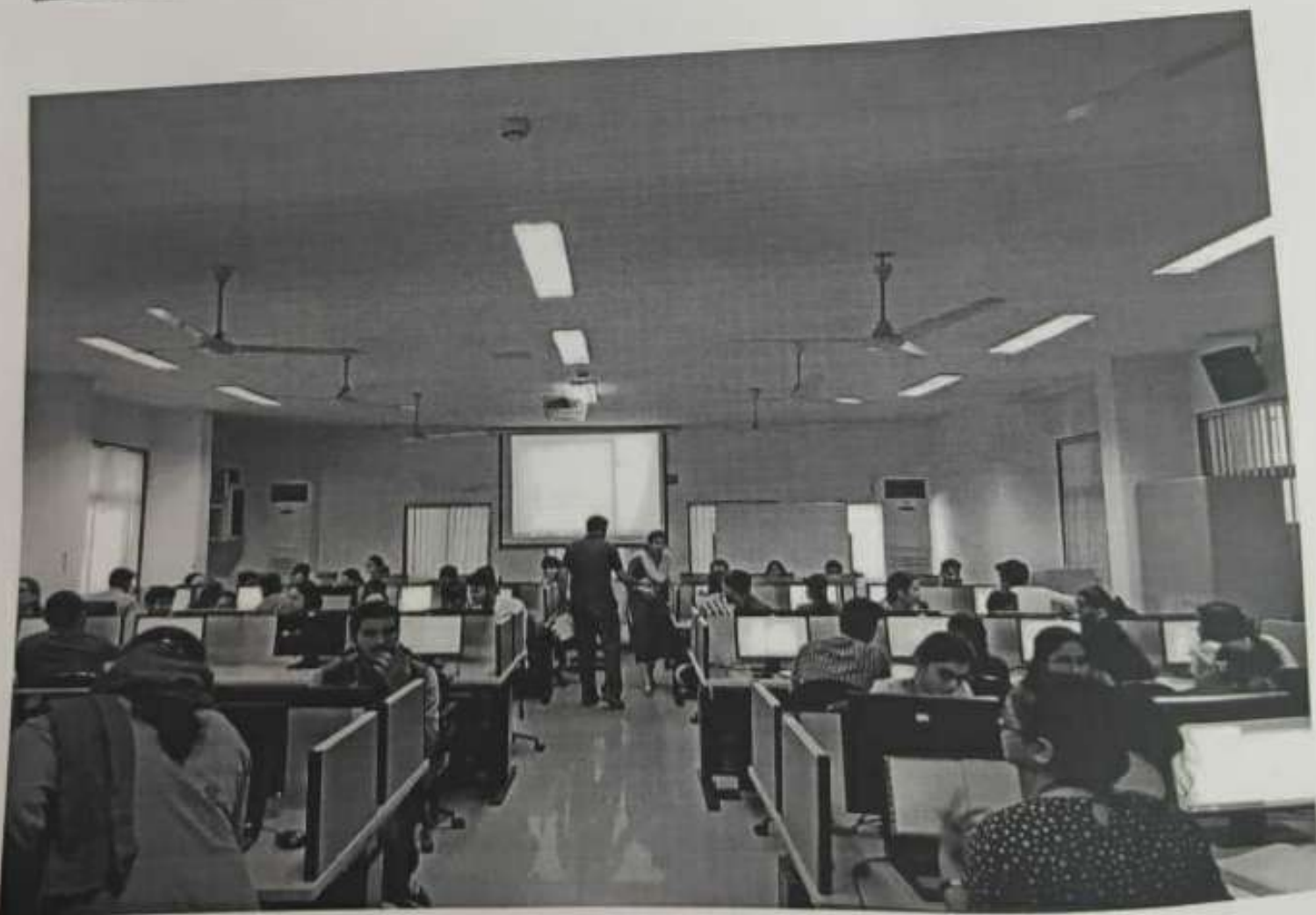
More than 100 students registered for the workshop, but only first 70 registrations were considered for the admission.

The workshop was divided into 5 sessions, covering from python basics, python advanced ,data structures in python, GUI and database in python and concluding with the networking in python.

The workshop was conducted on Saturdays from 20th January, 2018 through 17th April, 2018. The faculties involved in the work shop were Ms.Masooda Modak, Dr. Rizwana Shaikh, Ms. Kranti Bade, Ms. Varsha Mali and Dr. Vijay Katkar.

