

SIES Graduate School of Technology

Department of Electronics and Telecommunication

Presents

Training on

Introduction to Arduino, IoT and Interfacing using Simulator software

Duration 15 June 2020 To 26 June 2020

Skill Development Cell under the Department of Electronics and telecommunication, SIESGST organizing workshop to provide training by simulation combining theoretical and practical knowledge using simulator on Arduino board and IoT. This will provide simulation of Arduino board with different sensors, actuators and displays devices to fulfill the gap between academic and industry. Candidates will have the opportunity to gain practical knowledge using simulation. This course will help the candidates to improve the technical skills and give them a better understanding of an Arduino board and Internet of Things.

Objectives

- i) To gain knowledge of an Arduino board..
- ii) To know the importance of different peripheral devices and their interfacing to microcontrollers
- iii) To know the sensor interfacing and its programming.
- iv) To know the working of different sensors and their interfacing with Arduino board.
- v) To understand the basic concept of IoT and its implementation

Course Contents

Module 1: Introduction to microprocessor and microcontroller, microcontroller interfacing, introduction to Arduino uno, IDE

Module 2: Configuration of GPIO pins of Arduino as an input or output for interfacing of different devices. Introduction to simulator and interfacing of sensor with Arduino board

Module 3: Introduction to potentiometer, LDR sensors and its interfacing with Arduino. Implementation of program using simulator

Module 4: Introduction to ultrasonic sensor and PIR sensor and its interfacing with Arduino board. Implementation of program using simulator

Module 5: Introduction to IoT, and Designing of IOT applications using simulator.

Who Should Attend

Any student from FE, SE (EXTC/IT/CE/MECH/PPT)

Registration Fees

Course Fees: Free

Contact for Registration

Register here -<https://docs.google.com/forms/d/19LxlyCcBYHBbtP3yn8PRosMEgshpLXX-anfWqc4rj-0>

Prof. Vaishali Mangrulkar, Prof. Vishal Gaikwad, Prof. Pratibha Joshi

Mobile: 9930116119

Mail Id: vaishali.mangrulkar@siesgst.ac.in

Day wise schedule of workshop

Day	Activity
Day 1 15/6/2020	Introduction to Arduino Uno, Introduction to IDE
	Introduction to Tinkercad simulator and its demonstration
Day 2 16/6/2020	GPIO Pins of Arduino, Configuration of GPIO pins of Arduino as an input or output for interfacing of different devices, Configure GPIO to blink LED
	Simulation of program of LED Blink Screen reader support enabled.
Day 3 17/6/2020	Introduction to Arduino programming and basic commands
	Program for traffic light and its simulation
Day 4 18/6/2020	Ultrasonic sensor and PIR sensor
	Interfacing of ultrasonic sensor and simulation of program using ultrasonic sensor
Day 5 19/6/2020	Piezo sensor and Temperature sensor
	Interfacing of Temperature sensor and simulation of program using temperature sensor
Day 6 22/6/2020	Ambient light sensor, IR sensor
	Interfacing of IR sensor and simulation of program using IR sensor
Day 7 23/6/2020	Input and output components of Tinkercad
	Program to build application using sensors ,input and output components
Day 8 24/6/2020	Introduction to packet tracer
	Implementation of small projects like basic switch set up. connection between different devices etc
Day 9 25/6/2020	Theory and Topology of wired and wireless Router using packet tracer
	Implementation of smart home using Cisco packet Tracer
Day 10 26/6/2020	Project: on simulation of fire sprinkler using smoke detection
	project: on simulation of Automate a web camera using motion sensor using wired and wireless connection

Department of Electronics and Telecommunication Engineering
Event Report

**Internship on Introduction to Arduino, IoT and Interfacing using
Simulator software**

(15th – 26th of June 2020)

Event Information
Event Type: Internship Program .
Event title: Internship on Introduction to Arduino, IoT and Interfacing using Simulator software
Resource Person: Prof. Vaishali Mangrulkar, Prof. Pratibha Joshi, Prof. Vishal Gaikwad
Event date: 15 th – 26 th of June 2020
Organized for: <input checked="" type="checkbox"/> Student <input type="checkbox"/> Faculty
Organized by Department of Electronics and Telecommunication
Target audience (branch & nos.): FE and SE(All Branches) 40 Students
Attachments: 1. Photographs (in JPEG/PNG) 2. Attendance report 3. Feedback

Event Description

Day_1 (15th June 2020):

- Introduction to Arduino Uno, Introduction to IDE
- Introduction to Tinkercad Simulator and its demonstration.

Day_2 (16th June 2020):

- GPIO Pins of Arduino, Configuration of GPIO pins of Arduino as an input or output for interfacing of different devices, Configure GPIO to blink LED.
- Simulation of program of LED Blink.

Day_3 (17th June 2020):

- Introduction to Arduino programming and basic commands
- Program for traffic light and its simulation.

Day_4 (18th June 2020):

- Ultrasonic sensor and PIR sensor and its interfacing
- Interfacing of ultrasonic sensor and simulation of program using ultrasonic sensor.

Day_5 (19th June 2020):

- Piezo sensor and Temperature sensor
- Interfacing of Temperature sensor and simulation of program using temperature sensor

Day_6 (22nd June 2020):

- Ambient light sensor, IR sensor
- Interfacing of IR sensor and simulation of program using IR sensor

Day_7 (23rd June 2020):

- Input and output components of Tinkercad
- Program to build application using sensors, input and output components
- Interfacing of ESP8266 .
- Program to build IoT application using Arduino board.

Day_8 (24th June 2020):

- introduction to packet tracer
- Implementation of small projects like basic switch set up, connection between different devices etc

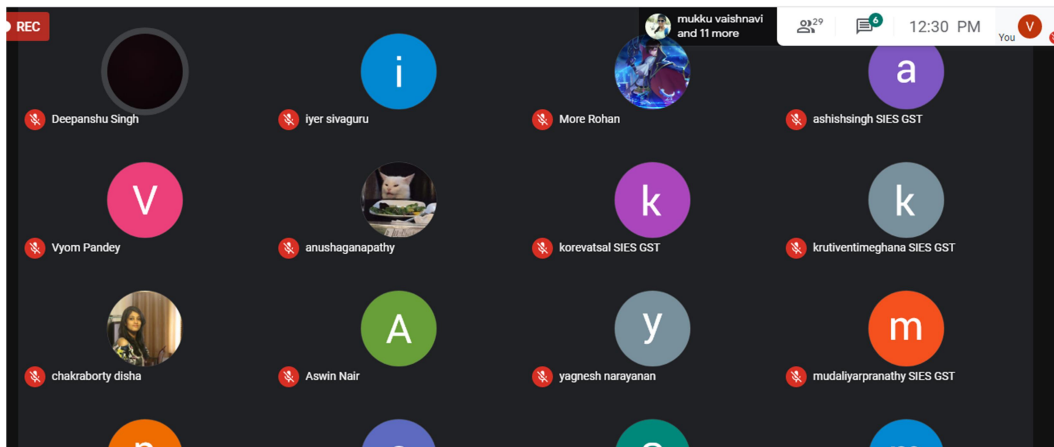
Day_9 (25th June 2020):

- Theory and Topology of wired and wireless Router using packet tracer
- Implementation of smart home using Cisco packet Tracer

Day_10 (26th June 2020):

- Simulation of fire sprinkler using smoke detector
- Simulation of IoT application using packet tracer.

1. Photographs (in JPEG/PNG)



REC Joshi Pratibha is presenting

workshop

People (31) Chat

Add people

- VAISHALI MANGRULKAR (You)
- Aaryan kumbhar
- Anurag SIES GST
- ashishsingh SIES GST
- Aswin Nair
- bhanushalinavin SIES GST
- chakraborty disha
- Deepanshu Singh
- guchaitpooja SIES GST

workshop ^

Turn on captions Joshi Pratibha is presenting

Arduino-SDP-22-6-2020.mp4

Mighty Vilhelmo Gaarts

Simulator timer: 00:02:11

Code Stop Simulation Export Share

Components Basic

Search

Resistor LED Potentiometer Potentiometer

Lightbulb Speaker

1023

1:00:01 / 2:21:23

VAISHALI MANGRULKAR

2. Attendance report

SDP On Introduction to Arduino, IoT and Interfacing using Simulator software

Attendance sheet

Sr.No	Roll No.	Name	Branch	Year	15-06-2020	16-06-2020	17-06-2020	18-06-2020	19-06-2020	22-06-2020	23-06-2020	24-06-2020	25-06-2020	26-06-2020
1	13	Deep Bhanushali	EXTC	FE	P	P	P	P	P	P	P	P	P	P
2	35	Kunal Vikas patkar	EXTC	FE	P	P	P	P	P	P	P	p	p	p
3	39	Manas mendon	Extc	FE	A	P	P	P	P	P	P	p	p	p
4	14	Deepanshu Singh	EXTC	FE	P	P	P	P	P	P	P	p	P	P
5	47	Drishya Nair	EXTC	FE	P	P	A	A	A	A	A	A	A	A
6	2009	Ashish Singh	EXTC	FE	A	P	P	P	P	P	P	P	P	P
7	1192002	aaryan kumbhar	EXTC	FE	P	P	P	P	P	P	P	p	P	P
8	23	Pooja Guchait	Extc	FE	P	P	P	P	P	P	P	P	P	P
9	58	Priyanshu Choudhary	EXTC	FE	P	P	P	P	P	P	P	P	P	P
10	29	Kavya Chandrasekaran	EXTC	FE	P	P	P	P	P	P	P	P	P	P
11	2043	PRANATHY MUDALIYAR	EXTC	FE	P	P	P	P	P	P	A	A	A	A
12	46	Aswin Nair	EXTC	FE	P	P	P	P	P	P	P	P	P	P
13	68	Sakshi Gawali	EXTC	FE	P	P	P	A	A	P	P	P	P	p
14	31	Kirtikumar	EXTC	FE	P	P	A	P	P	A	A	P	p	p
15	7	Anusha Ganapathy	EXTC	FE	P	P	P	P	P	P	P	A	A	A
16	2095	Vishal Umesh Naregal	EXTC	FE	P	A	A	A	A	A	A	A	A	A
17	52	Vyom Pandey	EXTC	FE	P	P	P	P	P	P	P	p	p	p
18	33	Krutiventi Meghana	EXTC A	FE	P	P	P	P	P	P	P	p	p	p
19	40	Marla Vignesh Prathish	EXTC	FE	P	P	P	P	P	P	P	p	p	p
20	48	Anurag Nala	EXTC - A	FE	P	P	P	P	P	P	P	p	p	p
21	92	Vatsal kore	EXTC	FE	P	P	P	P	A	P	A	P	P	P
22	28	Saumya kamath	IT	FE	P	A	A	A	A	A	P	A	A	A
23	24	Jai Janani Radhakrishnan	IT	FE	A	A	A	A	A	A	A	A	A	A
24	41	Yash Sanjay Shinde	MECH	FE	P	P	P	P	P	p	P	A	A	A
25	1196056	Sarvesh Vichare	MECH	FE	P	P	P	P	A	P	P	p	p	p
26	1182067	Mukku Vaishnavi	EXTC	SE	P	P	P	P	P	P	A	p	p	p
27	93	Satish Kumar sivaraman	EXTC	SE	P	P	P	P	P	P	P	p	p	p
28	65	Rohan More	EXTC	SE	P	P	P	P	P	P	P	P	P	P
29	1182035	Prateek Hanchinal	EXTC	SE	P	A	A	A	A	A	A	A	A	A
30	85	Niranjan Rajee	EXTC	SE	P	P	P	P	P	P	P	p	p	p
31	2192137	Shradha shirke	Extc	SE	P	P	P	P	P	P	P	p	p	p
32	92	Saronlily thangaraj	EXTC	SE	P	P	P	P	P	P	P	p	p	p
33	66	Simran Mukadam	EXTC-B	SE	P	A	A	A	P	P	P	P	p	p
34	52	Nadar Vijay	CE	SE	P	P	P	P	A	P	P	A	p	p
35	95	Yagnesh Narayanan	CE	SE	P	P	P	P	P	P	P	P	p	p
36	27	Pratik Mahajan	MECH	SE	P	A	A	A	A	A	A	A	A	A
37	14	Sivaguru Iyer	MECH	SE	P	P	P	P	P	P	P	p	p	p
38	6052	Nachiket A. Shembekar	MECH	SE	P	P	P	P	P	P	P	p	p	p
39	1186039	Yash Patil	MECH	SE	P	P	P	A	P	A	v	p	A	A
40	4004	Disha Chakraborty	PPT	SE	P	A	A	A	P	P	P	p	p	p

3. Feedback (Analysis)

Feedback _internship of Two Weeks on "Introduction to Arduino, IoT and Interfacing using Simulator software "

31 responses

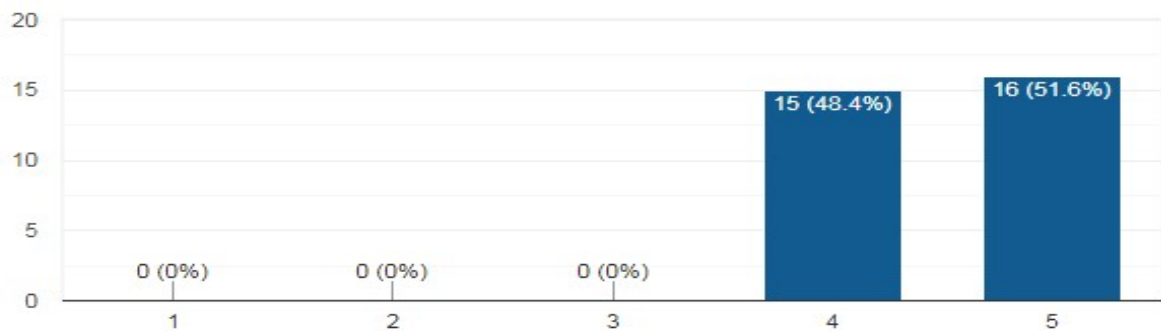
How satisfied were you with the SDP?

31 responses



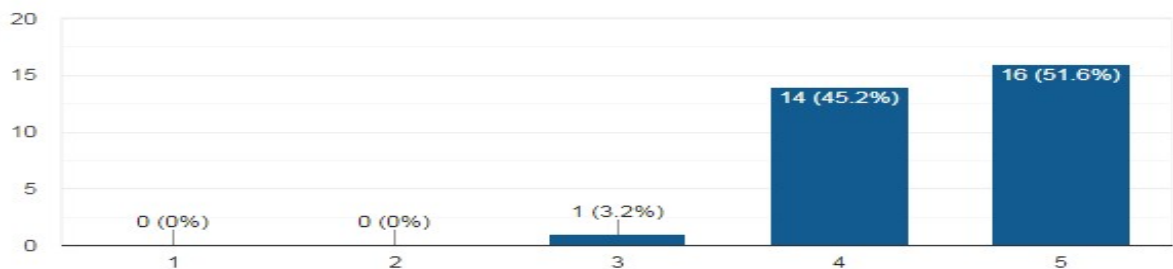
How relevant do you think it was for your future?

