SIES Graduate School of Technology
Sri Chandrasekarendra Saraswati Vidyapuram
Sector 5, Nerul, Navimumbai-400706

Department of Electronics and Telecommunication
Event Report

EDUVANCE SUMMER INDUSTRIAL TRAINING 2018

Event Information
Event Type: SITIP 2018
Event title: Summer Industrial Training and Internship Program on Embedded Systems and IoT
Resource Person: Dr Jonathan Joshi
Event date: From: **June 19, 2018** To: July 19, 2018
Organized for: Student
Organized by: Shubhangi Kharche
Target audience (branch & nos.): SE and TE EXTC 34 students
Attachments: 1. Photographs (in JPEG/PNG)   2. Attendance report   3. Feedback

PRINCIPAL
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Sri Chandrasekarendra Saraswathy Vidyapuram
Sector-V, Nerul, Navi Mumbai - 400706

Event Description

- Total of two quizzes were conducted during the full course.
- Class Labs and assignments is based on 74 labs done in class, homework, and junior instructor feedback about every student.
- Final Course Project was based on all the concepts taught and practical performed during the entire course.
- Extra Credit Projects like Wireless Air mouse and Shake it off were performed as a part of the course.

GRADE DISTRIBUTION

Particulars	Weightage (%)
Attendance	5
Quizzes	15
Final Written Exam	25
Class Labs and Assignments	25
TA Variable	15
Final Course Project	15
Total	100
Extra Credit Projects Allotted (% worth)	2

GRADE CUT-OFF

% Range	Grade
80-100	A+
65-80	A
60-65	B+
50-60	B
Below 50	C

LIST OF PROJECTS

- **Shake-it Off**

Detection of fast and abrupt motion of a device using a 3-Axis Freescale Semiconductors MMA8451Q accelerometer with FRDM KL25Z.

- **Wireless Airmouse**

Used the on board accelerometer (Freescale MMA8451Q) and capacitive sensor APIs of MBED and developed a wireless mouse that alters its sensitivity with respect to the input given by the transmitter using an nRF24L01P transceiver pair to give it a wireless capability.
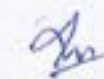
- **IOT On Request**

Uploading data on the Thingspeak server as a command from the user as well as downloading the required data from the Thingspeak server on the command from the user using serial communication and ESP8266 Wi-fi module.

- **Surface Level Indicator**

Detection of abrupt surface, either flat or extremely tilted using a 3-Axis on board accelerometer (Freescale Semiconductors MMA8451Q) with FRDM KL25Z.

- **Node-Red IBM**

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Up streaming and Down streaming of data through Thingspeak server on Node Red platform and controlling various on board components of FRDM KL25Z using ESP8266 Wi-fi Module.

- Data Acquisition system

A data acquisition and logging system using serial communication through UART and plotting the real time output.

- Wireless Data Acquisition system

A wireless data acquisition and logging system using serial communication by uploading data on Thingspeak server by ESP8266 Wi-fi Module and plotting the real time output.

COURSE OUTCOMES

MBED

1) Students were introduced to ARM microcontrollers, the ARM MBED platform and the MBED online compiler.

2) Concepts of digital output and PWM understood using different APIs available on MBED platform.

3) Serial communication with computer using FRDM board and Terminal Application learnt.

4) Concepts of ADC learnt to interface an LDR and potentiometer with MBED board.

5) Students developed deeper understanding of basic C and Object oriented C++ coding.

6) Students built final project –A Wireless Data Acquisition System (DAS) using serial communication by uploading data to Thingspeak server through wifi -module via one-to-one communication from Transmitting Mbed board to Receiving Mbed board and plotting the real time output.

PSoC 4200 BLE and Internet of Things

1) Concept of Universal Digital Blocks (UDBs) learnt.

2) Using the PSoC Creator software for programming PSoC 4200 BLE.

2) Configuring various components like PWM and UART on the PSoC Creator software learnt.

3) Concepts of serial communication using UART and ADC of PSoC 4200 BLE and Terminal software learnt.

4) Internet of Things concepts learnt for different applications like monitoring using online data Stream.

5) Creation of an online data stream on Thingspeak and controlling the stream data.

Arduino UNO

1) Basics of Arduino and fundamental interfaces with Arduino learnt.

2) Using the IDE software for programming Arduino UNO.

3) Interfacing of various components like UART and PWM on the IDE software learnt.

4) Serial Communications with computer using Arduino UNO and Serial Monitor learnt.

5) Basics of other Arduino Platforms learnt.

1. Photographs (in JPEG/PNG)

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Attendance Sheet

STTP on Embedded Systems and IoT 2018   Department of Electronics and Telecommunication, SIESGST

Sr. No.	Name of Student	Roll No.	Class	Division	15.06.2018 Sign	18/6/18 Sign	19/6/18 Sign	20/6/18 Sign	21/6/18 Sign	22/6/18 Sign	12/6/18 Sign	23/6/18 Sign
1	Kruthika Desai	2148210M	H.E	B								
2	Komal Tawade	2168210S	BG	B								
3	Gaurav Srivastava	2168210S	BC	B								
4	Disha Dhakde	2168210	I&E	B								
5	Yogesh Ravi	2168210	E.E.	B								
6	Neha Pamley											
7	Amit Shetty											
8	Amit Bhosle											
9	Rashmi Shetty											
10	Sanyeeta Kalolkar											
11	Philip Kaliani											
12	Chetan Kala											
13	Suraj Shetty											
14	Soum Subramar											
15	Pranali Desai											
16	Shweta Kamble											
17	Anju Menon											
18	A. Praveen											
19	Aayush Verma											
20	Saksham Gupta											
21	Medha Mahale											
22	Siddhesh Mahale											
23	Poonam Naidu											
24	Mansi N											
25	Harshada Pawar											
26	Kalpa Dalal											
27	Aamir Khan											
28	Shweta Jevanagi											
29	Vishal Iyer											
30	Nitin Iyer											
31	Tikka Kuslay											
32	Poja Vijayakumar	IIGDETTE	A									
33	K. Sairam											
34	Dhairsal Kotar	2168203	B.E	B								
35	Megha Glover											

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Attendance Sheet

STTP on Embedded Systems and IoT 2018 Department of Electronics and Telecommunication, SIESGST

15.06.2018

Sr. No	Name of Students	Roll No.	Class	Division	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
1	Harshita Desai	21692164	BE	B	K.D							
2	Sonal Tiwari	21692115	BE	B								
3	Rakesh Waghmare	21692820	BE	B								
4	Krishna Dhruv	21692105	S.E.	B			0				0	2
5	Vaibhav Mehta	21692103	S.E.	B		0						
6	Kunal Bombay					0						
7	Rohit Shetty					0						
8	Jash Gujrati					0			0			0
9	Aditi H Shetty					1						2
10	Suresh Venkateshan					0	0					0
11	Aditya Kulkarni					0	0					0
12	Dhruv Joshi					0						
13	Suraj Shetty					0						
14	Tejas Ambole					0						
15	Bharat Patil					0						
16	Abhinav B					0						
17	Akshay Prasad					1						
18	A.T. Hirvender					0						
19	Satish Verma					0						
20	Saksh Gupta					0						
21	Madhavi M.					0						
22	Siddhey M.					0						
23	Rupendra Hadu					0						
24	Mansi N					0						
25	Hershani Pawar					0						
26	Rohila Dadar					1						
27	Aamir Khan					1						
28	Sonal Jadhav					1						
29	Ajay Yadav					1						
30	Tilak Kundlar					1						0
31	Priya S					0						
32	Magur Gaikwad	21692109	BE	6	Bhanat							Bhanat

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Attendance Sheet

SITTP on Embedded Systems and IoT 2018   Department of Electronics and Telecommunication, SIESGST

Sr. No.	Name of Student	Roll No.	Class	Division	Signature	1/7/18 Sign	12/7/18 Sign	13/7/18 Sign	19/7/18 Sign	19/7/18 Sign	20/7/18 Sign	21/7/18 Sign
1	Kanishka Desai	216A2104	BE	B								
2	Komal Tiwale	216A2119	BE	B								
3	Seba K Chacan	216A2090	BE	B								
4	Pooja Dhopkar	216A2104	BE	B								
5	Yash Gupta	216A2163	B.E.	B								
6												
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32												
33	Mayur Chavan	216A2105	BE	B								

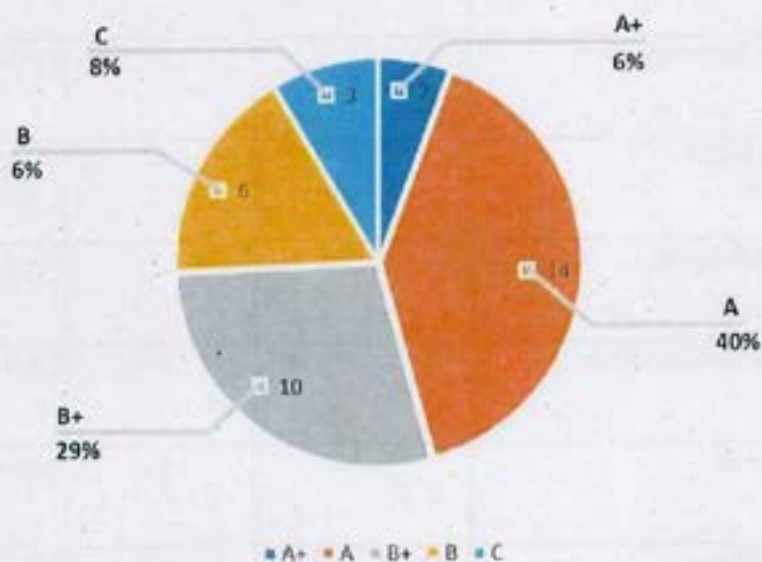**PRINCIPAL**
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3. Feedback Report (Scanned copy)