SIES Graduate School of Technology
Sri Chandrasekarendra Saraswati Vidyapuram
Sector v, Nerul, Navimumbai-400706

Department of Information Technology

Report on 5 days SDP on

Advanced Java

Name of resource persons: Prof. Mrinal Khadse, Prof. Seema Redekar, Prof.Amit Pandhare

Name of the Coordinators: Prof. Seema Redekar,

Academic Year: 2017-2018   **Date** : December 18-22, 2017

Brief Description : The Student Development Program was organized by Department of Information Technology, SIES Graduate School of Technology from December 18-22, 2017. This development program is meant to revise fundamentals of Object Oriented Programming and to learn Advanced Java concepts. It is also designed to give exposure on building a Java based applications. It was open for third year students of IT, CE and EXTC department.

Objectives of the programme were

1. Revise basic Java concepts
2. Design and connecting frontend with backend
3. Learning Advance Java topics

Contents of the programme were

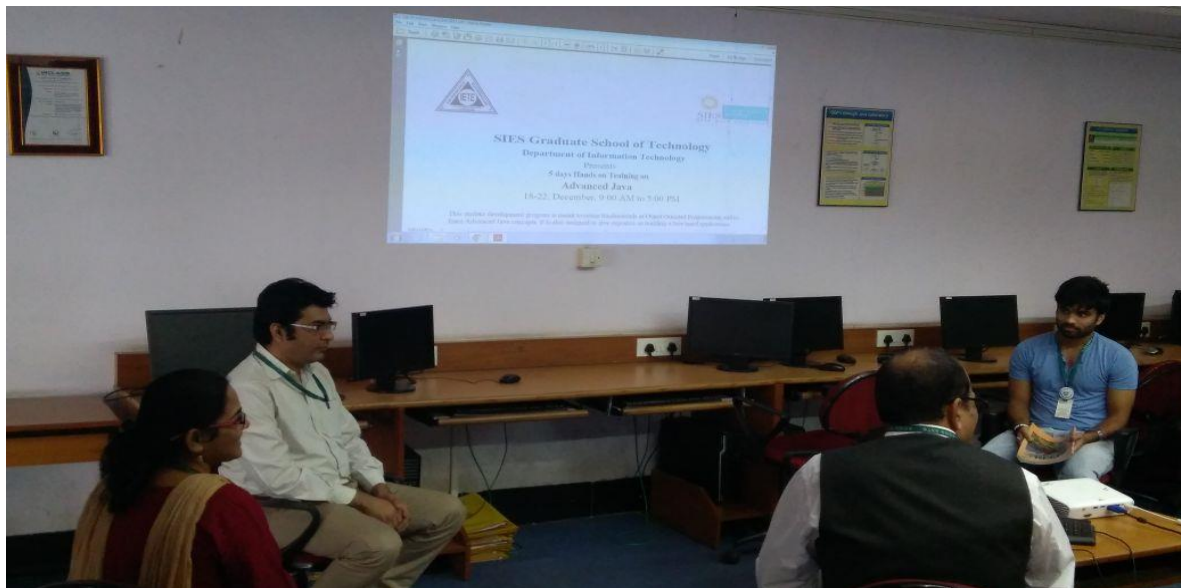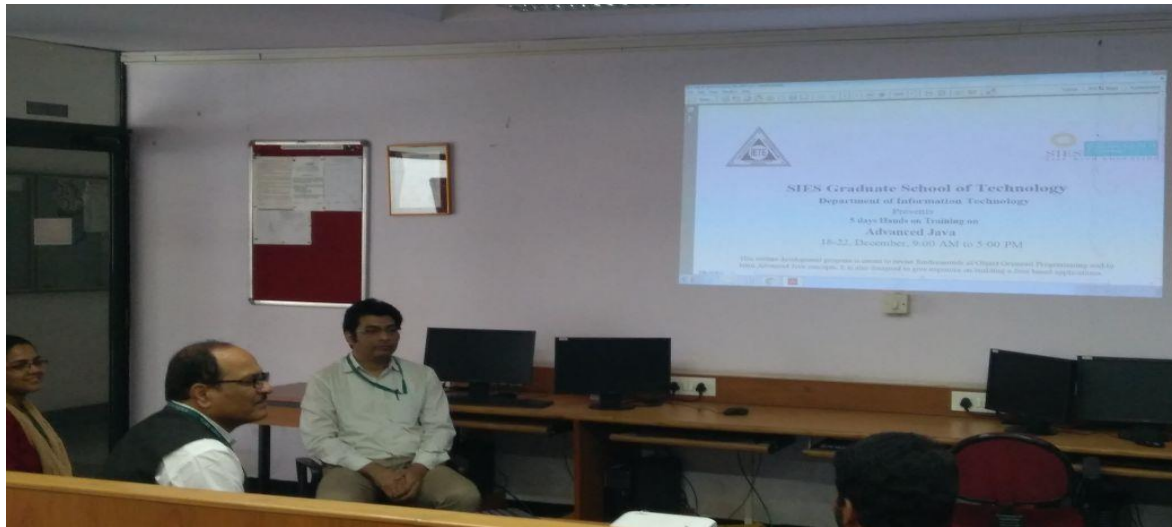**Module 1**: Revision of Basic Java concepts.