31 responses



Effectiveness of the SDP

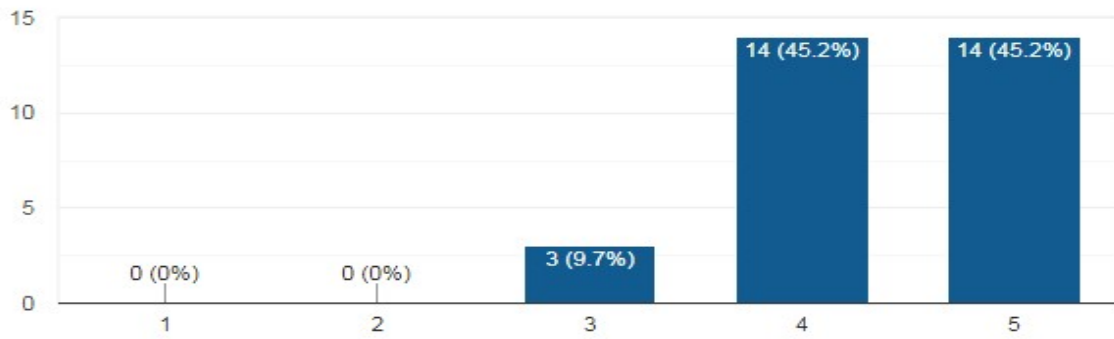
31 responses



Content delivery by speakers



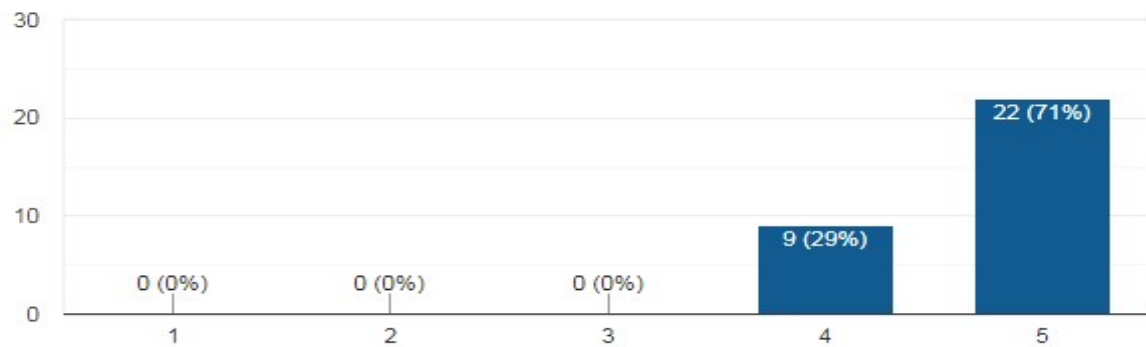
31 responses



Are you gained the knowledge of an Arduino board.

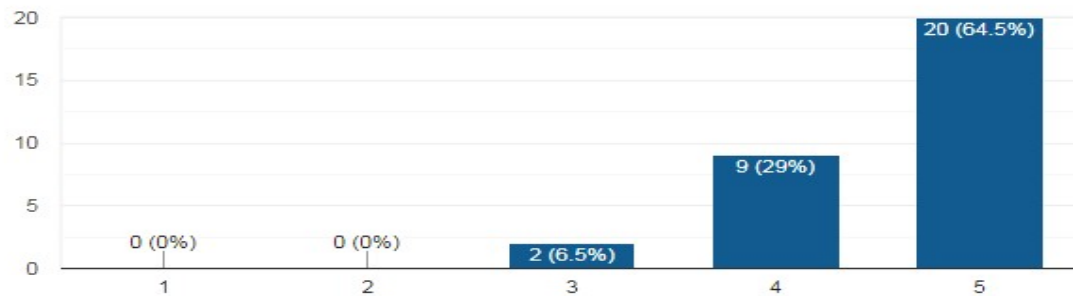


31 responses



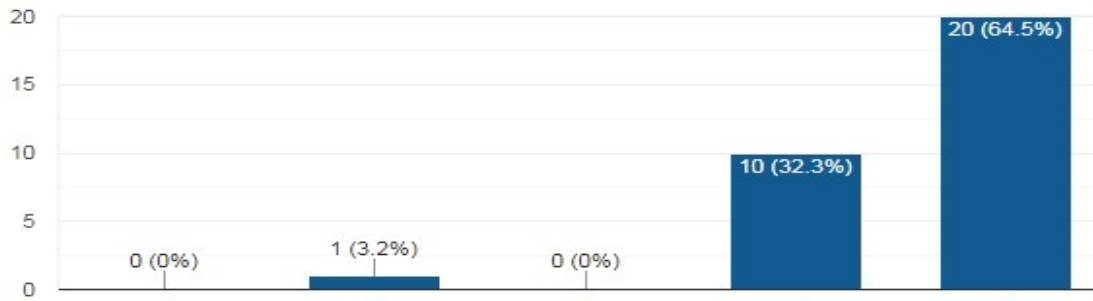
Are you able to explain importance of different peripheral devices and their interfacing to micro controller.

31 responses



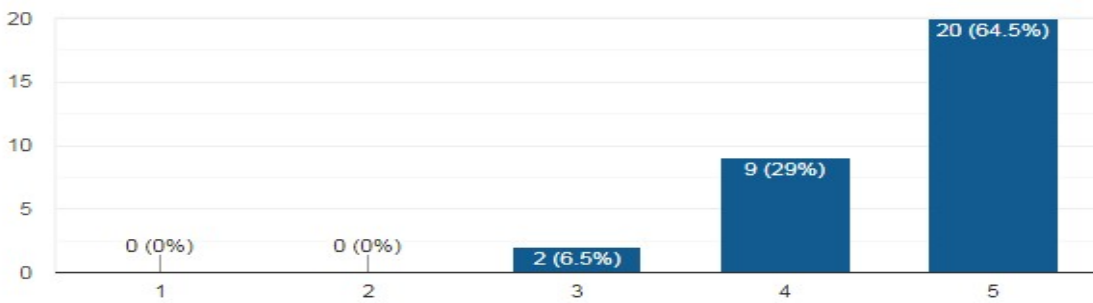
Are you able to explain working of different sensors and their interfacing with Arduino board

31 responses



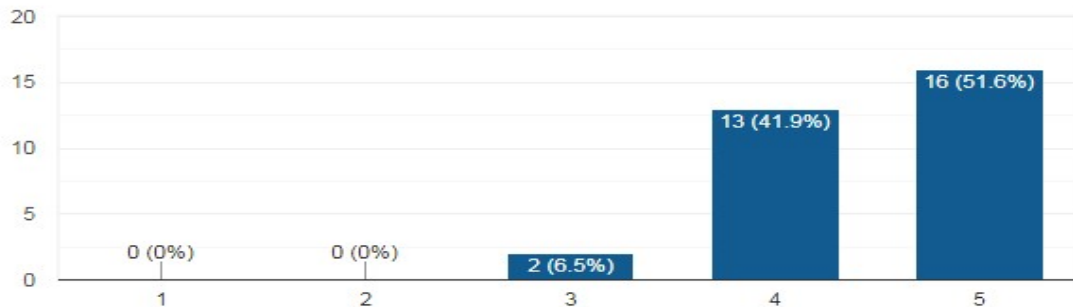
Are you able to interface sensor and do programming

31 responses



Are you able to explain the basic concept of IoT and its implementation

31 responses



Impact Analysis:

Students did mini projects using various sensors available in Tinkercad simulator and simulated and presented successfully.

-

Responses:

Timestamp	Name of student	Roll No.	Division	Discipline	Year	Email ID	Mobile No.
2020/06/11 8:48:25 PM GMT+5:30	Nadar Vijay	52	C	CE	SE	nadar.vijay18@siesgst.ac.in	8291257 715
2020/06/11 8:57:50 PM GMT+5:30	Mukku Vaishnavi	67	B	EXTC	SE	mukku.vaishnavi18@siesgst.ac.in	7738218 012
2020/06/11 9:02:59 PM GMT+5:30	Disha Chakraborty	4004	F	PPT	SE	chakraborty.disha18@siesgst.ac.in	8806639 987
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2020/06/11 9:10:21 PM GMT+5:30	Disha Chakraborty	11840 04	F	PPT	SE	chakraborty.dish18@siesgst.ac.in	8806639 987
2020/06/11 9:19:59 PM GMT+5:30	aaryan kumbhar	11920 02	A	EXTC	FE	kumbharaaryan19@siesgst.ac.in	9136348 889
2020/06/11 9:46:22 PM GMT+5:30	Niranjan Raje	89	SE-B	EXTC	SE	raje.niranjan18@siesgst.ac.in	9167684 052
2020/06/11 9:50:34 PM GMT+5:30	Akanksh D Rao	89	B	EXTC	SE	rao.akanksh18@siesgst.ac.in	9136183 699
2020/06/11 10:15:41 PM GMT+5:30	Sai Sri Sravya Sistla	2066	B	EXTC	FE	sistlasaisravya19@siesgst.ac.in	9987576 916
2020/06/11 10:18:22 PM GMT+5:30	Joshi Gaurang	16	F	MECH	FE	joshigaurang19@siesgst.ac.in	9167714 114
2020/06/11 10:28:57 PM GMT+5:30	Tanvi Pathare	55	D	CE	FE	tanvipathare19@siesgst.ac.in	9619721 147
2020/06/11 10:40:59 PM GMT+5:30	Sarvesh Vichare	11960 56	F	MECH	FE	vicharesarvesh19@siesgst.ac.in	8108803 333
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2020/06/11 10:51:59 PM GMT+5:30	Deep Bhanushali	13	A	EXTC	SE	bhanushalinavin19@siesgst.ac.in	9145459 182
2020/06/11	Manas Mendon	39	A	EXTC	FE	mendonmanas19@siesgst.ac	8450960

11:01:10 PM GMT+5:30						.in	219
2020/06/11 11:11:14 PM GMT+5:30	SRUTHI PANKAJAKSHAN	87	D	CE	FE	sruthipankajakshan19@siesgst.ac.in	9076250 998
2020/06/11 11:16:54 PM GMT+5:30	Pradyumn Joshi	27	A	EXTC	FE	pradyumnjoshi19@siesgst.ac.in	7767896 300
2020/06/11 11:20:02 PM GMT+5:30	Suchit Deshmukh	19	C	CE	FE	deshmukhsuchit19@siesgst.ac.in	9768887 071
2020/06/11 11:31:10 PM GMT+5:30	Aditya Ramakrishnan	4	C	CE	FE	adityaramakrishnan19@siesgst.ac.in	0
2020/06/11 11:42:17 PM GMT+5:30	Rohan Anil MOre	65	B	EXTC	SE	more.rohan18@siesgst.ac.in	9757126 434
2020/06/11 11:52:39 PM GMT+5:30	Anusha	7	A	EXTC	FE	anushaganapathy19@siesgst.ac.in	8419973 940
2020/06/11 11:54:28 PM GMT+5:30	Saumya kamath	28	E	IT	FE	kamathsaumya19@siesgst.ac.in	9372669 002
2020/06/11 11:58:36 PM GMT+5:30	Pranathy Mudaliyar	43	A	EXTC	FE	mudaliyarpranathy19@siesgst.ac.in	7715039 550
2020/06/12 12:25:05 AM GMT+5:30	Sivaguru Iyer	14	F	MECH	SE	iyer.sivaguru18@siesgst.ac.in	9004569 753
2020/06/12 12:33:55 AM GMT+5:30	Sakshi Shetty	11820 97	B	EXTC	SE	sakshi.shankar18@siesgst.ac.in	9987516 300
2020/06/12 12:40:07 AM GMT+5:30	Vyom Pandey	52	A	EXTC	FE	pandeyvyom19@siesgst.ac.in	7021211 178
2020/06/12 1:18:55 AM GMT+5:30	Jai Janani Radhakrishnan	24	E	IT	FE	jaijananiradhakrishnan19@siesgst.ac.in	8433547 387
2020/06/12 9:33:18 AM GMT+5:30	Aswin Nair	46	A	EXTC	FE	nairaswin19@siesgst.ac.in	9619940 047
2020/06/12 10:06:05 AM GMT+5:30	Anurag Nala	48	A	EXTC	FE	nalaanurag19@siesgst.ac.in	9503322 134
2020/06/12 10:21:21 AM GMT+5:30	Sakshi Gawali	68	B	EXTC	FE	gawalisakshi19@siesgst.ac.in	9320477 988
2020/06/12 11:22:43 AM GMT+5:30	Vishal Umesh Naregal	95	B	EXTC	FE	naregalvishal19@siesgst.ac.in	8652259 158
2020/06/12 11:34:21 AM GMT+5:30	Vatsal kore	92	B	EXTC	FE	korevatsal19@siesgst.ac.in	7977728 491
2020/06/12 12:09:17 PM GMT+5:30	Aishwarya Velumani	5	C	CE	FE	aishwaryavelumani19@siesgst.ac.in	8452009 200
2020/06/12 12:58:06 PM GMT+5:30	Dheeraj	29	A	EXTC	SE	gooty.dheeraj18@siesgst.ac.in	9167007 478
2020/06/12 1:36:09 PM	Megha Sutharson Nadar	50	D	CE	FE	Nadarmegha19@siesgst.ac.in	9372986 852

GMT+5:30							
2020/06/12 1:36:30 PM GMT+5:30	Sneha Shaji	83	D	CE	FE	snehashaji19@siesgst.ac.in	8850972 199
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2020/06/12 5:45:28 PM GMT+5:30	Ashish Singh	2009	A	EXTC	FE	ashishsingh19@siesgst.ac.in	8743961 630
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2020/06/12 7:10:45 PM GMT+5:30	prathamesh.sanjay18@siesgst.ac.in	11820 83	B	EXTC	SE	prathamesh.sanjay18@siesgst.ac.in	7506104 625
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2020/06/13 8:58:05 AM GMT+5:30	Vishal Umesh Naregal	95	B	EXTC	FE	naregalvishal19@siesgst.ac.in	8652259 158
2020/06/13 10:28:30 AM GMT+5:30	Priyanshu Choudhary	58	A	EXTC	FE	priyanshuchoudhary19@siesgst.ac.in	9.19136E +11
2020/06/13 10:48:32 AM GMT+5:30	Deepanshu Singh	14	A	EXTC	FE	deepanshusingh19@siesgst.ac.in	9323120 152
2020/06/13 10:51:35 AM GMT+5:30	Sadish Nadar	11720 65	B	EXTC	SE	sadish.nadar17@siesgst.ac.in	8286330 012
2020/06/13 12:21:01 PM GMT+5:30	Vignesh Marla	40	A	EXTC	FE	marlavignesh19@siesgst.ac.in	7700002 319
2020/06/13 2:55:29 PM GMT+5:30	satish.kumar18@siesgst.ac.in	93	B	EXTC	SE	satish.kumar18@siesgst.ac.in	7385776 488
2020/06/13 4:27:51 PM GMT+5:30	Saronlily Thangaraj	92	B	EXTC	SE	Saronlil.thangaraj18@siesgst.ac.in	9699632 974
2020/06/13 6:39:02 PM GMT+5:30	Shradha shirke	21921 37	B	EXTC	SE	Shirkeshradha219@siesgst.ac.in	9653432 573
2020/06/13 6:54:24 PM	Nitesh Sandargiri	91	B	EXTC	SE	nitesh.sanjeev18@siesgst.ac.in	9082763 266