The instructor had complete knowledge about the relevant topic.	The instructor did a thorough job of evaluating my work.	The instructor helped students master relevant concepts and skills.	Any comment about any instructor on Course? Please be specific.	Any comment about any Teaching Assistant on the course? Please be specific.	How likely are you to recommend the SIT course conducted by Eduvance to your friends?	Would you be interested in attending any other course conducted by Eduvance in near future?	Start Date (UTC)	Submit Date (UTC)	Network ID
5	5	5			4	5	2018-09-22 07:16:27	2018-09-22 07:17:47	d84651b3fa
4	4	4	Dilip sir is exceptionally well with examples ..it made easier	Both ta helped well and explained well	4	4	2018-09-22 07:12:55	2018-09-22 07:16:01	d84651b3fa
4	5	4	Dilip sir taught us from basics and made us practice simultaneously. he made sure we developed	TA was good with the help	5	4	2018-09-22 06:42:47	2018-09-22 06:45:57	6e86b772af
5	4	5		kaustubh helped us and his ha were good for practice	4	5	2018-09-22 06:36:06	2018-09-22 06:38:00	6e86b772af
4	5	5	Sir were so supportive and exceptional skills of teaching	nikunj was thorough and helpful	5	5	2018-09-22 06:31:01	2018-09-22 06:35:59	6e86b772af
4	5	5	Dilip sir helped us in every aspect and he was very coordinating .	both the TA's were helpful	4	5	2018-09-22 06:16:57	2018-09-22 06:30:50	6e86b772af
5	5	5	He was Great, He cleared all the doubts that we had and was very much interactive throughout the session	They were good!	5	5	2018-09-22 06:15:34	2018-09-22 06:19:33	6e86b772af
4	3	4	Dilip Sir had good knowledge of the topic but because of the time span he was not able to deliver it completely but	TAs were most of the time busy in their phone but helped us whenever we had any issues or errors	3	3	2018-09-22 06:09:16	2018-09-22 06:12:47	6e86b772af

			the teaching was good						
4	3	4	Dilip Sir was very helpful and he made us understand each and every concept thoroughly	Nikunj Sir and Kaustubh Sir were the best TA they were really very helpful in solving our doubts	5	5	2018-09-22 06:05:46	2018-09-22 06:09:02	6e86b772af
5	4	5	The instructor had good knowledge about the topic and was helpful in making us understand each and every topic	The TA were great and helped to solve our doubts and humble enough	5	4	2018-09-22 06:02:54	2018-09-22 06:05:23	6e86b772af
2	2	3		Trainers were more often busy on phone sometimes	3	3	2018-08-14 13:47:20	2018-08-14 13:50:27	fa3c5eca8f
3	4	1	Some of the topics like PSOC were given entirely as home assignments, and we were asked to watch video lectures. But I guess we didn't have enough time		2	2	2018-08-12 14:32:12	2018-08-12 14:35:48	10f77f2500
4	4	4			5	5	2018-08-11 06:41:24	2018-08-11 06:43:44	c45be86715
5	4	4			5	5	2018-08-11 06:08:30	2018-08-11 06:10:15	d68c99b763
4	2	2			1	2	2018-08-11 06:02:47	2018-08-11 06:04:32	e5553813an
5	5	5			5	5	2018-08-11 06:00:50	2018-08-11 06:02:11	5a1091a0e0

Impact Analysis:

SIES GST STUDENT GRADE ANALYSIS

Total Students (EXTC): 34

SIES GST Grade Distribution

C
8%

A+
6%

B
6%

A
40%

B+
29%

■ A+ ● A ■ B+ ● B ■ C

SIT SIES GST STUDENTS

Name	Percentage	Grade	Department
Rajiv Srikrishnakumar Iyer	59.60	B	Electronics and Telecommunication

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Name	Score	Grade	Branch
K.Sriram	63.96	B+	Electronics and Telecommunication
S Anuraag Iyengar	73.13	A	Electronics and Telecommunication
Suraj Shetty	60.54	B+	Electronics and Telecommunication
Aayush Verma	39.45	C	Electronics and Communication
A J Haravindan	68.40	A	Electronics and Telecommunication
Krutika Vijay Desai	57.20	B	Electronics and Telecommunication
Komal Satish Jawale	59.45	B	Electronics and Telecommunication
Dhruv Kohli	73.65	A	Electronics and Telecommunication
Aditya Kulkarni	56.70	B	Electronics and Telecommunication
Satwik Santosh Chavan	61.82	B+	Electronics and Telecommunication
Jeet Barot	52.76	B	Electronics and Telecommunication
Moiz Bombay	56.79	B	Electronics and Telecommunication
Mansi Vitthal Nandanwar	69.10	A	Electronics and Telecommunication
Poornima Manohar Naidu	73.85	A	Electronics and Telecommunication
Saadat Hilal Mukadam	24.50	C	Electronics and Telecommunication
Sarvesh Chandrakant Kothekar	60.49	B+	Electronics and Telecommunication

Name	Percentage	Grade	Branch
Yogesh Shekhar Dalvi	62.34	B+	Electronics and Telecommunication
Diksha Babasaheb Dhaykar	62.61	B+	Electronics and Telecommunication
Aashith Shetty	70.96	A	Electronics and Telecommunication
Divit Dayakar Shetty	49.76	C	Electronics and Telecommunication
Medhansh Prakash Mahto	76.45	A	Electronics and Telecommunication
Siddhey Santosh Mahadik	63.98	B+	Electronics and Telecommunication
Harshada Jija Pawar	60.44	B+	Electronics and Telecommunication
Kokila Nadar Thanaselvam	62.61	B+	Electronics and Telecommunication
Aamir Naseem Khan	68.93	A	Electronics and Telecommunication
Vignesh Rameshkumar Iyer	73.00	A	Electronics and Telecommunication
Akshayprasad Arunkumar	80.03	A+	Electronics and Telecommunication
Sakshi Subodh Gupte	69.03	A	Electronics and Telecommunication
Jiten Ganesh Kunder	89.41	A+	Electronics and Telecommunication
Kallath Pooja Vijayakumaran	78.83	A	Electronics and Telecommunication
Mrunali Chintaman Dalvi	69.71	A	Electronics and Telecommunication
Aishwarya Nataraja Banawar	75.59	A	Electronics and Telecommunication
Jasan Sukumar	61.21	B+	Electronics and Telecommunication

Mayur Gharat	66.32	A	Electronics and Telecommunication

SIT SIES GST TOP 3 STUDENTS

Name	Percentage	Grade	Department
Jiten Ganesh Kunder	89.41	A+	Electronics and Telecommunication
Akshayprasad Arunkumar	80.03	A+	Electronics and Telecommunication
Kallath Pooja Vijaykumaran	78.83	A	Electronics and Telecommunication

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SIES Graduate School of Technology

Department of Computer Engineering
Organizes

Hands on Training on
Software Design

16 – 21 Dec, 10 AM to 4.00 PM

Who will be benefited?
Students who want to learn skills necessary for software design.

Prerequisite
Data Structures

Objectives:

1. To be able to formulate the problem by abstracting the data models, functional models of a given software design problem.
2. To be able to identify constraints, generate and evaluate alternative solutions based on a given constraints.
3. Explain the behaviour of a system using UML activity diagrams.
4. To create comprehensive and cohesive software conceptual design.
5. Evaluate the existing software design architecture.

Outcomes:
By the end of the course, the learner can:
1. To generate good quality software design architecture
2. To be able to link various UML diagrams and test for effectiveness