Module 2: Design Graphical User Interface using Applet, AWT and Swings.

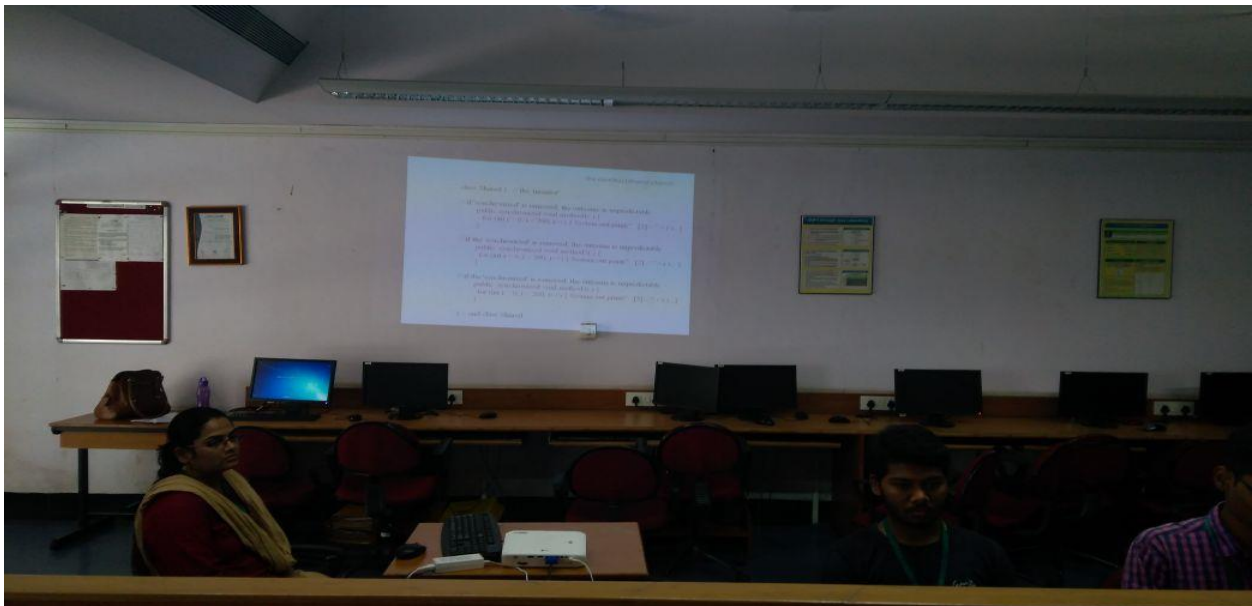**Module 3**: Java database connectivity using JDBC.

Module 4: Introduction to Hibernate, Spring, Struts.

There were 8 students from all the departments.

Photos:

After attending this SDP the participants can use the knowledge developing the application using advance java concepts.

K.Lakshmisudha
HoD
Information Technology

SIES Graduate School of Technology, Nerul
Mechanical Engineering Department

Organize a
5 days Hands on Training on
PLC Programming From Scratch
21-25 June 2018

Now a days, programmable logic controllers(PLC) are an elementary component of state-of-the-art automation solutions. Intelligent solutions are not based on a conflict between these systems, but on unity. With important advantages like, robustness and easy handling, the PLC continues to guarantee its success. Further development will be dependent on more & more steadfast integration of information & communication technology. For the engineering processes, the integrated workflow will covers all engineering tools for production. This require transparency of the data flow between a company's production processes and its business processes.

This training program is meant to be a hands-on type course, giving students opportunity to work on Allen Bradley PLC and Learn various methods of PLC programming. This course is designed to equip the novice with no prior PLC programming experience with the basic tools necessary to create a complete PLC program.

OBJECTIVES

➢ To provide knowledge levels needed for PLC programming and its operating.
➢ To train the students to create ladder diagrams from process control descriptions.