GMT+5:30							
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2020/06/13 7:08:22 PM GMT+5:30	Manas mendon	39	A	EXTC	FE	mendonmanas19@siesgst.ac .in	8450960 219
2020/06/13 10:43:38 PM GMT+5:30	Ramesh Yadavar	60	E	IT	FE	yadavarramesh19@siesgst.ac .in	9967303 122
2020/06/13 10:58:10 PM GMT+5:30	Yash Patil	11860 39	H	MECH	SE	yash.jitendra18@gmail.com	9969485 665
2020/06/13 11:06:47 PM GMT+5:30	Pratik Mahajan	27	H	MECH	SE	mag l mahajan.pratik18@siesgst.ac .in	7045077 795
2020/06/13 11:13:15 PM GMT+5:30	Pooja Guchait	23	A	EXTC	FE	guchaitpooja19@siesgst.ac.i n	7666047 510
2020/06/13 11:33:34 PM GMT+5:30	Yagnesh Narayanan	95	D	CE	SE	yagnesh.narayanan18@siesg st.ac.in	9969137 508
2020/06/14 12:53:39 AM GMT+5:30	Nevin Chidambaram	6026	F	MECH	FE	Chidambaramnevin19@siesg st.ac.in	9769156 482
2020/06/14 10:23:02 AM GMT+5:30	Yash Patil	11860 39	H	MECH	SE	yash.jitendra18@siesgst.ac.i n	9969485 665
2020/06/14 10:43:10 AM GMT+5:30	Karuna Saravanan	47	A	EXTC	SE	karuna.saravanan18@siesgst .ac.in	9137205 047
2020/06/14 10:58:57 AM GMT+5:30	Smruti Anand Kotian	11820 52	A	EXTC	SE	kotian.smruti18@siesgst.ac.i n	9892248 310
2020/06/14 11:05:16 AM GMT+5:30	Kavitha Ashokkumar	11820 48	A	EXTC	SE	kavitha.ashok18@siesgst.ac.i n	8976776 880
2020/06/15 10:33:42 AM GMT+5:30	Nachiket Shembekar	6052	H	MECH	SE	shembekar.nachiket18@sies gst.ac.in	8879621 037

SIES Graduate School of Technology
Department of Electronics and Telecommunication

Presents
Internship on
Embedded Systems - ARM Mbed Platform and Node MCU

6th-20th December 2019, 9.30 AM to 4.00 PM

There is difference between education and knowledge. Education provides learning. While knowledge translates that learning into a career that earns a living. But the truth is, our education system is largely structured around academic learning, leaving the task of turning it into a career to the individual. For the less-privileged though, the only barrier that stands between them and a technocrat is knowledge of practical aspects of technology.

This course is meant to be a hands-on type course, giving students a chance to hear and read about embedded system topics, and then put those concepts to work by developing and debugging embedded system hardware and firmware

Objectives

- i) Learn about Embedded systems and ARM Mbed platform
- ii) Interfacing various devices like 7 segment display, LCD display.
- iii) Interfacing various sensors like accelerometer, LDR, temperature sensor etc.
- iv) Learn basics of Node MCU and its interfacing with sensors and IOT application designing.

Course Contents

Module 1: Introduction to microprocessor and microcontroller, Introduction to Embedded systems, Introduction to ARM Mbed platform.

Module 2: Simple programs like LED blinking, use of BusOut and PwmOut function.

Module 3: Basics of 7 segment display and LCD and their interfacing with freedom board.

Module 4: Basics of accelerometer, LDR, potentiometer and its interfacing with freedom board.

Module 5: Basics of Node MCU, its interfacing with various Sensor, Designing of IOT applications based on NodeMCU.

Faculties

Prof. Pushkar Sathe
Prof. Vaishali Mangrulkar

Day wise Schedule of Workshop

Day	Activity
Day 1 6/12/2019	Introduction to microcontroller and microprocessor Introduction to embedded system
	Programs of LED blink and Interfacing of sensors like LDR, potentiometer
Day 2 7/12/2019	Introduction to touch sensor and Programming of touch sensor
	Interfacing of seven segment display with freedom board.
	Interfacing of LCD with freedom board
	Basics and program of accelerometer.
Day 3 9/12/2019	Basics of Node MCU and types of different sensors
	Interfacing of sensor with Node MCU
	Control of device via we page
Day 4 10/12/2019	Basics of networking and basics of Thingspeak
	Uploading LDR sensor data on thingspeak cloud
	Uploading of DHT sensors data on cloud
Day 5 11/12/2019	Introduction to Blynk app. And installation of Blynk app
	Reception of notification on phone using blynk app.
	Applications using NodeMcU
Day 6 To Day 15 12/12/2019 To 20/12/2019	Mini projects : <ol style="list-style-type: none"> 1.Implementation of soil moisture monitoring 2.Implementation of weather station monitoring 3.Distance measurement using freedom board 4.Air mouse using freedom board 5.mplementation of liquid level monitoring 6.Home automation using IoT 7.Two digit adder subtractor using freedom board



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

Department of Electronics and Telecommunication
Event Report

Internship on Embedded systems(Freedom board and Node MCU (6/12/2019 to 20/12/2019)

Event Information
Event Type: SDP
Event title: Embedded system – ARM Mbed and Node MCU workshop
Resource Person: Pushkar SatheVaishali Mangrulkar
Event date: From: 6/12/2019 To: 20/12/2019
Organized for: Student
Organized by: EXTC Department
Target audience (branch & nos.): EXTC – 22 students
Attachments: 1. Photographs (in JPEG/PNG) 2. Attendance report 3. Feedback

Event Description

Day_1 (6th Dec 2019):

- Introduction to microprocessor and microcontroller
- Basics of Embedded system, SoC (System on Chip)
- programs like LED blinking, breathing LED
- Interfacing of sensors like LDR, potentiometer

Day_2 (7th Dec 2019):

- Basics of touch sensor
- Programming of touch sensor
- seven segment display
- Interfacing of seven segment display with freedom board.
- basics of LCD
- Interfacing of LCD with freedom board
- Basics and program of accelerometer

Day_3 (9st Dec 2019):

- Basics of Node MCU
- Types of sensors
- Interfacing of sensor with Node MCU
- Control of device via we page

Day_4 (10th Dec 2019):

- Basics of networking
- Basics of Thingspeak
- uploading LDR sensor data on thingspeak cloud
- Uploading of DHT sensors data on cloud

Day_5 (11th Dec 2019):

- Introduction to Blynk app.
- Installation of Blynk app
- Reception of notification on phone using blynk app.

➤ Applications using NodeMCU

Day_6 to 15 (12th Dec 2019 to 20th Dec 2019):

Following Mini projects are given :

- 1.Implementation of soil moisture monitoring
- 2.Implementation of weather station monitoring
- 3.Distance measurement using freedom board
- 4.Air mouse using freedom board
- 5.mplementation of liquid level monitoring
- 6.Home automation using IoT
- 7.Two digit adder subtractor using freedom board

1. Photographs (in JPEG/PNG)





2. Attendance report (Scanned copy)

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SIES Graduate School of Technology												
Department of Electronics and Telecommunication												
Internship on Embedded system (Freedom board and Node MCU)												
Duration :-6/12/2019 To 10/12/2019												
Academic year:-2019-2020					Year :-SE							
Sr.No.	Batch	Roll No.	Name	Attendance								
				6/12/2019	7/12/2019	8/12/2019	10/12/2019	10	12	19		
1		117A2068	Naidu Kaushalya Balakrishnan									
2		117A2102	Suresh Rajendran									
3		118A2001	Mr Aathityaa swaminathan	Att								
4		118A2002	Mr. Sajal Agrawal									
5		118A2003	Mr. Dhiraj Amin									
6		118A2004	Ms Anaida Babu	Att	Att	Att	Att					
7		118A2005	Mr. kaustubh Angne	Att	Att	Att	Att					
8		118A2006	Ms Anjana Ashokkumar	Att	Att	Att	Att					
9		118A2007	Ms Shamika Aslekar									
10		118A2008	Ms Ayshwarya Mohan									
11		118A2009	Ms Shambavi Balvalli									
12		118A2010	Mr. Yash Bheke	Att	Att	Att	Att					
13		118A2011	Mr. Tanuj Bhoir	Att	Att	Att	Att					
14		118A2012	Ms Poonam Bonde	Att	Att	Att	Att					

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9		118A2007	Ms Shamika Aslekar	Att	Att	Att	Att					
10		118A2008	Ms Ayshwarya Mohan									
11		118A2009	Ms Shambavi Balvalli									
12		118A2010	Mr. Yash Bheke	Att	Att	Att	Att					
13		118A2011	Mr. Tanuj Bhoir	Att	Att	Att	Att					
14		118A2012	Ms Poonam Bonde	Att	Att	Att	Att					
15		118A2013	Ms Mrudula Borhade	Att	Att	Att	Att					
16		118A2014	Ms Poorva Chaudhary	Att	Att	Att	Att					
17		118A2015	Mr. shubham chavan	Att	Att	Att	Att					
18	A1	118A2016	Ms Rudvika Choudhary	Att	Att	Att	Att					
19		118A2017	Ms Manasi Deshpande	Att	Att	Att	Att					
20		118A2018	Ms. Divya Kamila	Att	Att	Att	Att					
21		118A2019	Mr. Omkar Dumbre	Att	Att	Att	Att					
22		118A2020	Ms Pravalika Ettam	Att	Att	Att	Att					

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23	118A2021	Mr. Nikhil Gadhave	<i>Nikhil</i>	<i>Nikhil</i>	<i>Nikhil</i>	<i>Nikhil</i>	<i>Nikhil</i>
24	118A2022	Mr. Gaganpreet Singh Padda	<i>Gaganpreet</i>	<i>Gaganpreet</i>	<i>Gaganpreet</i>	<i>Gaganpreet</i>	<i>Gaganpreet</i>
25	118A2023	Mr. Ratnaharsh Gannerwaram					
26	118A2024	Mr. Mushahid Gaonkhadkar					
27	118A2025	Mr. Siddhesh Ghagare	<i>Siddhesh</i>	<i>Siddhesh</i>	<i>Siddhesh</i>	<i>Siddhesh</i>	<i>Siddhesh</i>
28	118A2026	Mr. Nishant Gharat	<i>Nishant</i>	<i>Nishant</i>	<i>Nishant</i>	<i>Nishant</i>	<i>Nishant</i>
29	118A2027	Mr Yash Ghildiyal					
30	118A2028	Mr. Sufiyan Golandaz	<i>Sufiyan</i>	<i>Sufiyan</i>	<i>Sufiyan</i>	<i>Sufiyan</i>	<i>Sufiyan</i>
31	118A2029	Mr. Dheeraj Gooty	<i>Dheeraj</i>	<i>Dheeraj</i>	<i>Dheeraj</i>	<i>Dheeraj</i>	<i>Dheeraj</i>
32	118A2030	Ms Bhumika Gopale	<i>Bhumika</i>	<i>Bhumika</i>	<i>Bhumika</i>	<i>Bhumika</i>	<i>Bhumika</i>
33	118A2031	Ms Akanksha Gourh	<i>Akanksha</i>	<i>Akanksha</i>	<i>Akanksha</i>	<i>Akanksha</i>	<i>Akanksha</i>
34	118A2032	Ms Gouri H					
35	118A2033	Ms Sangita Gowda					
36	A2	118A2034	Ms Tanvi Gujar	<i>Tanvi</i>	<i>Tanvi</i>	<i>Tanvi</i>	<i>Tanvi</i>
37	A3	118A2050	Ms. Aditi Khuspe	<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>
38	A3	118A2039	Mr. Sumit Jadhav	<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>
39	A1	118A2002	Mr Sajal Aslana	<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>

of Technology					
nd Telecommunication					
edom board and Node MCU)					
10/12/2019					
Year :-SE					
Attendance					
11/12/19	12/12/19	13/12/19	14/12/19	15/12/19	
<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	
<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>	
<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>	
<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	
<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>	
<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>	
<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	
<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>	<i>Sumit</i>	
<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>	<i>Sajal</i>	

23	118A2021	Mr. Nikhil Gadhave	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
24	118A2022	Mr. Gaganpreet Singh Padda	Gaganpreet	Gaganpreet	Gaganpreet	Gaganpreet	Gaganpreet
25	118A2023	Mr. Ratnaharsh Gannerwaram					
26	118A2024	Mr Mushahid Gaonkhadkar					
27	118A2025	Mr. Siddhesh Ghagare	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh
28	118A2026	Mr. Nishant Gharat	Nishant	Nishant	Nishant	Nishant	Nishant
29	118A2027	Mr Yash Ghildiyal	Yash	Yash	Yash	Yash	Yash
30	118A2028	Mr. Sufiyan Golandaz	Sufiyan	Sufiyan	Sufiyan	Sufiyan	Sufiyan
31	118A2029	Mr. Dheeraj Gooty	Dheeraj	Dheeraj	Dheeraj	Dheeraj	Dheeraj
32	118A2030	Ms Bhumika Gopale	Bhumika	Bhumika	Bhumika	Bhumika	Bhumika
33	118A2031	Ms Akanksha Gourh	Akanksha	Akanksha	Akanksha	Akanksha	Akanksha
34	118A2032	Ms Gouri H					
35	118A2033	Ms Sangita Gowda					
36	A2	118A2034	Ms Tanvi Gujar				
	A3	118A2039	Mr. Sumit Jadhav	Sumit	Sumit	Sumit	Sumit