Contact for Registration:
Dr. Deepti Reddy
deepti.reddy@siesgst.ac.in
9323420286

Note:
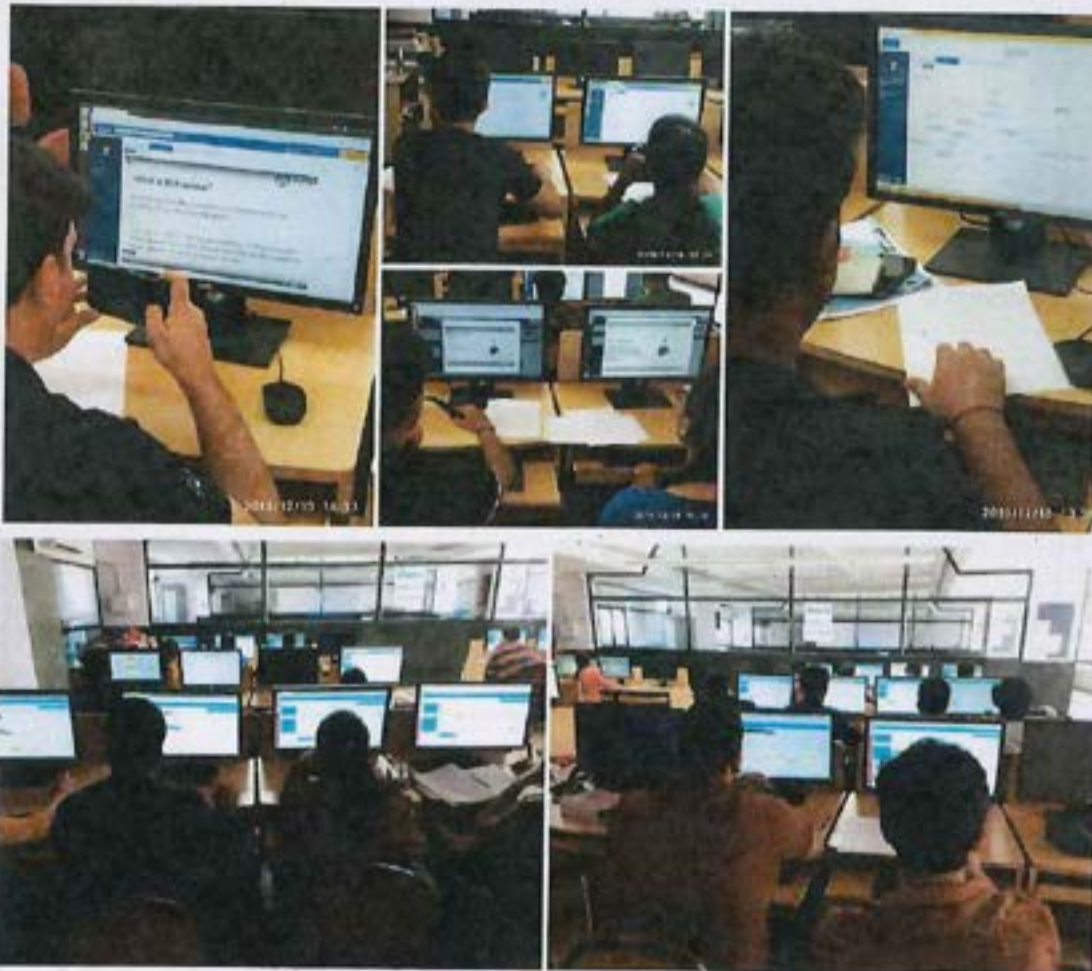1. Workshop is free of cost for SIES GST students
2. Workshop is for all branches of engineering

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Day wise Schedule of Workshop

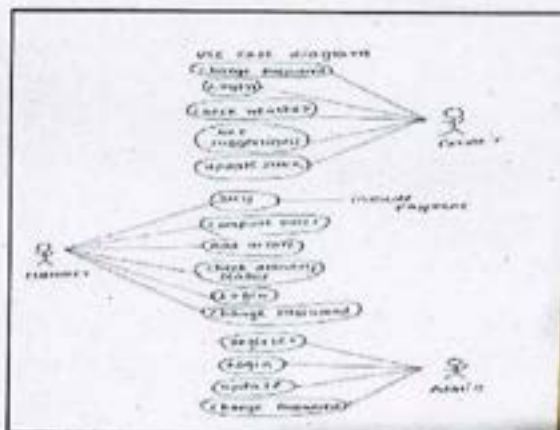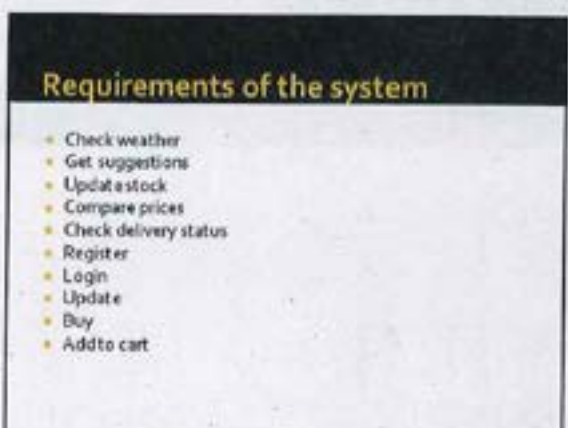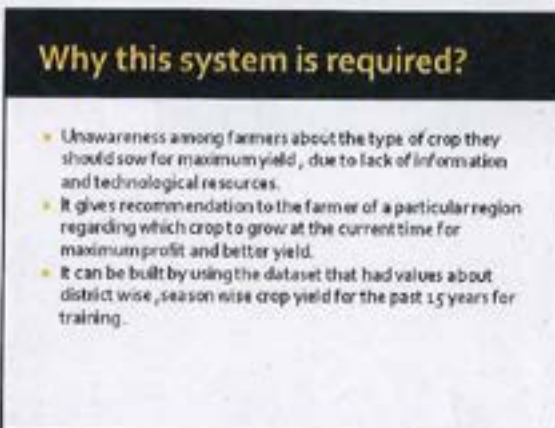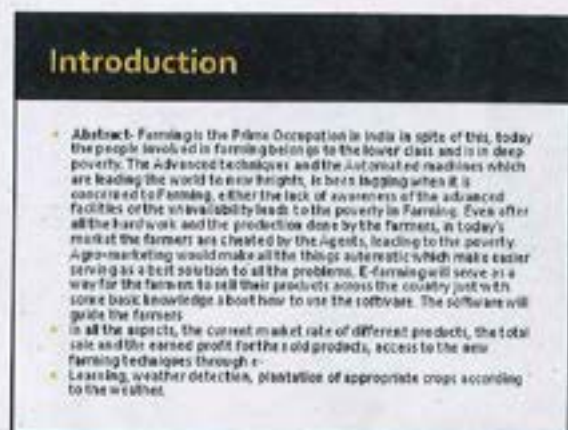| Day	Activity
Day 1 16/12/2020	**Software design process** In this module you will learn the phases of software design and the skills to be applied to formulate problem, generate alternative solutions, evaluate based on constraints and select.
Day 2 17/12/2020	**Object Oriented Analysis of Complex Problems using UML** In this module you will learn how to create a conceptual model of any system, know in which situations conceptual modelling is efficient and when and how to apply it successfully.
Day 3 18/12/2020	**UML Architecture Diagrams** In this module you will learn about software architecture. You will learn why architecture is important, what perspectives need to be considered, and how to communicate architecture using UML
Day 4 19/12/2020	**Software conceptual design** In this module you will learn to think and **link different functions, behaviors and structures** in design problem contexts, and apply this thinking in creating software designs.
Day 5 20/12/2020	**Software architecture quality evaluation** In this module you will learn the **relationship between different design diagrams** by tracing different scenarios in the design.
Day 6 21/12/2020	**Discussion and Project Assignment**

Department of Computer Engineering

Event Report

Student Development Program
Software Design

Event Information

Event Type: Workshop followed by internship
Event Title: Software Design and Internship
Resource Person: Dr. Deepti Reddy (Associate Professor, SIESGST) Mr. Prajish P (Research Scholar, IITB) Ms. T.G. Lakshmi (Research Scholar, IITB) Prof. Sunil K Punjabi (Assistant Professor, SIESGST)
Event Date: 16 – 21 December 2020
Organized for: Students
Organized by: CE Department
Target Audience (Branch & Nos.): Undergraduate Students Number of students registered- 23 Number of students completed the course- 21
Attachments: 1. Photographs (JPEG/PNG) 2. **Attendance Report** 3. **Feedback Report** 4. **Sample certificate**

Event Description

What skills do graduating students require when they enter the software industry? This is a pertinent question, especially in India where around 1.6 lakh students with a computer science degree enter the job market every year. To address this need, this course is designed to guide novices to learn the skills that are essential for a good software designer to solve complex software design problems.

Certificates were given to students on successful completion and presentation of developed applications. Feedback was collected and overall feedback shows students were satisfied with content and requested to conduct future SDPs on software design.

1. Photographs (in JPEG/PNG):

Project Presentation

Software designing
Farmer helper

Introduction

- Abstract- Farming is the Prime Occupation in India in spite of this, today the people involved in farming belongs to the lower class and is in deep poverty. The Advanced techniques and the Automated machines which are leading the world to new heights, is been lagging when it is concerned to Farming, either the lack of awareness of the advanced facilities or the unavailability leads to the poverty in Farming. Even after all the hardwork and the production done by the farmers, in today's market the farmers are cheated by the Agents, leading to the poverty. Agro-marketing would make all the things automatic which make easier serving as a best solution to all the problems. E-farming will serve as a way for the farmers to sell their products across the country just with some basic knowledge about how to use the software. The software will guide the farmers.
- In all the aspects, the current market rate of different products, the total sale and the earned profit for the sold products, access to the new farming techniques through e-
- Learning, weather detection, plantation of appropriate crops according to the weather.

Why this system is required?

- Unawareness among farmers about the type of crop they should sow for maximum yield, due to lack of information and technological resources.
- It gives recommendation to the farmer of a particular region regarding which crop to grow at the current time for maximum profit and better yield.
- It can be built by using the dataset that had values about district wise, season wise crop yield for the past 15 years for training.