COURSE CONTENT

➢ Introduction to PLC and its types
➢ Learning PLC programming using Ladder Diagram using the Rockwell software RSLogix 500
   ▪ Basic Inputs and Outputs
   ▪ Fundamentals of the Scan Sequence
   ▪ Understanding Bits and Instructions
   ▪ Basic Instruction XIC, OTE and XIO
➢ Different Task will be given to students related to PLC Programming

WHO SHOULD ATTEND

Any student from SE/TE (**EXTC/MECH/IT/CE/PPT**) – Entry for only first 20 students

Course Fees

Free of charge

Contact for Registration

Prof. Abhishek Kadam	Dr. Pradip P Patil
Mobile: 9730032260	Mobile:9869829395
Email ID: kadam.abhishek@siesgst.ac.in	Email ID: pradip.patil@siesgst.ac.in

SCHEDULE					
Date	**Day 1**	**Day 2**	**Day 3**	**Day 4**	**Day 5**
Resource person	**Abhishek Kadam**	**Abhishek Kadam**	**Abhishek Kadam**	**Abhishek Kadam**	**Pradip P. Patil**
Time	10:00 AM	10:00 AM	10:00 AM	10:00 AM	10:00 AM
Morning	Learning PLC programming using Ladder Diagram using the Rockwell software RSLogix 500 Basic Inputs and Outputs	Fundamentals of the Scan Sequence	Understanding Bits and Instructions	Basic Instruction XIC, OTE and XIO	Interfacing with Hydraulics and Pneumatic Kit
	Assignment/ Activity				
Afternoon	Hands on practice on Rockwell software RSLogix 500	Hands on practice on Rockwell software RSLogix 500	Hands on practice on Rockwell software RSLogix 500	Hands on practice on Rockwell software RSLogix 500	Hands on practice on Rockwell software RSLogix 500 and Pneumatic Kit

Photographs:
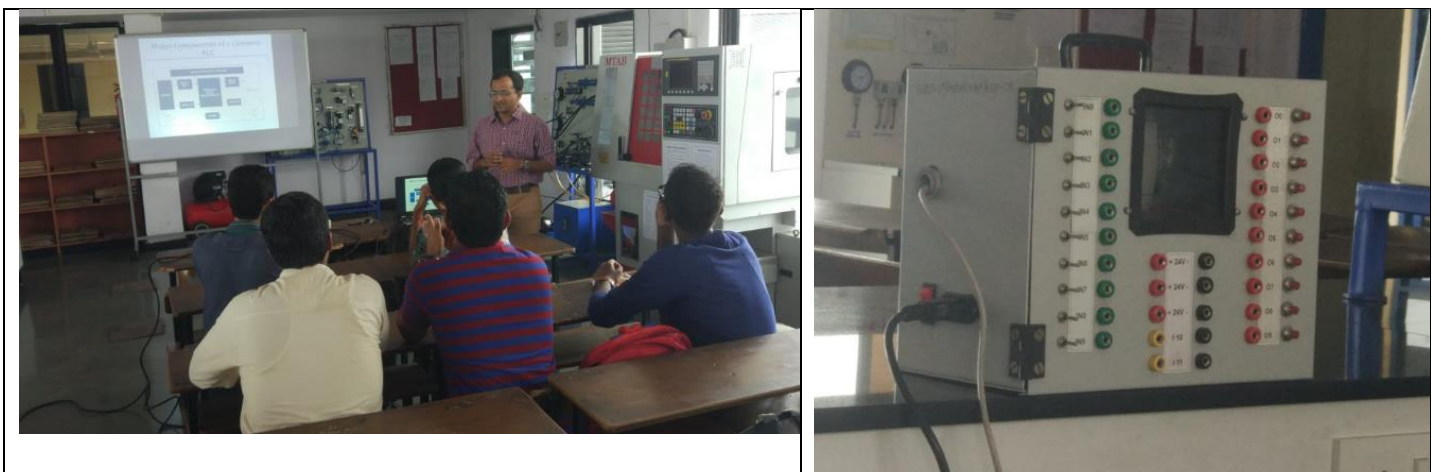
Report:

A SDP was organized for the Mechanical Engineering student **from** 21 June 2018 to 25 June 2018. The SDP was conducted by Prof. Abhishek Kadam and Dr. Pradip P. Patil on the topic "PLC programming from scratch" in Mechatronics lab in Mechanical Engineering Department. Altogether 15 students were present for the workshop. The workshop consists of live problems of various domains such as Hydraulics and pneumatics. The detail analysis of the feedback is given below:

Criteria (Tick the appropriate column)	Strongly Agree	Agree	Disagree	Strongly Disagree
The content was as described in publicity materials	75%	25%	-----	-----
The material was presented in an organized manner	75%	25%	-----	-----
I will recommend this workshop to other conservators	60%	40%	-----	-----
The program was well paced within the allotted time	41%	59%	-----	-----
The instructor was a good communicator	92%	8%	-----	-----
The instructor was knowledgeable on the topic	93.5%	6.5%	-----	-----
I would be interested in attending a follow-up, more advanced workshop on this same subject	58.3%	41.7%	-----	-----