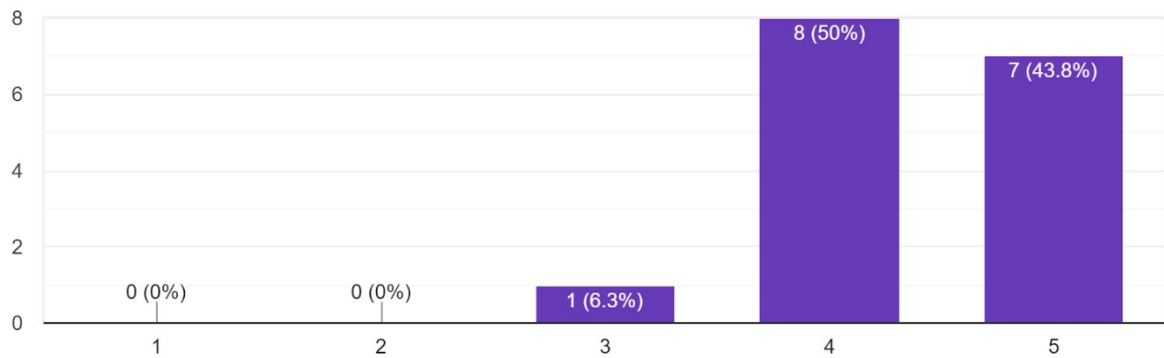
Sr.No.	Batch	Roll No.	Name	Attendance				
				16/12/19	17/12/19	18/12/19	19/12/19	20/12/19
1		117A2068	Naidu Kaushalya Balakrishnan					
2		117A2102	Suresh Rajendran					
3		118A2001	Mr Aathityaa swaminathan					
4		118A2002	Mr. Sajal Agrawal					
5		118A2003	Mr. Dhiraj Amin					
6		118A2004	Ms Anaida Babu	Anaida	Anaida	Anaida	Anaida	Anaida
7		118A2005	Mr. kaustubh Angne	Kaustubh	Kaustubh	Kaustubh	Kaustubh	Kaustubh
8		118A2006	Ms Anjana Ashokkumar	Anjana	Anjana	Anjana	Anjana	Anjana
9		118A2007	Ms Shamika Aslekar					
10		118A2008	Ms Ayshwarya Mohan					
11		118A2009	Ms Shambavi Balvalli	Shambavi	Shambavi	Shambavi	Shambavi	Shambavi
12		118A2010	Mr. Yash Bheke	Yash	Yash	Yash	Yash	Yash
13		118A2011	Mr. Tanuj Bhoir	Tanuj	Tanuj	Tanuj	Tanuj	Tanuj
14		118A2012	Ms Poonam Bonde	Poonam	Poonam	Poonam	Poonam	Poonam
15		118A2013	Ms Mrudula Borhade	Mrudula	Mrudula	Mrudula	Mrudula	Mrudula
16		118A2014	Ms Poorva Chaudhary	Poorva	Poorva	Poorva	Poorva	Poorva
17		118A2015	Mr. shubham chavan	Shubham	Shubham	Shubham	Shubham	Shubham

23	118A2021	Mr. Nikhil Gadhave	<i>Nikhil</i>	<i>Nikhil</i>	<i>Nikhil</i>	<i>Nikhil</i>	<i>Nikhil</i>
24	118A2022	Mr. Gaganpreet Singh Padda	<i>Gaganpreet</i>	<i>Gaganpreet</i>	<i>Gaganpreet</i>	<i>Gaganpreet</i>	<i>Gaganpreet</i>
25	118A2023	Mr. Ratnaharsh Gannerwaram					
26	118A2024	Mr Mushahid Gaonkhadkar					
27	118A2025	Mr. Siddhesh Ghagare	<i>Siddhesh</i>	<i>Siddhesh</i>	<i>Siddhesh</i>	<i>Siddhesh</i>	<i>Siddhesh</i>
28	118A2026	Mr. Nishant Gharat	<i>Nishant</i>	<i>Nishant</i>	<i>Nishant</i>	<i>Nishant</i>	<i>Nishant</i>
29	118A2027	Mr Yash Ghildiyal					
30	118A2028	Mr. Sufiyan Gollandaz	<i>Sufiyan</i>	<i>Sufiyan</i>	<i>Sufiyan</i>	<i>Sufiyan</i>	<i>Sufiyan</i>
31	118A2029	Mr. Dheeraj Gooty	<i>Dheeraj</i>	<i>Dheeraj</i>	<i>Dheeraj</i>	<i>Dheeraj</i>	<i>Dheeraj</i>
32	118A2030	Ms Bhumika Gopale	<i>Bhumika</i>	<i>Bhumika</i>	<i>Bhumika</i>	<i>Bhumika</i>	<i>Bhumika</i>
33	118A2031	Ms Akanksha Gourh	<i>Akanksha</i>	<i>Akanksha</i>	<i>Akanksha</i>	<i>Akanksha</i>	<i>Akanksha</i>
34	118A2032	Ms Gouri H					
35	118A2033	Ms Sangita Gowda					
36	A2	118A2034	Ms Tanvi Gujar	<i>Tanvi</i>	<i>Tanvi</i>	<i>Tanvi</i>	<i>Tanvi</i>

3. FeedbackReport (Course exit)

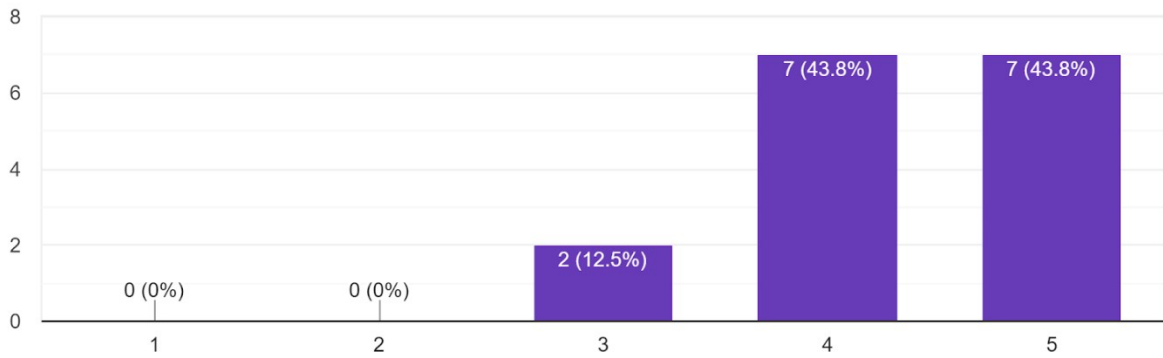
CO1-Learn about Embedded system and ARM Mbed platform

16 responses



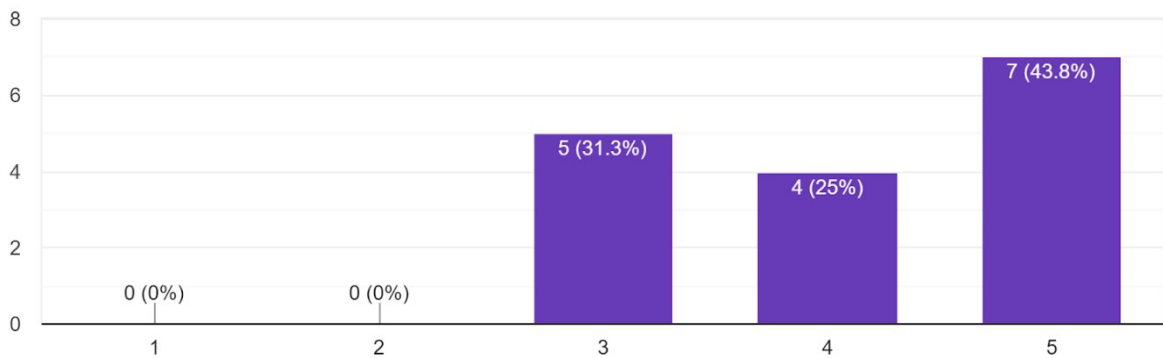
CO2-Interfacing various devices like 7 segment display,LCD display.

16 responses



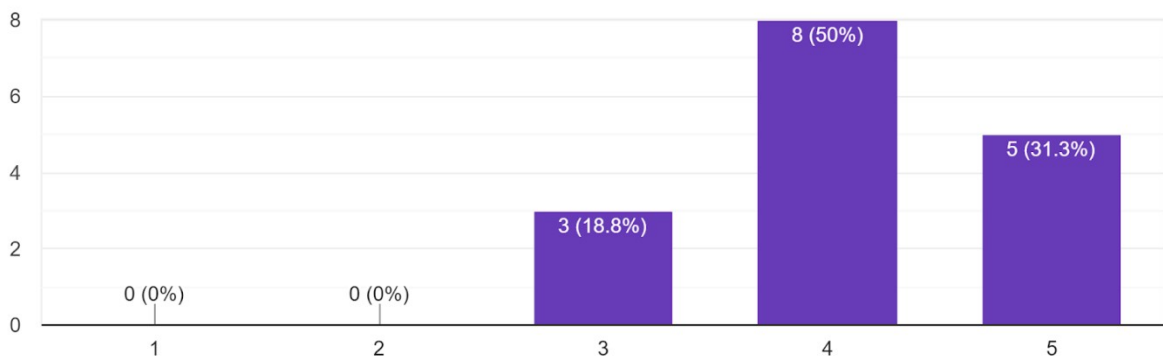
CO3-Interfacing various sensors like accelerator,LDR, temperature sensor.

16 responses



CO4-Learn basics of Node MCU and its interfacing with sensors and IoT application designing.

16 responses



Impact Analysis: Students did mini projects using freedom board and Node MCU.

Certificate:



SIES Graduate School of Technology

Department of Electronics and Telecommunication Hands on Training on FPGA Design using VHDL

10 – 27 December, 10 AM to 4.00 PM

Who will be benefited?

1. Students who want to develop project in the domain of VLSI
2. Students who want to enroll for higher studies in VLSI
3. Students who want to join VLSI industry as Analog or digital engineer.

Prerequisite

Background of Digital and analog electronics
Basics of flip flop, counter.

Objectives:

- To bridge the gap between industry requirements and academic by providing project based internship using VHDL.
- To aware students with VHDL design

Outcomes:

By the end of the course, the learner can:

1. Implement combinational circuits using VHDL
2. Implement sequential circuits using VHDL
3. Design of Finite State Machine & its implementation on FPGA using VHDL.

Contact for Registration:

Prof. Pranavi Mhatre

Pranavi.mhatre@siesgst.ac.in

9870201503

Note:

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

Day wise Schedule of Workshop

Day	Activity
<p style="text-align: center;">Day 1 22/6/2020</p>	<ul style="list-style-type: none"> ➤ Introduction to FPGA ➤ Basics of FPGA ➤ Basics of VHDL ➤ Programs on basic VHDL ➤ Program for different modelling style. <p>Interfacing with FPGA board and execution of programs</p>
<p style="text-align: center;">Day 2 23/6/2020</p>	<ul style="list-style-type: none"> ➤ Basics of combinational circuits ➤ Introduction to when else and with select loop ➤ Programs based on loop ➤ Programs for MUX, DEMUX, SSD ➤ Interfacing with FPGA board and execution of programs.
<p style="text-align: center;">Day 3 24/6/2020</p>	<ul style="list-style-type: none"> ➤ Basics of process ➤ Basics of Sequential circuits ➤ Introduction to if else and case select loop ➤ Basics of synchronous /asynchronous reset. ➤ Programs based on loop, synchronous /asynchronous reset ➤ Interfacing with FPGA board and execution of programs
<p style="text-align: center;">Day 4 25/6/2020</p>	<ul style="list-style-type: none"> ➤ Basics of counter ➤ Programs on MOD counter, UP-Down Counter. ➤ Interfacing with FPGA board and execution of programs
<p style="text-align: center;">Day 5 26/6/2020</p>	<ul style="list-style-type: none"> ➤ Introduction to FSM ➤ PROGRAM ON FSM ➤ Interfacing with FPGA board and execution of programs ➤ Mini project discussion
	<p>Discussion and Project Assignment</p>



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

Department of Electronic and Telecommunication Engineering

Event Report

Student Development Program FPGA Design Using VHDL

Event Information
Event Type: Workshop followed by internship
Event Title: FPGA design using VHDL
Resource Person: Prof. Dr. Preeti Hemnani , Prof.Ms. Pranavi Mhatre
Event Date:10-27 December 2019
Organized for: Students
Organized by: EXTC Department
Target Audience (Branch & Nos.): Undergraduate Students
Attachments: 1. Photographs (JPEG/PNG) 2. Attendance Report 3. Feedback Report

Event Description

EXTC department faculties have conducted 15 days student development program followed by internship, “FPGA Design using VHDL”. Program was conducted by Prof. Pranavi Mhatre and Prof. Dr. Preeti Hemnani.

Objective of the workshop was to bridge the gap between industry requirements and academic. 15 students attended the course and successfully developed and submitted project individually. Students completed their projects during online internship by SIESGST.

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.

1. Photographs (in JPEG/PNG)







2. Attendance report (Scanned copy)

SIES GRADUATE SCHOOL OF TECHNOLOGY
 in Chandrasekharendra Saraswathi Vidyapuram,
 Sector V, Nerul, Navi Mumbai - 400706
ATTENDANCE SHEET - SDP- FPGA DESIGN USING VHDL
 10th -16th December 2019

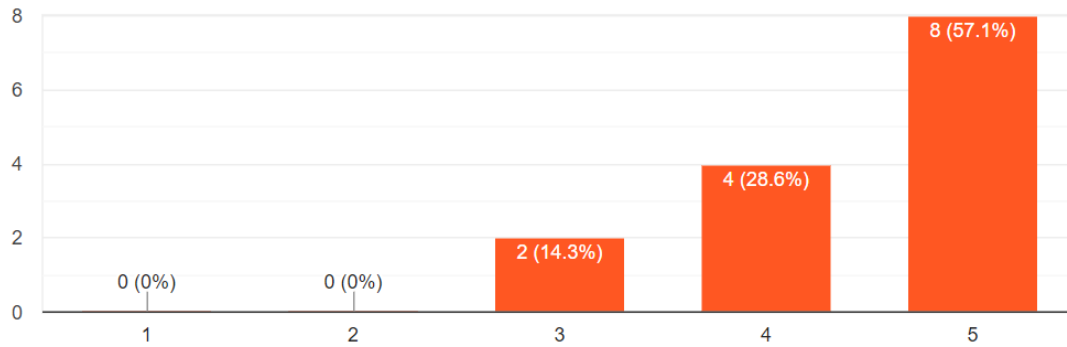
Sr. No.	Roll Number	Name of the Student	Day 1 10/12/19	Day 2 11/12/19	Day 3 12/12/19	Day 4 13/12/19	Day 5 14/12/19
1	118A2044	Dhishina Kaur	Present	Present	Present	Present	Present
2	118A2060	Meenakshi E	Present	Present	Present	Present	Present
3	118A2048	Kavitha A	Present	Present	Present	Present	Present
4	118A2047	Kasim S	Present	Present	Present	Present	Present
5	118A2109	Vaishnavi S	Present	Present	Present	Present	Present
6	118A2106	Vikrant Singh	Present	Present	Present	Present	Present
7	118A2036	Archi Hartman	Present	Present	Present	Present	Present
8	118A2011	Tarun Bhowik	Present	Present	Present	Present	Present
9	118A2043	Rushika Ingle	Present	Present	Present	Present	Present
10	219A2135	Ashish Shekh	Present	Present	Present	Present	Present
11	118A2046	Kantik Paul	Present	Present	Present	Present	Present
12	219A2130	Pranav Naidu	Present	Present	Present	Present	Present
13	118A2045	Kaushik Prakash	Present	Present	Present	Present	Present
14	219A2124	Prashant G	Present	Present	Present	Present	Present
15	219A2139	Vikrant Mandekar	Present	Present	Present	Present	Present
16	118A2034	Archi Hartman	Present	Present	Present	Present	Present
17	118A2035	Tarun Bhowik	Present	Present	Present	Present	Present