Requirements of the system

- Check weather
- Get suggestions
- Update a stock
- Compare prices
- Check delivery status
- Register
- Login
- Update
- Buy
- Add to cart

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2. Attendance and Feedback Report (Scanned copy):

Attendance:

Number of students registered- 23
Number of students completed the course- 21

List of registered students-

Name	College	
Yameeni Mahadev Mhaske	Pillai College Of Engineering, Panvel	
Adyasha Rama Chandra Mishra	SIES Graduate School of Technology	
Shreyas Ravindran Chailiyil	Pillai College Of Engineering, New Panvel	
Mayur Gopan	Pillai College Of Engineering, New Panvel	
Nikhil Sabe	SIES Graduate School of Technology	
UDIYAR SANTHIYA RAMESH	SIES Graduate School of Technology	
Thevar Mahalakshmi Murugan	SIES Graduate School of Technology	
Surya Krishna	SIES Graduate School of Technology	
YAGNESH NARAYANAN	SIES Graduate School of Technology	
ANANDTEERTHA RAO	SIES Graduate School of Technology	
Shreya Khare	SIES Graduate School of Technology	
manitha sree	SIES Graduate School of Technology	
SHARAN MURLI	SIES Graduate School of Technology	
Parulekar Girish Gunaji	SIES Graduate School of Technology	
Sujoy Banerjee	Terna Engineering College	
Sharma Nishant Shreegopal	SIES Graduate School of Technology	
Kaustubh Langade	Terna College Of Engineering.	
Kedar Sant	SIES Graduate School of Technology	
NIKHITHA JAYAPRAKASH	SIES Graduate School of Technology	
Atharva Vaidya	SIES Graduate School of Technology	
Tanuj Palaspagar	Terna Engineering College	
Ratish Shinde	SIES Graduate School of Technology	

List of students completed successfully-

SIES Graduate School of Technology, Nerul
Software Design Workshop
Attendance- Project Presentation

Group No.	Name	Project title	1/4/2020 Sign
Group 1 *	Mayur Gopan	Women Safety App	Mayur
	Sujoy Banerjee		Sujoy
	Shreyas C R		Shreyas
Group 2 *	Tanuj Palaspagar	DEPRESSION CURING SYSTEM & COUNSELLING SERVICES FOR MENTAL DISORDERS	
	Kaustubh Langade		
Group 3	Sharan Murli	E- Healthcare system	
	Girish Gunaji Parulekar		
	Ratish Shinde		
Group 4	Nikhil Sabe	Safety App	Nike
	Udiyar Santhiya Ramesh		
	Thevar Mahalakshmi Murugan		
Group 5 *	Kedar Sant		Kedar
	Suyra Krishna		Sury
	Sharma Nishant Shreegopal		Nishant
Group 6	Yagnesh Narayanan	Movie Maker's Task manager	Yagnesh
	Anandteertha Rao		Anand
Group 7	Atharva Vaidya	Safety and Security System	
	Shreya Khare		
Group 8	Nikhitha Jayaprakash		
Group 8 *	Adyasha mishra	farmer's Portal	Adyasha
	Mahitha srea Sakthi Kumar	farmer's Portal	Mahi

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Sector - V, Nerul, Navi Mumbai - 400706

Feedback analysis

Total 15 out of 21 students gave the feedback as shown below-

Impact Analysis

The workshop ended with a Skype interaction with Prof. Sridhar Iyer and workshop participants. Students gave insightful responses when asked to reflect on what they learnt during the workshop. They appreciated the need for such a workshop and said that it gave them a new understanding of what software design entails. They realized the method of approaching software design problems is as important as finding the solution. They also said that the strategies and techniques they learnt would be useful in approaching design problems in the future.

Overall, the workshop was a good learning experience for us, as this was our first workshop where several learning environments were packaged in a multi-day workshop. We wish to conduct similar software design workshops as well as workshops which target other thinking skills like troubleshooting and computational thinking.

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Sample Certificate

CERTIFICATE
OF COMPLETION

SIES

This is to certify that

Mr./Ms.   *Kaustubh Langade*

has successfully completed the course on
"Software Design"
and fifteen days internship from 16th Dec to 4th Jan , 2019 held at
SIES Graduate School of Technology. During internship he/she has successfully
completed project titled   *"Depression Coping System"*

DR. DEEPTI REDDY
COURSE COORDINATOR

DR. APARNA BANNORE
HOD , CE DEPT.

DR. ATUL KEMKAR
PRINCIPAL,SIES GST

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY
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SIES
Graduate School of Technology

CERTIFICATE OF COMPLETION

This is to certify that

Anushree Kolhe

Has successfully completed the course

Data Science with R

from 22 June 27 June 2020 and fifteen days Internship held at SIES
Graduate School of Technology. During internship he/she has successfully
completed project titled COVID Data rorecastin

Pranita Mahajan
WORKSHOP COORDINATOR

Dr. Aparna Bannore
HEAD CE, DEPT

DP. Atul Kemkar
I/C PRINCIPAL SIESGST

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY
Sri Chandrasekarendra Saraswathy Vidyapuram
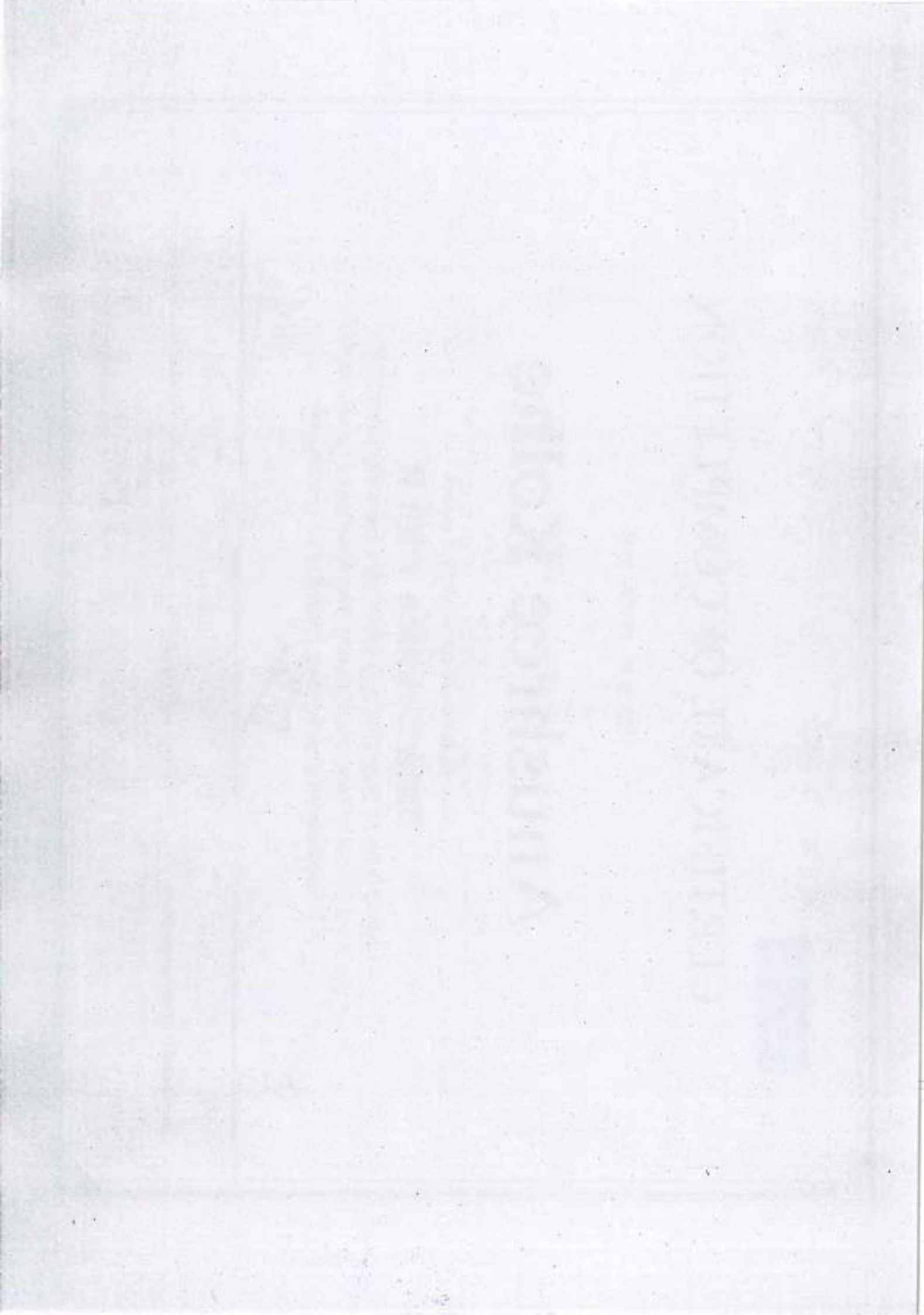
SIES Graduate School of Technology
Center of Excellence: e-Security
Organizing
Student Development Program and Internship
5 days Hands on Training on
Ethical Hacking and Security
June 13 to 19, 2018, 9.30 AM to 5.00 PM

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.