3. Feedback Report (Scanned copy)

1. General impression about the content of the course?

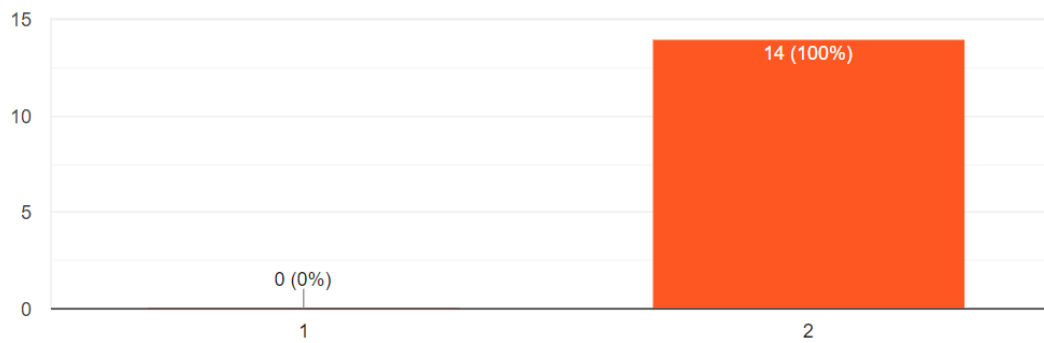


14 responses



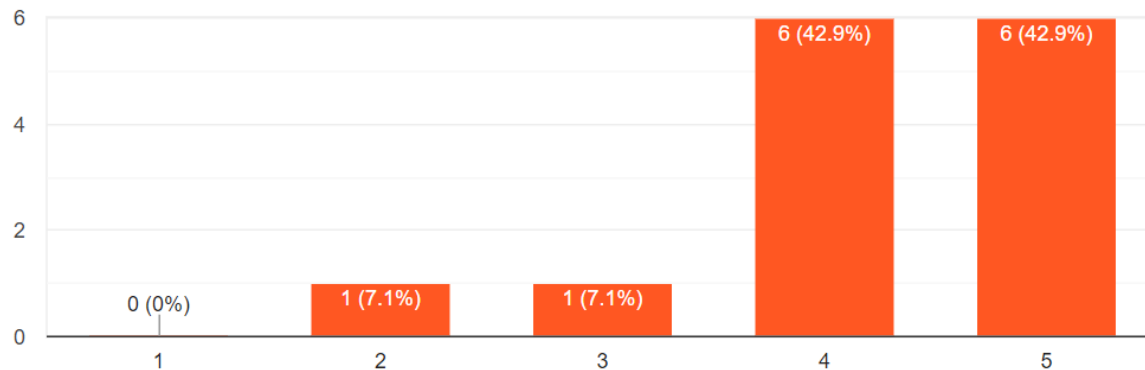
2. How well did the content address your expectations?

14 responses



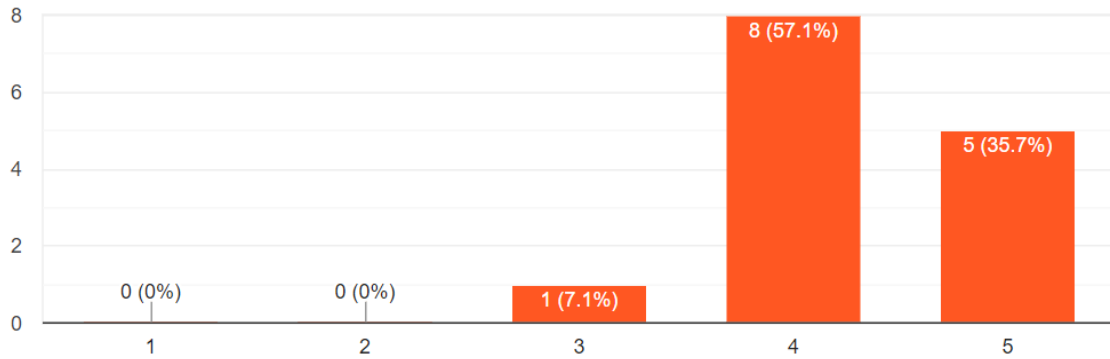
3. How do you rate the quality of content presented?

14 responses



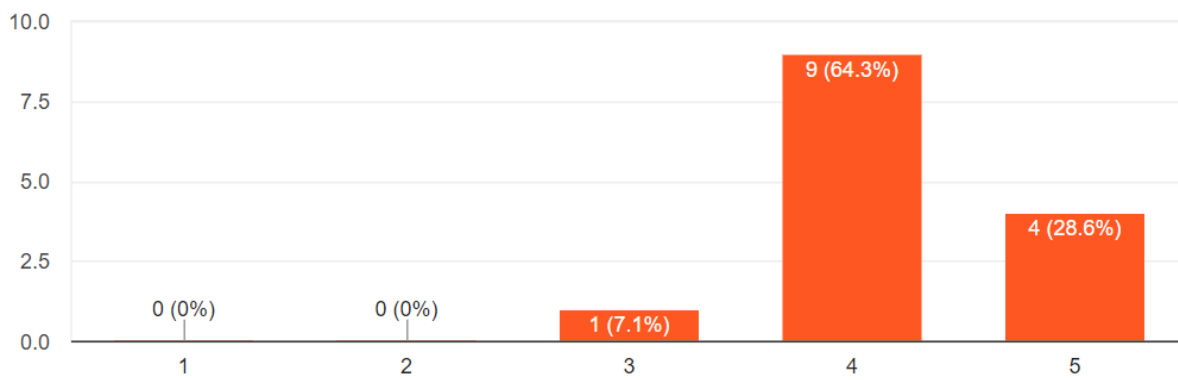
4. How relevant was the content?

14 responses



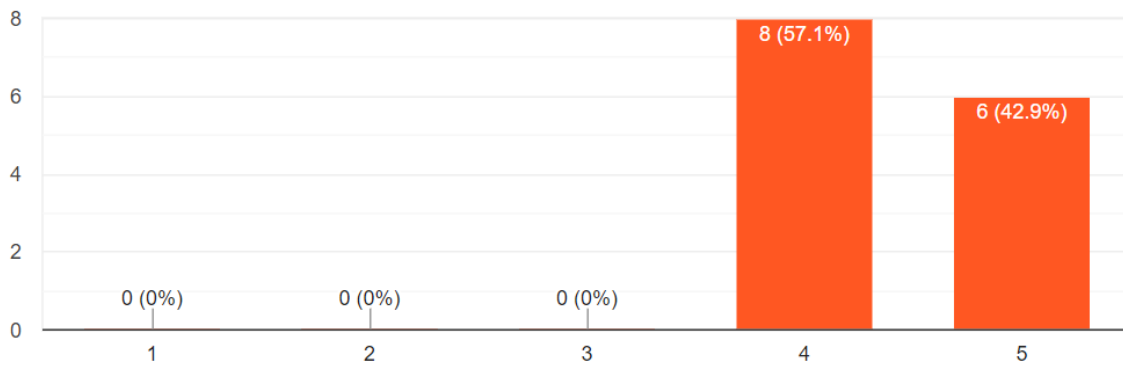
5. How do you rate the amount of content presented?

14 responses



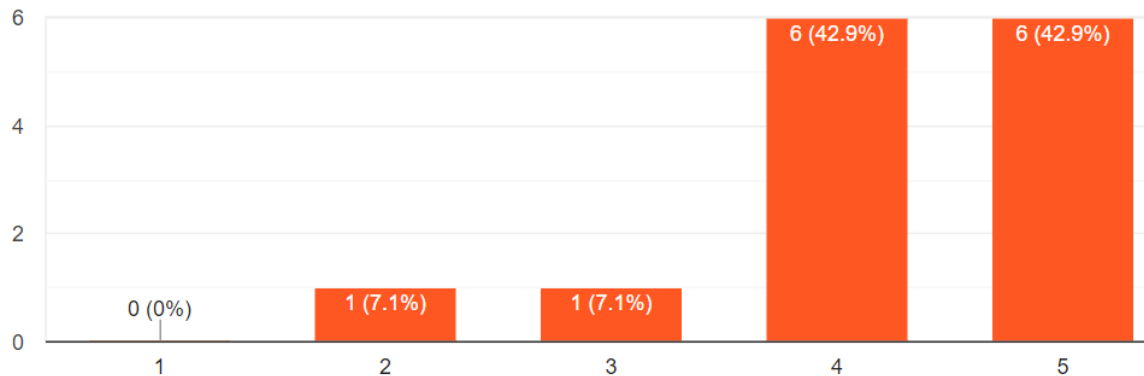
6. How do you rate hands on experience of the lab sessions?

14 responses



7.How much would you recommend this kind of workshop to your friends?

14 responses



Impact Analysis: students did small projects using FPGA.



SIES Graduate School of Technology

Department of Electronics and Telecommunication Hands on Training on

Workshop on Embedded System Design

Using Arduino-Uno

17th December 2019 **To:** 31st December 2019

10 AM to 4.00 PM

Who will be benefited?

1. Engineering branch students who are interested in microcontroller and embedded systems

Prerequisite

Background of Digital electronics

Objectives:

- To develop the background knowledge and core expertise of an embedded system design.
- Introduction to Arduino Board.
- To know the importance of different peripheral devices and their interfacing to microcontrollers.
- To know the sensor interfacing and its programming.
- To write C/C++ language programs for Arduino board for various applications.
- To know the working of different sensors and their use in an embedded systems

Outcomes:

Students will be able to design embedded systems based on microcontroller and arduino board.

By the end of the course, the learner can:

Design embedded systems based on microcontroller and arduino board.

Contact for Registration:

Prof. Vishal Gaikwad,

Mob. - 9665779359

Email ID : gaikwad.vishal@siesgst.ac.in

Note:

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

Day wise Schedule of Workshop

Day	Activity
<p style="text-align: center;">Day 1 17/12/2019</p>	<ul style="list-style-type: none"> ➤ Introduction to Micro-controller and Microprocessor, I/O operations of micro-controller
<p style="text-align: center;">Day 2 18/12/2019</p>	<ul style="list-style-type: none"> ➤ Types of microcontroller(MC) (8bit,16bit,32 bit) ➤ Concept of Compiler, Assembler,HEX file, Opcode and Machine code
<p style="text-align: center;">Day 3 19/12/2019</p>	<ul style="list-style-type: none"> ➤ Introduction to Arduino Uno Board, Features and PIN description of board
<p style="text-align: center;">Day 4 20/12/2019</p>	<ul style="list-style-type: none"> ➤ Simple LED blinking programming ➤ Introduction to Arduino IDE, Basic programming concepts of Arduino IDE.
<p style="text-align: center;">Day 5 21/12/2019</p>	<ul style="list-style-type: none"> ➤ LDR, Accelerometer Sensor Interfacing and Programming
<p style="text-align: center;">Day 6 23/12/2019</p>	<ul style="list-style-type: none"> ➤ Ultrasonic & MQ3 Sensor Interfacing and Programming
<p style="text-align: center;">Day 7 24/12/2019</p>	<ul style="list-style-type: none"> ➤ PIR Sensor Interfacing and Programming ➤ DHT11 Sensor Interfacing and Programming
<p style="text-align: center;">Day 8 26/12/2019</p>	<ul style="list-style-type: none"> ➤ Seven segment & 16*2 LCD Interfacing and Programming ➤ Displaying of sensor data on LCD Importing of program libraries from internet
<p style="text-align: center;">Day 9 27/12/2019</p>	<ul style="list-style-type: none"> ➤ Bluetooth interfacing and its programming ➤ ESP8266 interfacing and data uploading on thingspeak
<p style="text-align: center;">Day 10 30/12/2019</p>	<ul style="list-style-type: none"> ➤ Mini project and related discussion
<p style="text-align: center;">Day 11 31/12/2019</p>	<ul style="list-style-type: none"> ➤ Mini project and related discussion

Department of Electronics and Telecommunication
Event Report

Workshop on Embedded System Design Using Arduino Uno

(17th December 2019)

Event Information

Event Type: Internship/SDP

Event title: Workshop on Embedded System Design Using Arduino Uno

Resource Person:

1. Prof.Vishal Gaikwad
2. Prof.Pratibha Joshi
3. Prof.Madhuri Kulkarni

Event date: From: 17th December 2019 **To:** 31st December 2019

Organized for: SE-EXTC Students

Organized by: Department of Electronics & Telecommunication

Target audience (branch & nos.): EXTC - 34

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

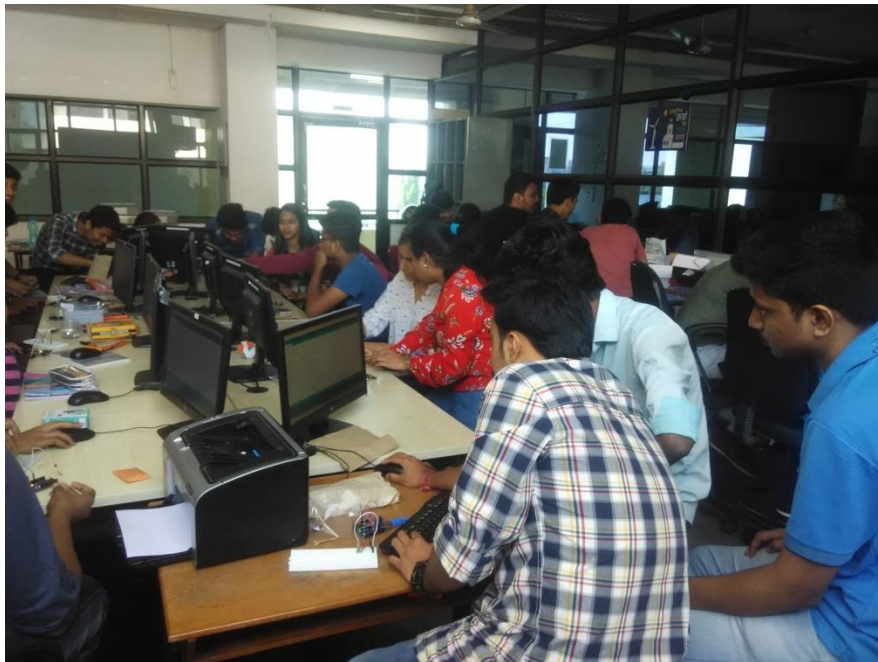
Event Description

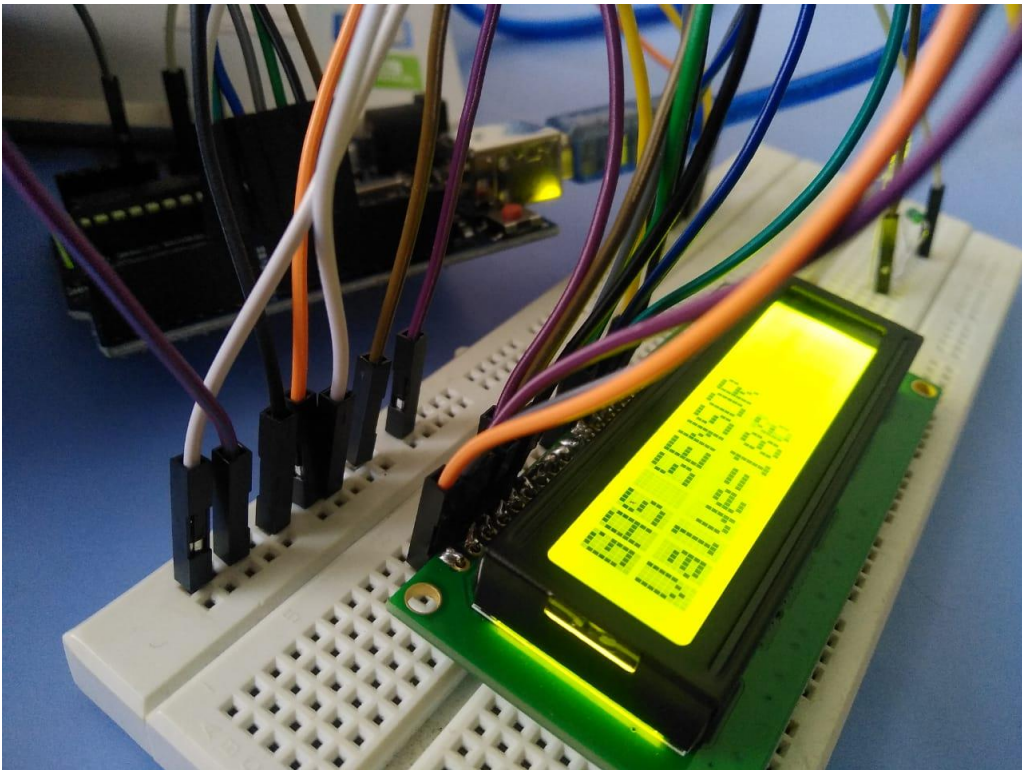
Internship was conducted for the SE EXTC students on embedded system design using arduino.

First day started with the basics of the microcontroller and microprocessor and then hands-on sessions interfacing of sensors, display and actuators with microcontroller conducted followed by nine projects.

Total 34 students participated for this course and they have completed all the assigned projects successfully.

1. Photographs (in JPEG/PNG)





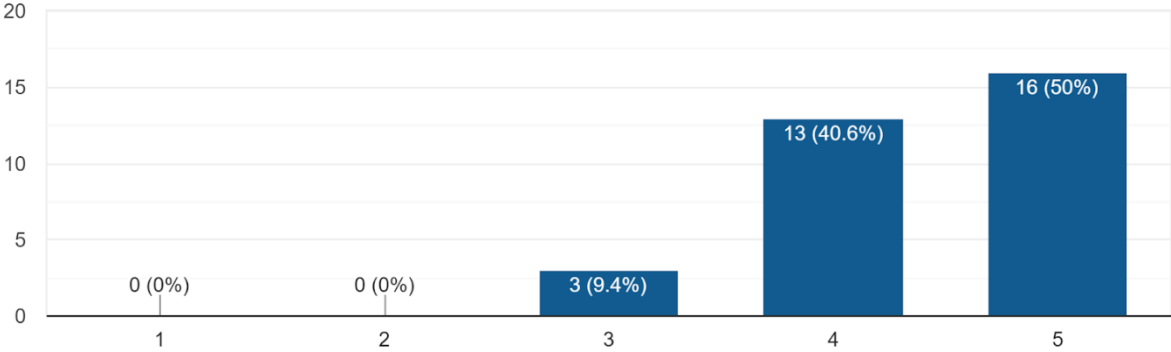
2. Attendance report (Scanned copy)

SH-2019 SE-EXTC Attendance of Workshop on Embedded System Design Using Arduino									
Sr.No	Roll No	Student Name	Batch	Signature					Project
				17th Dec	18th Dec	19th Dec	20th Dec	21st Dec	
1	118A2098	Mr Ajay Shinde							
2	118A2099	Ms Mrunal Shinde	web design						
3	118A2100	Mr. Pratik Shinde	B3						
4	118A2101	Mr. Aditya Singh	B3						
5	118A2102	Ms Rashmi Singh	B3						
6	118A2103	Mr. Rikee Singh	B3						
7	118A2104	Ms Rupinder Singh	B3						
8	118A2105	Mr. Vaibhav Singh	B3						
9	118A2106	Mr. Vikrant singh	B3						
10	118A2107	Mr. Punit Suryarao	B3						
11	118A2109	Mr Tejas Reejish	B3						
12	118A2110	Mr. Prathamesh Thakur	In company						
13	118A2111	Ms. Shruti Thevar	web design						
14	118A2112	Ms. Siddhi Thorat	B3						
15	118A2113	Mr Sparsha Upadhyay	B3						
16	118A2114	Ms Vaishnavi Sreekumar	B3						
17	118A2115	Mr Nishchay Verma	B3						
18	118A2116	Vishwakarma	B4						
19	118A2117	Mr. Aniket wagh							
20	118A2118	Ms Aditi Yadav	B4						
21	118A2119	Mr Balaji yadav	B4						
22	118A2120	Ms Khushboo Yadav	B4						
23	118A2121	Mr. Atharva Zadbuke							
24	219A2122	Deshmukh Pranav							
25	219A2123	Gadage Nutan	B4						
26	219A2125	Jha Gopal	B4						
27	219A2126	Karthik Peruvallal	B4						
28	219A2127	Mahadik Sakshi	B4						
29	219A2128	Mishra Pintu							
30	219A2129	Mohite Pratik	B4						
31	219A2132	Pimple Vivek	B4						
32	219A2133	Sarang Varun	B4						
33	219A2134	Shaikh Aqsa	B4						
34	219A2136	Shinde Subodh							
35	219A2137	Shirke Shradha	B4						
36	219A2138	Thakur Shashank	B4						
37	118A2009	Shambavi Balvalli	A1						
38	118A2053	Kulkarni Katyayni	A4						
39	118A2032	Gouri H	A2						
40	118A2057	Magjpati Balakrishna	A4						
41	118A2016	Rudvika Choudhary	A1						
42	118A2013	Maudula Borhade	A1						

3. Feedback Report and Impact Analysis

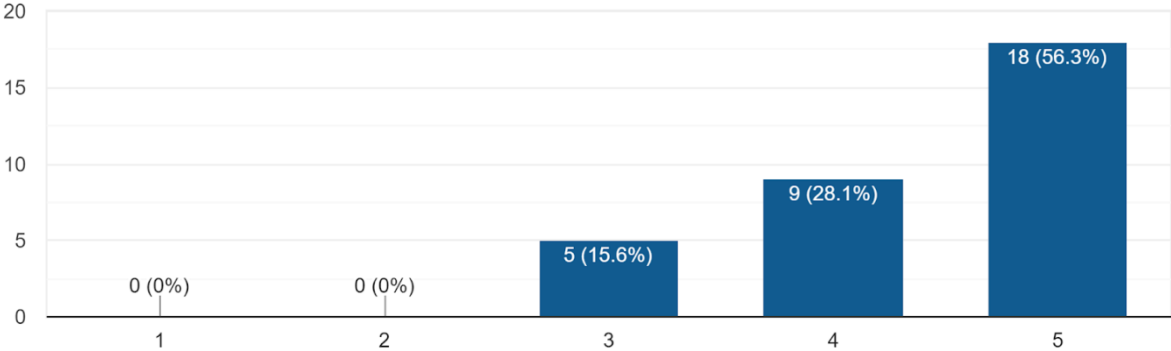
How satisfied were you with the SDP?

32 responses



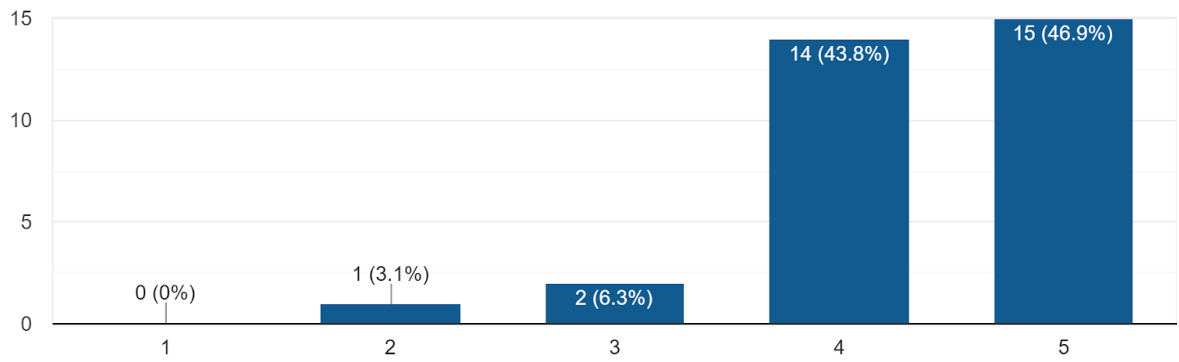
How relevant do you think it was for your academics

32 responses



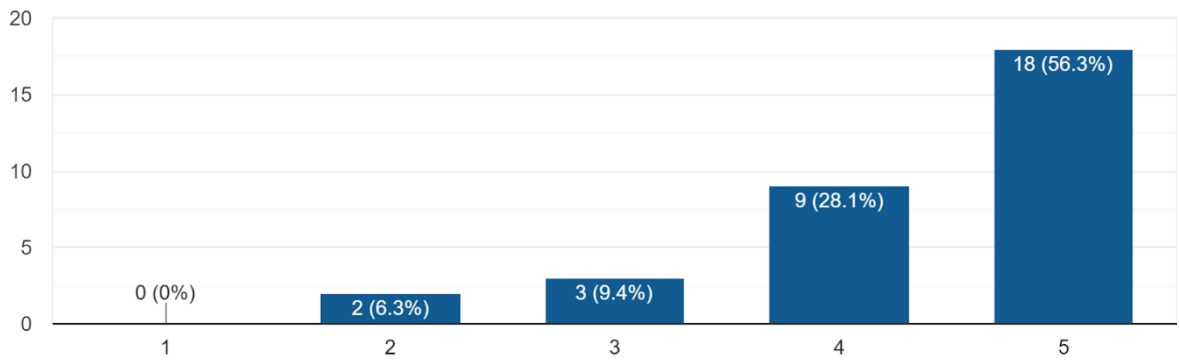
Effectiveness of the SDP

32 responses



Content delivery by speakers

32 responses





CR No. EXTC

CERTIFICATE OF APPRECIATION

This is to certify that

***Mr. Rupinder Singh of Second Year Electronics and Telecommunication Engineering
has successfully completed the Internship on Embedded System Design using Arduino Uno
for 15 days, conducted by Dept. of Electronics and Telecommunication, SIES GST
from 17th December to 31st December, 2019***

COURSE CO-ORDINATOR

DR. PREETI HEMNANI
HOD, EXTC DEPT.

DR. ATUL KEMKAR
PRINCIPAL, SIESGST

SIES Graduate School of Technology

Department of Electronics and Telecommunication

Presents

12 days Hands on Training on

Machine learning and image processing using python

15/ 06/ 2020 to 26/06/2020

There is difference between education and knowledge. Education provides learning. While knowledge translates that learning into a career that earns a living. But the truth is, our education system is largely structured around academic learning, leaving the task of turning it into a career to the individual. For the less-privileged though, the only barrier that stands between them and a technocrat is knowledge of practical aspects of technology. This course is meant to be a hands-on type course, giving students a chance to learn python and its applications in image processing and Machine learning which is considered to be a current trend of technology.

Objectives

- i) Learn about Python language basics
- ii) Learns basics of image processing
- iii) Implement basic image processing using python
- iv) Learn concepts of machine learning
- v) Apply knowledge of python in machine learning

Course Contents

Module 1: Basics of python

Overview of python, python data types, builds in data structure, Lists, tuples, dictionaries, string built in methods.

Module 2: Applications in image processing

Histogram of image, splitting color image into RGB, histogram Equalization, edge detection using simple operators.

Module 3 : Applications in Machine learning

Introduction to machine learning, data manipulation and pre-processing, data visualization, linear and logistic regression, support vector machines, decision tree, classification using KNN

Who Should Attend

Any student from SE to BE (EXTC/IT/CE) - First come first serve

Link for Registration

Department of Electronics and Telecommunication
Event Report

Internship on Machine Learning & Image Processing using Python (15/6/2020 to 26/6/2020)

Event Information
Event Type: SDP
Event title: Embedded system – Machine Learning & Image Processing using Python
Resource Person: Pushkar Sathe,Shyamala Mathi,Swati Rane,Kintu Patel
Event date: From: 15/6/2020 To: 26/6/2020
Organized for: Student
Organized by: EXTC Department
Target audience (branch & nos.): EXTC,ME,CE,IT,FE– 40 students
Attachments: 1. Photographs (in JPEG/PNG) 2. Attendance report 3. Feedback

Event Description

Day_1 (15th June 2020):

- Introduction to Python, datatypes, Numpy
- Hands on the datatypes and Numpy

Day_2 (16th June 2020):

- Python for Data Science
- Pandas: Introduction to Pandas, Series,
- Data frames – Missing Data, Group by, merging, operations and Data i/p and o/p
- Hands on the above topics and Pandas Exercises

Day_3 (17th June 2020):

- Python for Data Visualization using Matplotlib and seaborn
- Hands on Data Visualization using Matplotlib and Seaborn. Exercises on the topics

Day_4 (18th June 2020):

- Introduction to digital image processing, image enhancement techniques
- Hands on image enhancement techniques using opencv

Day_5 (19th June 2020):

- Image segmentation, morphological processing
- Implementation of image segmentation and morphological processing techniques

Day_6 (20th June 2020):

- Image filtering, Image transform

- Implementation of filtering and transformation

Day_7 (21th June 2020):

- Basics of machine learning, simple linear regression
- Practical implementation and exercise problem of simple linear regression

Day_8 (22nd June 2020):

- Multiple Linear Regression and Logistic Regression
- Practical Implementation and exercise problem

Day_9(23rd June 2020):

- Decision tree algorithm, support vector machine
- Practical Implementation and exercise problem

Day_10 (24th June 2020):