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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:
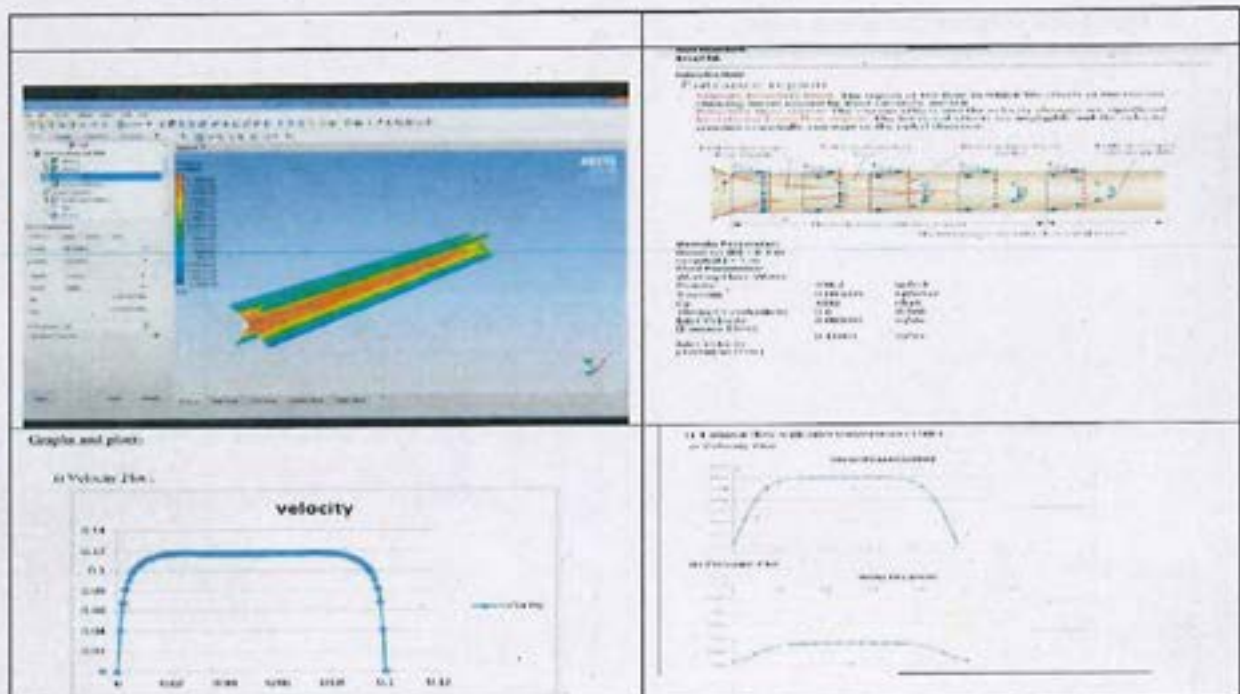
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Sector-V, Nerul, Navi Mumbai-400706

CERTIFICATE
OF COMPLETION

CR No. e-Sec/EH2018/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	DR. RIZWANA SHAIKH	DR. VIKRAM S. PATIL
COE E-SECURITY COORDINATOR	HEAD, CE DEPT.	PRINCIPAL, SIES GST

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Hands on Training on
Heat transfer and fluid flow analysis using Ansys fluent
22 June to 3 July [Two weeks], 10 AM to 4.00 PM

Who will be benefited?

1. Students who want to develop project in the domain of computer aided engineering. i.e. CAE
2. Students who want to enrol for higher studies in computational fluid dynamics
3. Students who want to join as developer or CFD expert analyst

Prerequisite

Background of C/C++/JAVA, FDM

Basics of statistics, Math and algorithms

Introduction: This student development program is meant to revise basics concepts of Computer aided Engineering and to validate the model for a given problem. This program is based on design and implantation to solved industrial based live problems using CAE tools.

Objectives: The objective of this course is to teach ANSYS basics in the following areas:➤ANSYS capabilities, terminology, and ANSYS Interactive (GUI). ➤How to build Finite Element Models in ANSYS. ➤Basic steps of performing a complete ANSYS analysis. ➤Meshing Techniques ➤Results Post processing

Contact for Registration:

Prof. chandan chaudhari

Chandan.chaudhari@siesgst.ac.in

9870335652

Note:

1. Workshop is free of cost for SIES GST students
2. Workshop is for all branches of engineering

Sr No.	Day	Acitvity
1	Day 01 22/06/2020	Introduction to CFD and its applications
2	Day 02 23/06/2020	Hands on training & overview on Ansys Fluent
3	Day 03 24/06/2020	Fluid flow simulation in circular pipe

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4	Day 04 25/06/2020	Fluid Flow simulation with laminar flow through pipe with UHF
5	Day 05 27/06/2020	Fluid Flow simulation with laminar flow through pipe with CT
6	Day 06 28/06/2020	Fluid Flow simulation with turbulent flow through pipe
7	Day 07 29/06/2020	Fluid Flow simulation with turbulant flow through pipe with UHF
8	Day 08 30/06/2020	Fluid Flow simulation with turbulant flow through pipe with CT
9	Day 09 01/07/2020	Comparative analysis of flow through pipe
10	Day 10 03/07/2020	Discussion

Department of Mechanical Engineering
Event Report

Heat Transfer and Fluid Flow Analysis using Ansys Fluent
(22/06/2020 -03/07/2020)

Event Information

Event Type: Student Development Program

Event title: Heat Transfer and Fluid Flow Analysis using Ansys Fluent

Resource Person: Mr.Chandan D. Chaudhari, Mr. Ajay S.Hundiwale, Dr.Kaustubh V.Chavan

Event date: From: (22/06/2020 -03/07/2020)

Organized for: Students of SIESGST

Organized by: Department of Mechanical Engineering

Target audience (branch & nos.): Mechanical : 18 Students

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

Event Description

A SDP was organized by mechanical department. The topic of SDP was "Heat Transfer and Fluid Flow Analysis using ANSYS Fluent". The SDP was planned on 22/06/2020 for students of SIESGST Mechanical Engineering. Total number of participants registered for the SDP were 29 and total 18 participants attended the session. The SDP duration is for Two Weeks and its hands-on training given on ANSYS Fluent Software. With Industry based live case studies were taught during this session by Faculty Members.

The objective of this course is to teach ANSYS basics in the following areas: ⌐ ANSYS capabilities, terminology, and ANSYS Interactive (GUI). ⌐ How to build Finite Element Models in ANSYS. ⌐ Basic steps of performing a complete ANSYS analysis. ⌐ Meshing Techniques ⌐ Results Post processing and Validation

1. **Photographs (in JPEG/PNG)**

2. Attendance report

All the 18 Students were present for the SDP out of 29 Registered students, since this SDP is on ANSYS Software which required high end Computer to run the simulation.

SDP- Heat Transfer and Fluid Flow simulation usi...   Stream   Classwork   People   Grades

☐	🟢	AISHWARYA KURALE	⋮
☐	👤	Ameya Pisal	⋮
☐	👤	anandakrishna pillai	⋮
☐	👤	ATUL AGNIHOTRI	⋮
☐	👤	banasher SIES GST	⋮
☐	👤	bondanthilakarthik SIES GST	⋮
☐	👤	charit geddam	⋮
☐	👤	harsh sushil	⋮
☐	👤	jachi atharva	⋮
☐	👤	KARAN BHOJWANI	⋮
☐	👤	mahajon pratik	⋮

3. Feedback Report (Scanned copy)

1. Give a brief description of your internship work (title and tasks for which you were responsible):

The internship started by clearing the basic concepts of Heat Transfer and Fluid Flow Analysis such as Finite Element Analysis. We got acquaited with the Ansys Software with Fluent Solvent. Then we were taught terminologies like Discretization, Reynold's number, Nusselt's number and meshing and it's importance while simultaneously performing it on the Ansys-Fluent solver. We would then solve daily assignments given by the professors. We plotted Velocity and Temperature profiles for Laminar as well as Turbulent Fluid Flow through 2D and 3D pipe. We gave different meshing parameters for checking and obtaining better accuracy. We ran simulations for the required conditions. We validated our results with the expected values and found out the margin of error.

2. Was your internship experience related to your major area of study?

a. Yes, to a large degree.

This experience has:	Strongly Agree	No opinion	Disagree	Srongly Disagree
Given me the opportunity to explore a career field	Yes, I strongly agree			
Allowed me to apply classroom theory to practice	Yes, I strongly agree			
Helped me develop my decision-making and problem-solving skills	Yes, I strongly agree			

4. Impact Analysis:

Total Participation: 18

Total Assignments: 6

No. of Students solved All the Assignments: 18

Level of Assignments asked in Sessions: Advanced

For reference Report File is attached.

https://classroom.google.com/u/0/g/tg/MTE0MTkyMzA4Mzky/MTE1NjM2MjUyMjYz#u=MTQ4ODc0OTc5NjJa&t=f

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SIES Graduate School of Technology

Department of Humanities & Applied Sciences

Organizes Student Development Program

On

Enhancing Professional Communication

June 29, 2020 to July 11, 2020   10:00 am to 1:00 pm

Who will be benefited?
- Students who want to improve their communication by knowing the techniques of professional communication.
- Students who want to learn about nuances of professional communication so that they can use it in their professional life.

Prerequisite
- Nothing specific. Basic understanding of communication and English language.

Objectives:
 1.To familiarize students with the basic Professional Communication.
 2.To inculcate requisite Interpersonal skills for better employability.

Outcomes:
By the end of the course, the learner can:

1. Listen as well as read and comprehend wide ranging vocabularyand evaluate the given information effectively.
2. Display appropriate skills required for professional communication and apply appropriate interpersonal skills in any professional situation.

Contact for Registration:
- Prof.Seema Khan (9969187466)
  Training_incharge@siesgst.ac.in
- Dr. Geetanjali Mishra(9819789788)
  geetanjali.mishra@siesgst.ac.in
- Dr.RamkishanBhise (9960569238)
  ramkishan.bhise@siesgst.ac.in

Note:
- SDP is free for all the students
- SDP is for First Year and Second Year Students of ALL branches.