- Basic concepts of Naive Bayes
- Practical Implementation and exercise problem

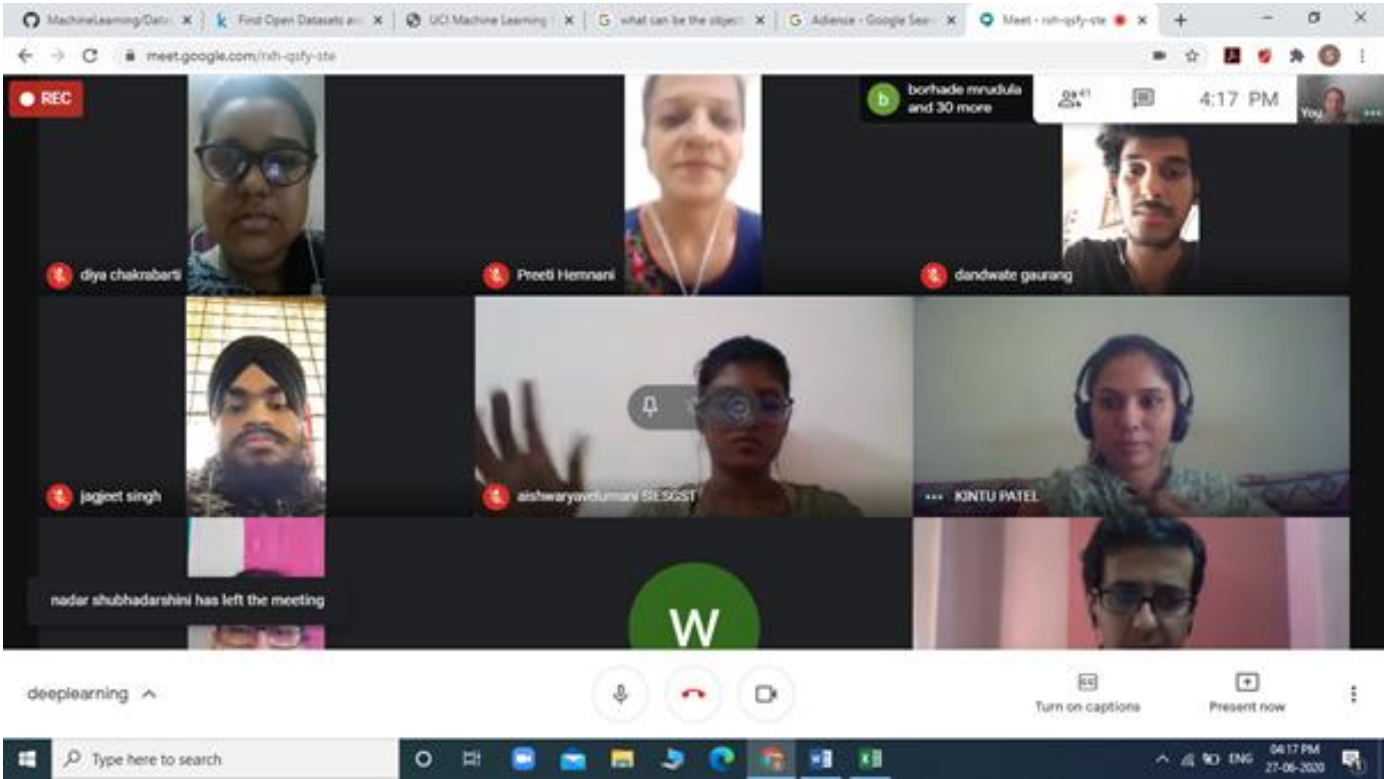
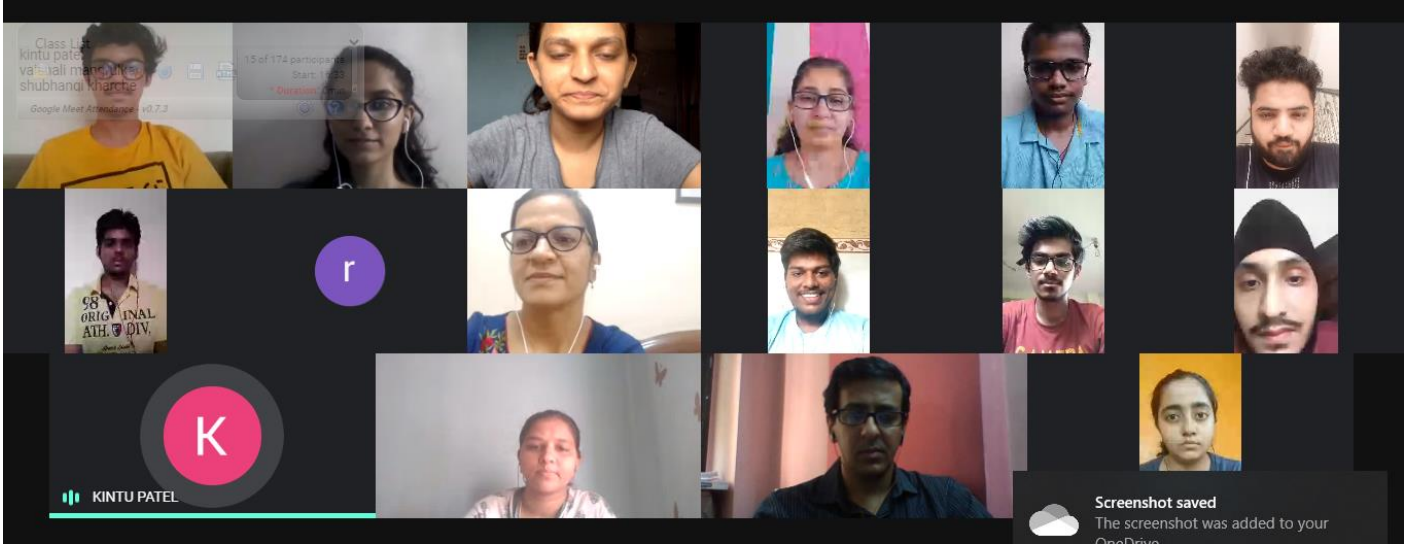
Day_11(25th June 2020):

- K-means and KNN algorithms
- Practical implementation of the above mentioned topics and exercise problem

Day_12 (26th June 2020):

- Basics of neural network, types of neural network
- Practical implementation of image classifier model using neural network

1. Photographs (in JPEG/PNG)



MachineLearning/Data: x Find Open Datasets an: x UCI Machine Learning | x what can be the object: x Adience - Google Search: x Meet - rxh-qsfy-ste x + -

meet.google.com/rxh-qsfy-ste

REC

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4:18 PM

pooja reshim Preeti Hemnani yadav balaji

SWATI RANE yadav aditi KINTU PATEL

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deeplearning ^

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SWATI RANE KINTU PATEL PUSHKAR SATHE

Preeti Hemnani pooja reshim yadav balaji

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2. Attendance report (Scanned copy)

Image Processing and Machine Learning using Python (FH2020)

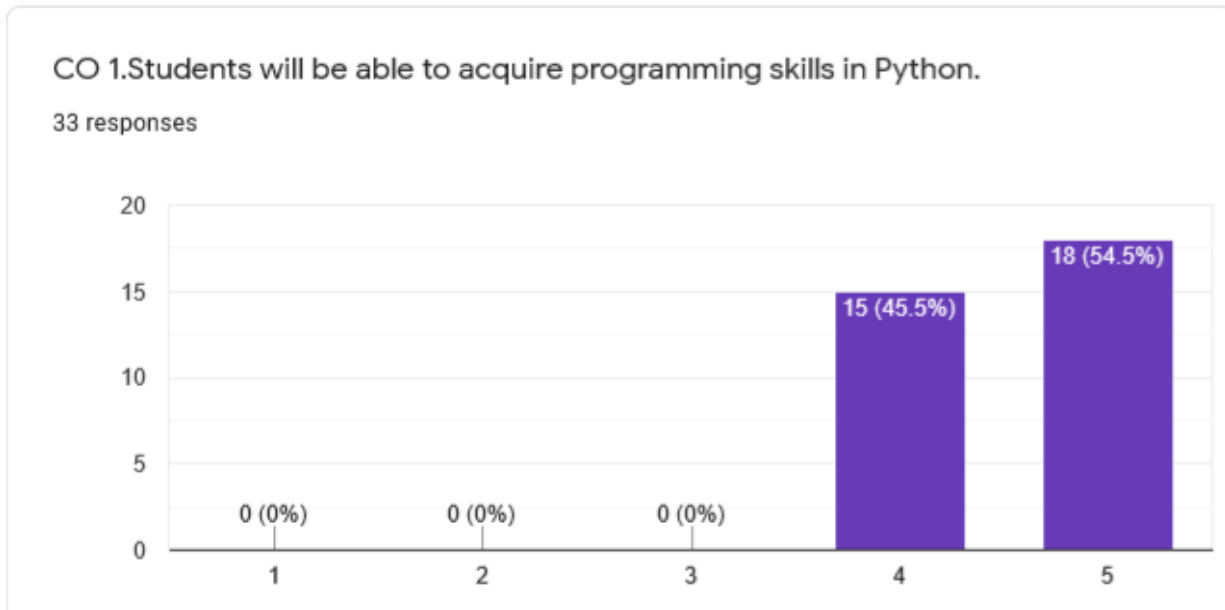
Duration: 15/06/2020 to 26/06/2020

Sr. No.	Name of the students										
	15.06.2020	16.06.2020	17.06.2020	18.06.2020	19.06.2020	20.06.2020	22.06.2020	23.06.2020	24.06.2020	25.06.2020	26.06.2020
1	aakriti sharma	AARTI PATIL	AARTI PATIL	AARTI PATIL	AARTI PATIL	gauri ramanathan	GAURI RAMANATHAN	AARTI PATIL	Aftaab Sheikh	gauri ramanathan	AARTI PATIL
2	AARTI PATIL	PARASURAMAN	PARASURAMAN	PARASURAMAN	aditi angad	meenakshi e	meenakshi e	aditi angad	aishwaryavelumani SIESGST	meenakshi e	Aftaab Sheikh
3	PARASURAMAN IYER	aditi angad	aditi angad	aditi angad	aishwaryavelumani SIESGST	sakshi rishipathak	sakshi rishipathak	Aftaab Sheikh	ajay arun	sakshi rishipathak	aishwaryavelumani SIESGST
4	aditi angad	aishwaryavelumani SIESGST	Aftaab Sheikh	aishwaryavelumani SIESGST	ajay arun	pooja reshim	pooja reshim	aishwaryavelumani SIESGST	badveparth SIES GST	pooja reshim	ajay arun
5	aishwaryavelumani SIESGST	ajay arun	aishwaryavelumani SIESGST	ajay arun	Amar Mandal	g dheeraj	g dheeraj	ajay arun	borhade mrudula	g dheeraj	Amar Mandal
6	ajay arun	Akash Maurya	ajay arun	Amar Mandal	badveparth SIES GST	dhanvi mange	dhanvi mange	Amar Mandal	dandwate gaurang	dandwate gaurang	badveparth SIES GST
7	Akash Maurya	Amar Mandal	Akash Maurya	ayshwarya mohan	borhade mrudula	ritu rao	dandwate gaurang	badveparth SIES GST	Divya Kamila	ritu rao	borhade mrudula
8	Amar Mandal	ayshwarya mohan	Amar Mandal	borhade mrudula	dandwate gaurang	aarti patil	ritu rao	borhade mrudula	diya chakrabarti	aarti patil	dandwate gaurang
9	badveparth SIES GST	borhade mrudula	borhade mrudula	dandwate gaurang	Divya Kamila	aditi angad	aarti patil	dandwate gaurang	g dheeraj	aishwaryavelumani siesgst	Divya Kamila
10	borhade mrudula	dandwate gaurang	dandwate gaurang	Dhanvi Mange	diya chakrabarti	aishwaryavelumani siesgst	aditi angad	Divya Kamila	Gaganpreet Singh	ajay arun	diya chakrabarti
11	sakshi shankar	Dhanvi Mange	Dhanvi Mange	Divya Kamila	g dheeraj	ajay arun	ajay arun	ritu rao	GAURI RAMANATHAN	amar mandal	g dheeraj
12	sant kedar	Divya Kamila	Divya Kamila	diya chakrabarti	Gaganpreet Singh	amar mandal	amar mandal	Sadish Nadar	gopale bhumika	borhade mrudula	pooja reshim

11	sakshi shankar	Dhanvi Mange	Dhanvi Mange	Divya Kamila	g dheeraj	ajay arun	ajay arun	ritu rao	GAURI RAMANATHAN	amar mandal	g dheeraj
12	sant kedar	Divya Kamila	Divya Kamila	diya chakrabarti	Gaganpreet Singh	amar mandal	amar mandal	Sadish Nadar	gopale bhumika	borhade mrudula	pooja reshim
13	sharma nishant	diya chakrabarti	diya chakrabarti	ritu rao	GAURI RAMANATHAN	borhade mrudula	borhade mrudula	SAKSHI RISHIPATHAK	RIKIN NANOTE	sharma nishant	Prathamesh Thakur
14	shinde ratish	g dheeraj	g dheeraj	Sadish Nadar	gopale bhumika	sharma nishant	sharma nishant	sakshi shankar	ritu rao	shinde ratish	rashmi shankar
15	Shlok Naik	Gaganpreet Singh	Gaganpreet Singh	saideep raju	jadhav sumit	shinde ratish	shinde ratish	sharma nishant	Sadish Nadar	shlok naik	RIKIN NANOTE
16	shruti azhagu	RAMANATHAN	RAMANATHAN	SAKSHI RISHIPATHAK	jaisingh narayan	shlok naik	shlok naik	shinde ratish	SAKSHI RISHIPATHAK	vishwakarma	ritu rao
17	Swapnil Vishwakarma	gharat nishant	gopale bhumika	sakshi shankar	jinarijal shweta	shruti azhagu	shruti azhagu	Shlok Naik	sharma nishant	tanuj bhoir	Sadish Nadar
18	tanuj bhoir	gopale bhumika	jadhav sumit	sant kedar	khuspe aditi	swapnil vishwakarma	swapnil vishwakarma	Swapnil Vishwakarma	shinde ratish	watharesanskruti sies gst	SAKSHI RISHIPATHAK
19	thevar mahalakshmi	jadhav sumit	jaajeet singh	sharma nishant	kunaltamhane SIES GST	tanuj bhoir	tanuj bhoir	tanuj bhoir	Shlok Naik	yadav aditi	sakshi shankar
20	watharesanskruti SIES GST	jaajeet singh	jinarijal shweta	shinde ratish	lavanya samanta	watharesanskruti sies gst	watharesanskruti sies gst	Swapnil Vishwakarma	Swapnil Vishwakarma	yadav balaji	sharma nishant
21	yadav aditi	jaisingh narayan	khuspe aditi	Shlok Naik	meenakshi e	yadav aditi	yadav aditi	yadav aditi	tanuj bhoir	sadish nadar	shinde ratish
22	yadav balaji	jinarijal shweta	kunaltamhane SIES GST	shruti azhagu	mukherjeeswapnendu SIES GST	yadav balaji	yadav balaji	yadav balaji	Swapnil SIES GST	sakshi shankar	Shlok Naik
23	rashmi shankar	karuna saravanan	lavanya samanta	Vishwakarma	Mushahid Gaonkhadkar	sadish nadar	sadish nadar	rashmi shankar	yadav aditi	rashmi shankar	Swapnil Vishwakarma
24	RIKIN NANOTE	kavitha ashok	meenakshi e	tanuj bhoir	pooja reshim	saideep raju	saideep raju	RIKIN NANOTE	yadav balaji	rikin nanote	tanuj bhoir
25	ritu rao	khuspe aditi	mukherjeeswapnendu SIES GST	watharesanskruti SIES GST	Prathamesh Thakur	sakshi shankar	sakshi shankar	meenakshi e	Mushahid Gaonkhadkar	mushahid gaonkhadkar	watharesanskruti SIES GST
26	Sadish Nadar	Kotian Smruti	Mushahid Gaonkhadkar	yadav aditi	rashmi shankar	nadar shubhadarshini	nadar shubhadarshini	nadar	Gaonkhadkar	shubhadarshini	khuspe aditi
27	saideep raju	kunaltamhane SIES GST	nadar shubhadarshini	yadav balaji	RIKIN NANOTE	rashmi shankar	rashmi shankar	nadar shubhadarshini	pooja reshim	kunaltamhane sies gst	kunaltamhane SIES GST