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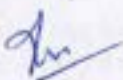Sri Chandrasekarendra Saraswathy Vidyapuram
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Day wise Schedule of SDP

Day	Activity
Day 1 June 29, 2020	Basic Communication Skills- Importance of LSRW Vocabulary & Grammar Exercises Verbal Aptitude
Day 2 June 30, 2020	Importance of Listening IELTS/ToEFL Listening Practice Listen to a speech by a Famous personality
Day 3 July 01, 2020	Effective Speaking Skills - Importance of Non- verbal Communication Public Speaking Practice Feedback/Review of speech from other participants
Day 4 July 02, 2020	Reading to Understand Practice- Reading Comprehension Advanced reading Practice- IELTS/ToEFL
Day 5 July 03, 2020	Writing to Express Write about yourself and your views on any topic of your choice Graphic representation of the text.
Day 6 July 06, 2020	Introduction to Interpersonal Skills Case Study - Good/bad Interpersonal Skills. Study and prepare a report on effective Interpersonal Communication in the Organizations
Day 7 July 07, 2020	Effective Presentation Skills - Manner and Matter Prepare a brief presentation on a Topic of your choice Find out and prepare a report on best Technical/Business Presentations
Day 8 July 08, 2020	Team work for effective presentation Form a Team (2-3 members) and decide a topic for presentation Case Study- Role of Interpersonal skills in Team Presentation
Day 9 July 09, 2020	Team Work and Decision Making Team Activity for better coordination and Decision Making Case Study - Team Work and Decision Making
Day 10 July 11, 2020	Team Presentation by the students Discussion and review of all presentations

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Department of Humanities & Applied Sciences
Event Report

Enhancing Professional Communication
(June 29,2020 to July 11,2020)

Event Information
Event Type: Student Development Program (SDP)
Event title: Enhancing Professional Communication
Resource Person: **Prof. Seema Khan, Dr. Geetanjali Mishra & Dr. Ramkishan Bhise, Prof Sandesha Rayapa – JNU** **Prof Shuchi Rastogi - Galgotias University**
Event date: From: June 29, 2020   To: July 11, 2020
Organized for: Students
Organized by: Department of Humanities & Applied Sciences
Target audience (branch & nos.): First Year & Second Year Engineering students of all branches
Attachments: 1. Photographs (in JPEG/PNG) **2. Attendance report** **3. Feedback**

Event Description

15 of 30 registered students from FE and SE attended all sessions, regularly for two weeks. Students were given daily assignments, after each session, to help them practise and apply the concepts, through case study/activities. Additionally, Google Quiz and Team Presentations were conducted, in the end, to gauge the students' understanding and learning of the nuances of Professional Communication. Day wise topic and activity is mentioned as under:

Day1: Basic Communication Skills- Importance of LSRW – The first day started with introduction of the concept of Basic communication Skills and importance of LSRW in enhancing communication skills. The emphasis was to make the students understand the LSRW are equally important and in order to enhance communication skills.

Day 2: Importance of Listening- The content for the second day was listening. Various activities related to listening were conducted and then it was explained the importance of listening in enhancing communication.

Day 3: Effective Speaking Skills - Importance of Non- verbal Communication- Non –verbal communication is integral part of communication skills, and the same was explained to the students with the help of some free source YouTube videos and conducting activities along with explanation of the meaning of non-verbal communication in speaking skills.

Day 4: Reading to Understand- This session explained different reading strategies and techniques to improve reading skills. The students were given activities related to reading and comprehension.

Day 5: Writing to Express- Different nuances of writing e.g. technical writing , formal writing and informal writing were explained and tips for writing effectively were explained. The students were also given some writing exercises.

Day 6: Introduction to Interpersonal Skills- This session was conducted by Prof. Shuchi Rastogi from Galgotias University. She introduced the concept of interpersonal skills and its importance to the students . Since all the students in the SDP were form FE and SE so basic introduction to interpersonal skill was given.

Day 7: Effective Presentation Skills - Manner and Matter- What is meant by effective presentation and Do's and don'ts of presentation were discussed in this session.

Day 8: Team work for effective presentation- This session was conducted by Prof. Sandesha Rayapa from JNU. She explained the team behavior , role of team synergy in giving effective presentation.

Day 9: Team Work and Decision Making- Taking decision on any matter is not so simple. It needs analytical skills. All these things were discussed and explained to the students and the concept of decision making was made more clear by giving the students an activity of rescue mission.

Day 10: Team Presentation- The last day of the SDP was dedicated for team presentation. Two teams were formed comprising of FE students in one team and SE students in the other team. Theme was given to the students and they had to select the topic from the given theme and prepare a PPT and give presentation . After the presentation feedback was given to the students.

Photographs:
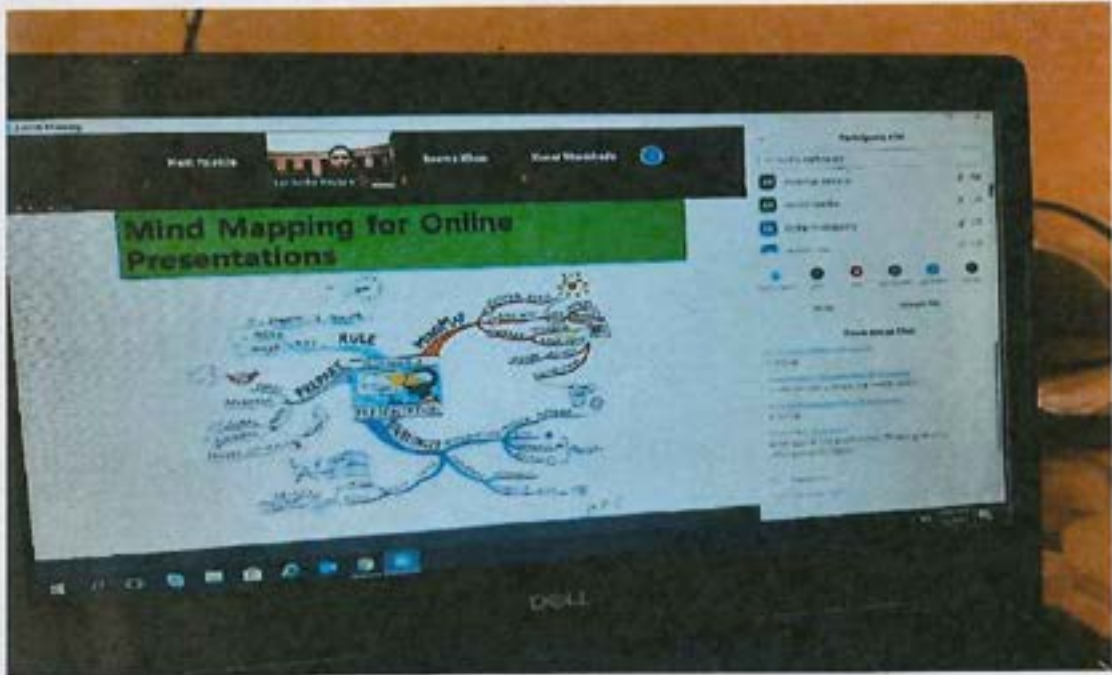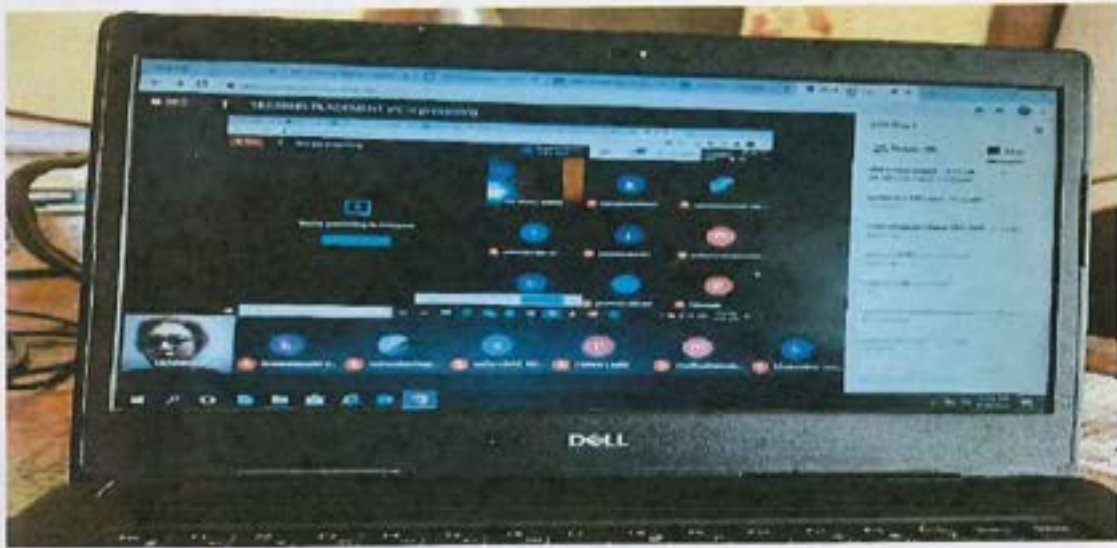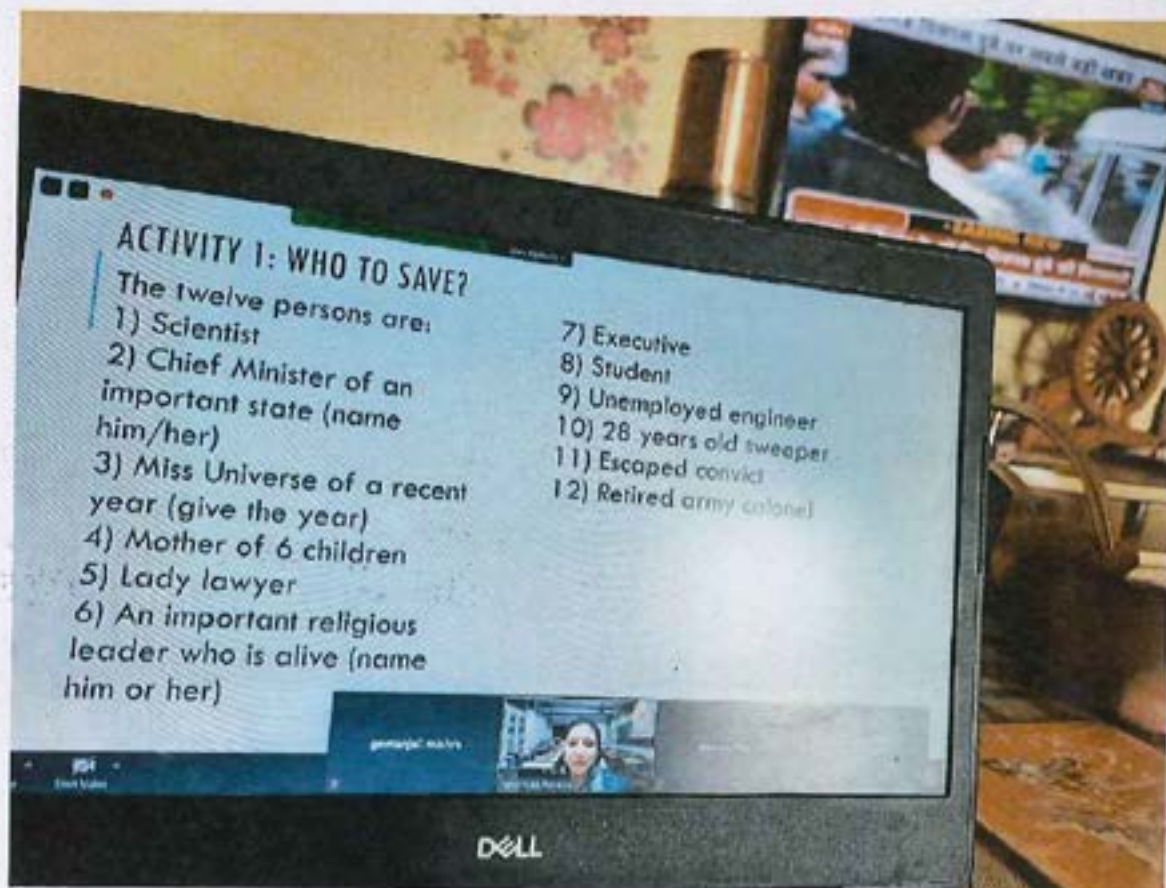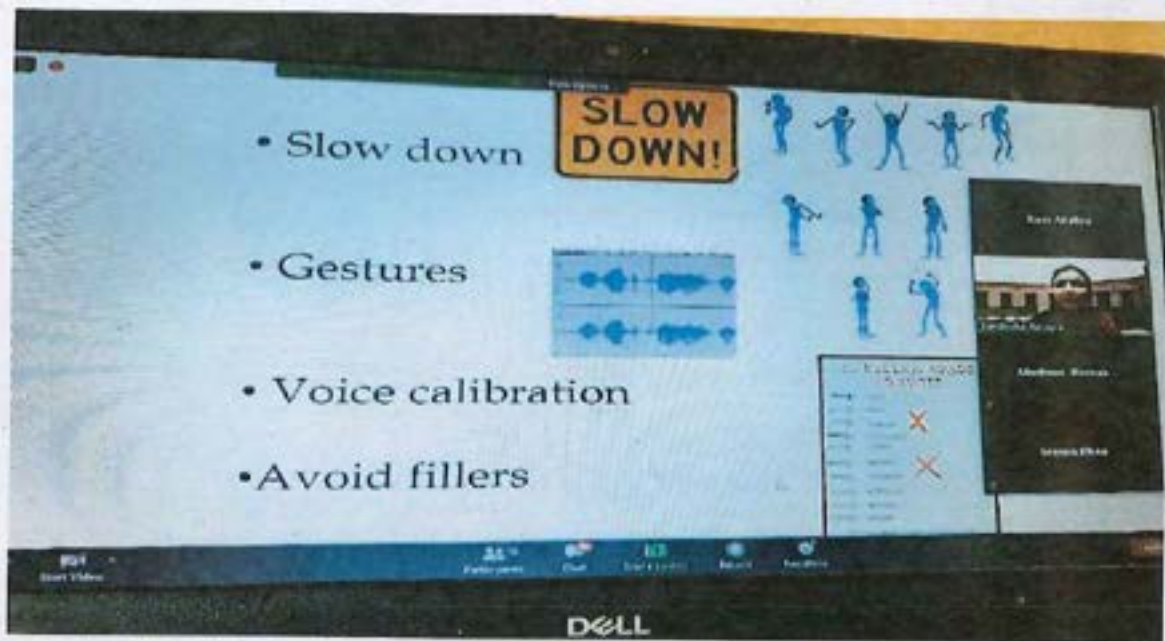
Attendance Report:

Consolidated Attendance

Sr. No	Name	Branch	Year	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
1	Anupriya S.	IT	FE	P	P	P	P	P	P	P	P	P	P
2	Bhamre Sudarshan	PPT	FE	P	P	P	P	P	P	P	P	P	P
3	Kunal Wankhede	PPT	FE	P	P	P	P	P	P	P	P	P	P
4	Poonam Vishwakarma	PPT	FE	P	P	P	P	P	P	P	P	P	P
5	Iyer Haritha	PPT	FE	P	P	P	P	P	P	P	P	P	P
6	Iyer Samridhi	PPT	FE	P	P	P	P	P	P	P	P	P	P
7	Yash Jain	EXTC	FE	P	P	P	P	P	P	P	P	P	P
8	Madhuri R.	IT	FE	P	P	P	P	P	P	P	P	P	P
9	Kombe Ayushi	CE	FE	P	P	P	P	P	P	P	P	P	P
10	Nishit Salian	ME	FE	P	P	P	P	P	P	P	P	P	P
11	Pallavi Lodhi	EXTC	SE	P	P	P	P	P	P	P	P	P	P
12	Vedant B	PPT	SE	P	P	P	P	P	P	P	P	P	P
13	Disha C	PPT	SE	P	P	P	P	P	P	P	P	P	P
14	Ansi Nadar	PPT	SE	P	P	P	P	P	P	P	P	P	P
15	Iyer Kavya	PPT	SE	P	P	P	P	P	P	P	P	P	P

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Feedback of SDP- EPC from 29 June to 11 July 2020

Please provide the feedback on a scale of 1 to 5, where 1 being lowest and 5 being the highest.
Parameters of Assessment are

1.Relevance of the Seminar

2.Content Delivery

3.Effectiveness

4.Satisfaction in General

Your email address (**geetanjali.mishra@siesgst.ac.in**) will be recorded when you submit this form. Not you? Switch account

* Required
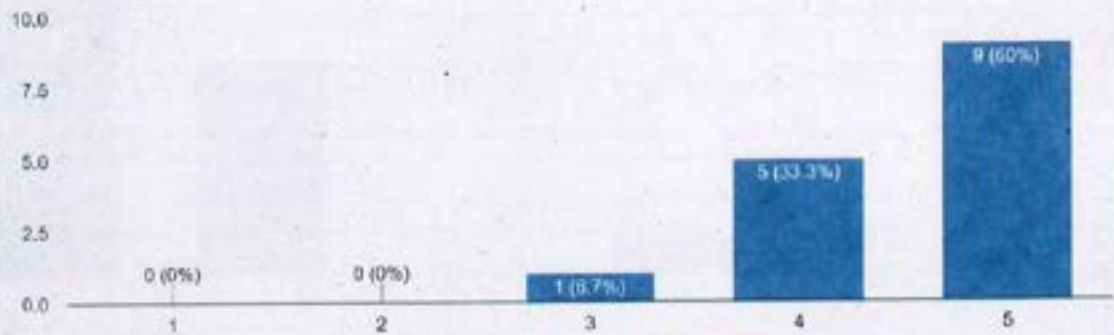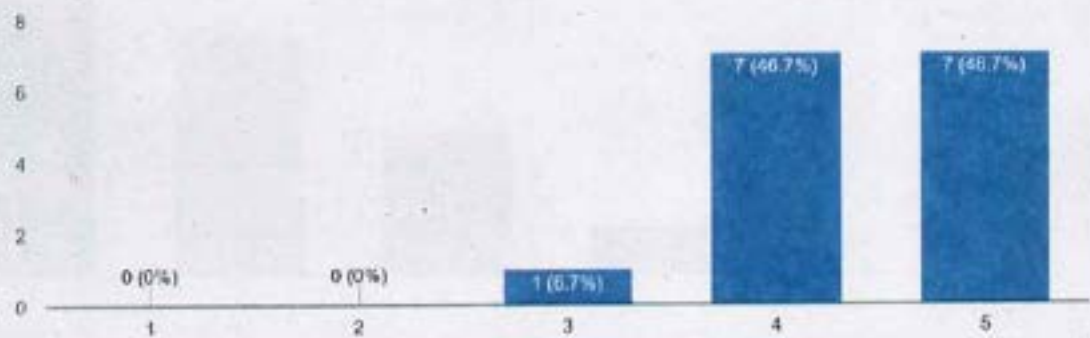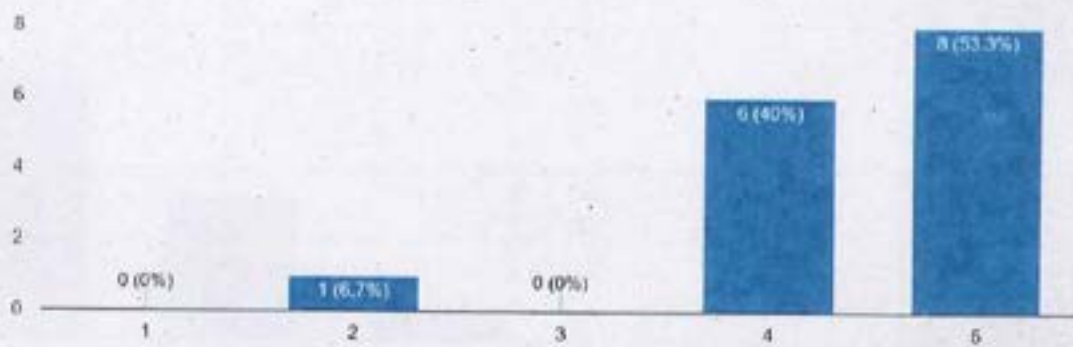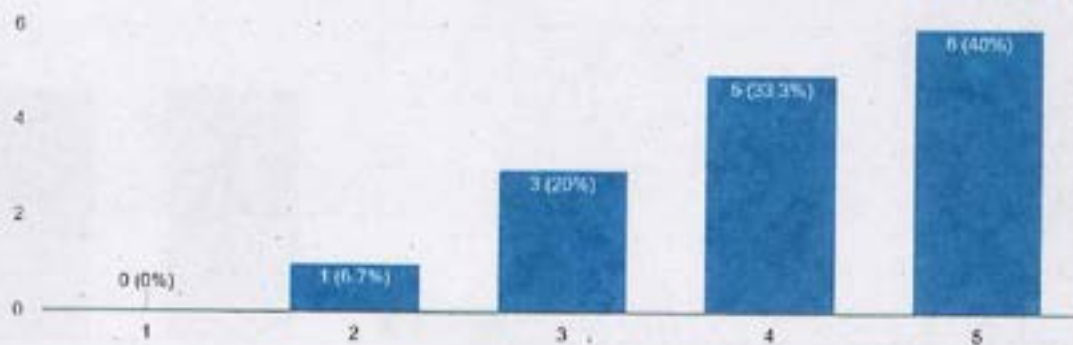
Day 1: Basic Communication Skills- Importance of LSRW
15 responses
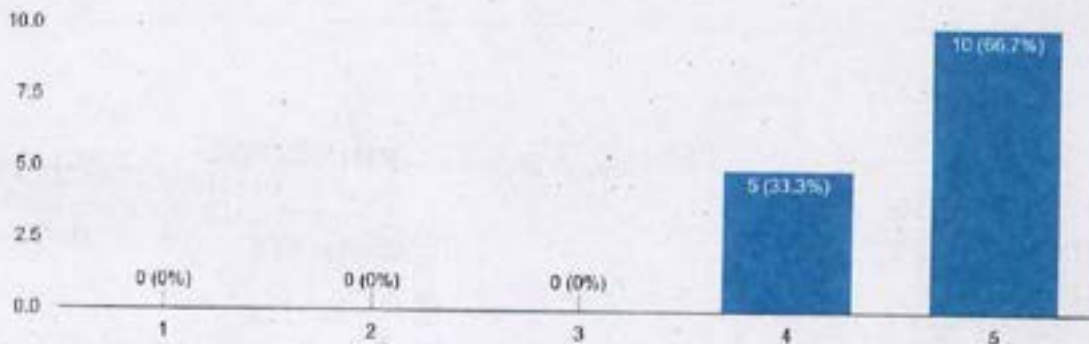
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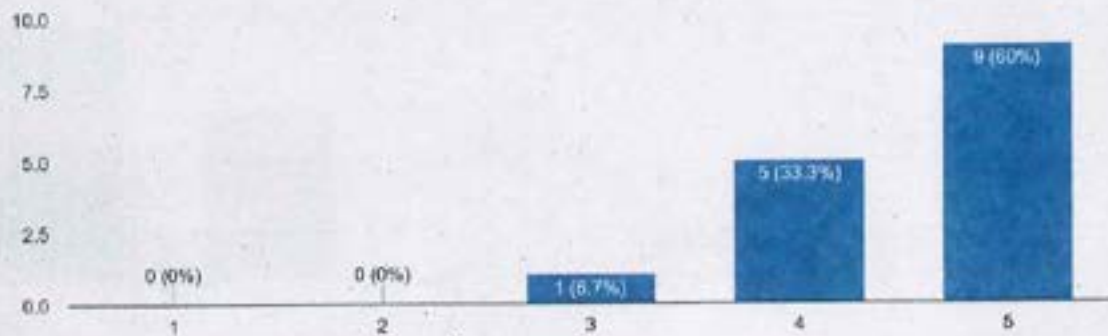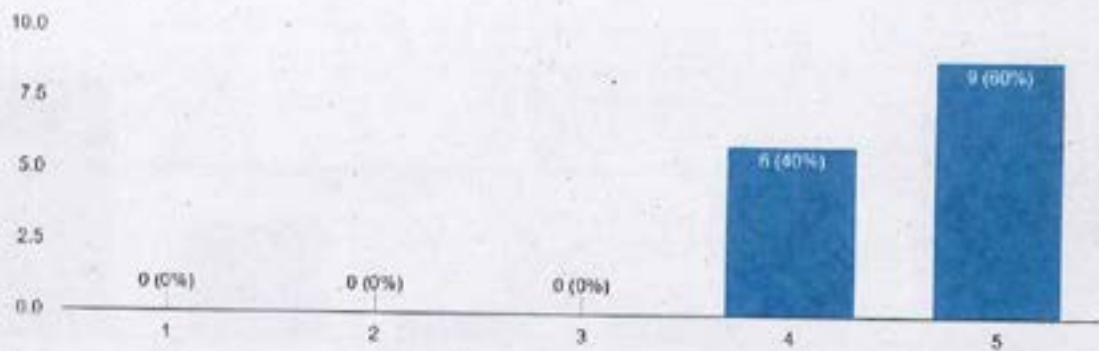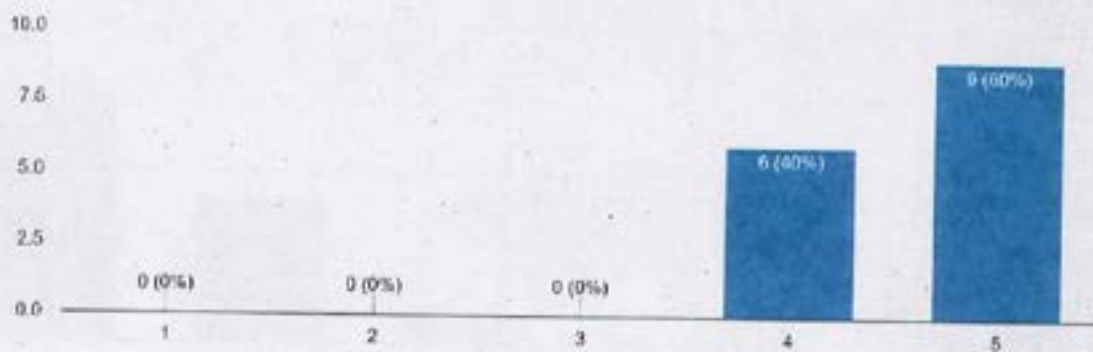Sri Chandrasekarendra Saraswathy Vidyapuram
Sector-V, Nerul, Navi Mumbai-400706

Day 2: Importance of Listening

15 responses

Day 3: Effective Speaking Skills - Importance of Non- verbal Communication

15 responses

Day 4: Reading to Understand
15 responses

Day 5: Writing to Express
15 responses

Day 6: Introduction to Interpersonal Skills
15 responses

Day 7: Effective Presentation Skills - Manner and Matter
15 responses

Day 8: Team work for effective presentation
15 responses

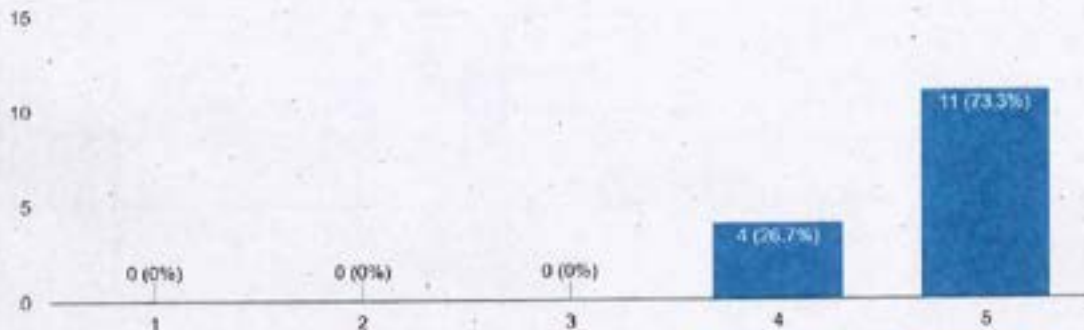## Day 9: Team Work and Decision Making
15 responses

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Day 10: Team Presentation
15 responses

Impact Analysis:

Students learnt about the aspects of professional communication and were introduced with the concept of interpersonal skills with special emphasis on team work. They understood the importance of communication and team work and practically practiced it in their team presentation. This session helped the students to realize the importance of communication in professional setup.