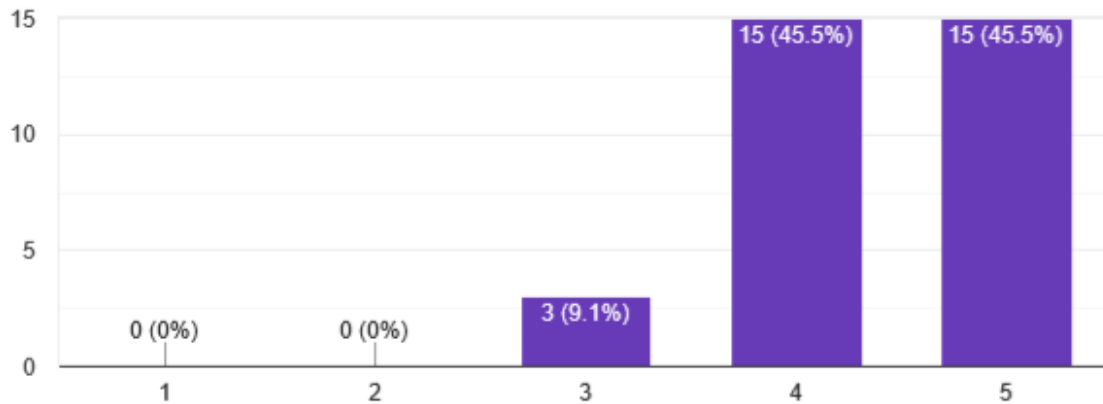
28	SAKSHI RISHIPATHAK	lavanya samanta	pooja reshim	Prathamesh Thakur	ritu rao	rikin nanote	rikin nanote	pooja reshim	jinarijal shweta	lavanya samanta	lavanya samanta
29	pooja reshim	meenakshi e	Prathamesh Thakur	rashmi shankar	Sadish Nadar	mukherjeeswap nendu sies gst	mukherjeeswapnendu	Prathamesh Thakur	khuspe aditi	jinarijal shweta	meenakshi e
30	Prathamesh Thakur	mukherjeeswapnendu SIES GST	RIKIN NANOTE	RIKIN NANOTE	saideep raju	mushahid gaonkhadkar	mushahid gaonkhadkar	jinarijal shweta	kunaltamhane SIES GST	gopale bhumika	Mushahid Gaonkhadkar
31	pratik kaluram	Mushahid Gaonkhadkar	ritu rao	kunaltamhane SIES GST	SAKSHI RISHIPATHAK	khuspe aditi	khuspe aditi	khuspe aditi	lavanya samanta	jadhav sumit	nadar shubhadarshini
32	lavanya samanta	nadar shubhadarshini	Sadish Nadar	lavanya samanta	sakshi shankar	kunaltamhane sies gst	kunaltamhane sies gst	kunaltamhane SIES GST	meenakshi e	jadveet singh	jinarijal shweta
33	meenakshi e	nimesh nair	SAKSHI RISHIPATHAK	meenakshi e	sant kedar	lavanya samanta	lavanya samanta	lavanya samanta	jadhav sumit	jaisingh narayan	khuspe aditi
34	mukherjeeswapnendu SIES GST	pooja reshim	sakshi shankar	mukherjeeswapnendu SIES GST	sharma nishant	jinarijal shweta	jinarijal shweta	GAURI RAMANATHAN	jadveet singh	diya chakrabarti	gopale bhumika
35	Mushahid Gaonkhadkar	pratik kaluram	sharma nishant	Mushahid Gaonkhadkar	shinde ratish	gopale bhumika	gopale bhumika	gopale bhumika	jaisingh narayan	gaganpreet singh	jadhav sumit
36	nikhitha jayaprakash	rashmi shankar	shinde ratish	pooja reshim	Shlok Naik	jadhav sumit	jadhav sumit	jadhav sumit	aditi angad	divya kamila	jadhav sumit
37	nimesh nair	RIKIN NANOTE	Shlok Naik	jaisingh narayan	shruti azhagu	jadveet singh	jadveet singh	jadveet singh	AARTI PATIL	aftaab sheikh	jadveet singh
38	karuna saravanan	ritu rao	shruti azhagu	jinarijal shweta	Swapnil Vishwakarma	jaisingh narayan	jaisingh narayan	jaisingh narayan		prathamesh thakur	jaisingh narayan
39	kavitha ashok	Sadish Nadar	Vishwakarma	khuspe aditi	tanuj bhoir	diya chakrabarti	diya chakrabarti	diya chakrabarti		badveparth sies gs	Gaganpreet Singh
40	khuspe aditi	saideep raju	tanuj bhoir	g dheeraj	watharesanskriti SIES GST	gaganpreet singh	gaganpreet singh	Gaganpreet Singh			GAURI RAMANATHAN
41	Kotian Smruti	SAKSHI RISHIPATHAK	watharesanskriti SIES GST	Gaganpreet Singh	yadav aditi	divya kamila	divya kamila				gopale bhumika
42	kunaltamhane SIES GST	sakshi shankar	yadav aditi	GAURI RAMANATHAN	yadav balaji	aftaab sheikh	aftaab sheikh				yadav balaji
43	jadhav sumit	sharma nishant	yadav balaji	gopale bhumika		prathamesh thakur					
44	jadveet singh	shinde ratish		jadhav sumit		sant kedar					

3. Feedback Report (Course exit)



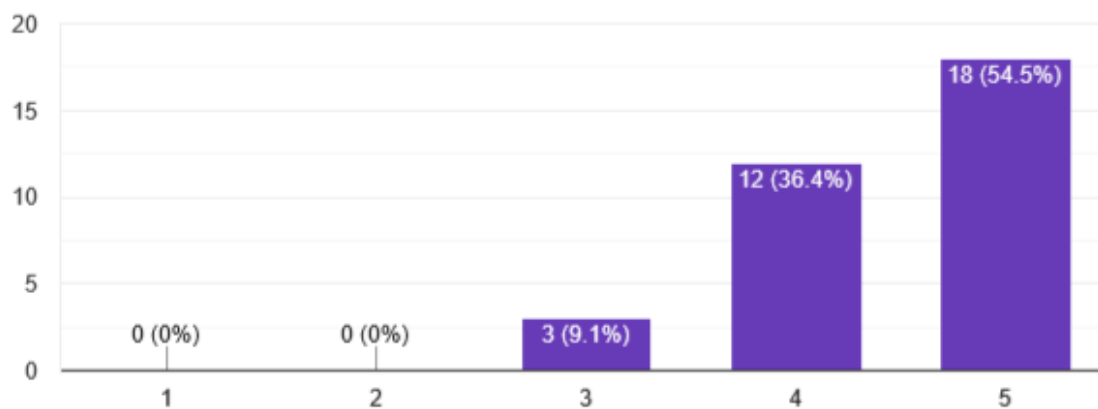
CO2. Students will be able to Perform all types of operations on the Dataset and Visualize data using the libraries (Numpy, Pandas, Matplotlib, Seaborn, OpenCV and Sklearn)

33 responses



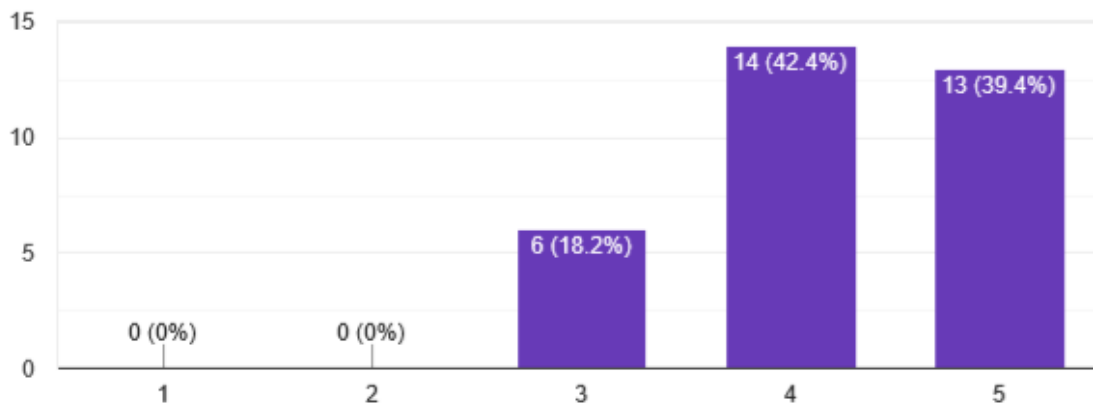
CO3. Students will be able to Perform basic operations on digital image using Python

33 responses



CO4. Students will be able to Implement classifier model for given data and compare its performance with other classifier.

33 responses



4. Impact Analysis: Students did mini projects in the field of machine learning using concepts of python learnt during 12 days of SDP.

5. Responses:

Student Full Name	Department	CO 1.Students will be able to acquire programming skills in Python.	CO2. Students will be able to Perform all types of operations on the Dataset and Visualize data using the libraries (Numpy, Pandas, Matplotlib, Seaborn, OpenCV and Sklearn)	CO3. Students will be able to Perform basic operations on digital image using Python	CO4. Students will be able to Implement classifier model for given data and compare its performance with other classifier.	Any other suggestion or Your Views about the SDP.	Would you like to attend this kind of SDP in future??
Amar Mandal	MECH	5	5	5	5	Separate session should be conducted for image processing as it is a vast topic.	YES

DIYA CHAKRABARTI	EXTC	4	4	4	4	-	YES
D. Ritu Rao	IT	5	5	5	4	.	YES
SAKSHI SANJAY RISHIPATHAK	EXTC	4	4	5	5	All good!!	YES
Prathamesh Bharat Thakur	EXTC	5	5	5	5	It will be great if more detailed sessions can be conducted by extending the course duration... because here also we missed some small but important ML terminologies... Else it was fun.	YES
Jagjeet Singh Malhotra	EXTC	5	5	5	5	If you could add more of application based assignments as to wherein we can implement real life examples , it would be really nice . Also if we can implement NLP and more of image processing and ML would be really nice	YES
Pooja Anant Reshim	EXTC	4	5	5	4	It was very interesting course. We got know more practical things rather than just theory part. It was really amazing experience.	YES
Abhishekh Iyer	IT	4	4	4	4	Nope it was really good	YES
Gaurang Dandwate	MECH	5	5	5	5	The SDP was very good and the course content were also really helpful for those that are just starting with python programming/IP/ML. Suggestion: After the first week of SDP, of possible give a break of 2-3 days so that the students can practice what they've learned and perfect their basics of data analyzation.	YES
Aishwarya Velumani	COMPS	4	4	4	4	Kindly increase the number of sessions if possible.	YES
Sumit Anil Jadhav	EXTC	5	5	4	4	No	YES
Swapnil Vishwakarma	EXTC	4	4	5	5	This SDP gave a very good introductory knowledge on Machine Learning.	YES
Dheeraj	EXTC	4	4	4	4	-	YES
Ajay Shinde	EXTC	5	4	4	4	It was good	YES
Mrudula borhade	EXTC	4	4	5	5	.	YES

Shlok Naik	COMPS	5	5	5	5	-	YES
Balaji Yadav	EXTC	5	5	5	5	No	YES
Kunal Tamhane	EXTC	5	5	4	3	Nicely taken and taught.	YES
Gauri Ramanathan	EXTC	5	5	5	5	No	YES
Aarti Balasaheb Patil	EXTC	5	4	5	4	By keeping our BE project in our mind.. went for this SDP which stood very useful n helpful for it.. came up with knowledge of various libraries.	YES
Aditi Rao	EXTC	5	5	5	4	The best Machine Learning course I've attended. I found it to be a bit advanced for people with no prior programming knowledge but the faculties taught amazing so hats off!	YES
Parth Badve	IT	4	3	3	3	It was great, but was somewhat fast	YES
Divya Kamila	EXTC	4	3	4	3	SDP was designed in a such a manner that we got basic theoretical as new learners, as well as practical knowledge. The faculty made sure that we understood through this online session and took every steps they could to make it easy for us.	YES
Bhumika Gopale	EXTC	4	4	4	4	Helpful	YES
Meenakshi E	EXTC	4	4	4	4	Nil	YES
Gaganpreet Singh S S Padda	EXTC	5	5	5	5	No, everything was perfect.	YES
Aditi Sudhir Yadav	EXTC	5	5	5	4	No.	YES
Sadish Ramajayam Nadar	EXTC	5	4	5	3	Quite different way of learning process, really enjoyed the session and faculties were excellent.	YES
Aditi khuspe	EXTC	4	3	3	3	It was a good experience	YES
Shweta Jinaral	EXTC	4	4	4	4	No suggestions as of now. It was a great learning experience.	YES

Ratish Sadashiv Shinde	COMPS	5	5	5	5	Everything was good! Thank you	YES
Lavanya Samanta	COMPS	5	4	3	5	The machine learning concepts were thoroughly explained.	YES
Shubhadarshini Ramkumar Nadar	IT	4	4	4	3	No	YES
Mushahid Sharifmiya Gaonkhadkar	EXTC	5	5	5	5	No	YES

Certificate:

SIES Graduate School of Technology

Department of Electronics and Telecommunication

Presents

Two Weeks Online Course and Hands on Training on C, C++ and Java coding skills
15th June – 26th June 2020, Navi Mumbai

There is a difference between the theoretical knowledge and coding skills be that matter for any programming language. Coding skills translates the theoretical knowledge based learning to solve live problems in the industry. To basically translates the class room learning into a career that earns a living. Our education system is largely structured around grooming of academic potentials; we have to groom ourselves after obtaining the academic skills for the live problems being faced by the industry. SIES Graduate School of Technology makes room for open technology and responds to market demands by its training program. EXTC, SIES Graduate School of Technology is helping students to get educated to obtain practical knowledge via hands on practice. This course will help the candidates to improve the skills required for jobs given to them by industry and provide a better understanding of some complex aspects of coding in C, C++ and Java.

Objectives

Learn how to program, troubleshoot and debug, using case studies as per the academic syllabi. Designs using simplified programming skills of case structure based and object oriented nature. A C, C++ and Java trained professionals is valued across different platforms of operating systems and the same skills can be used as the basic building blocks to learn and code in other programming languages.

Industry Skill: The training will bridge the gap between the academics and industry by providing solutions to case studies.

Affordability: The program is free of cost.

Course Contents

Module 1: Overview, Environment setup (installation), Token, Data types, Variables

Module 2: Constant and literals, Operators, Decision making Statements, Loops

Module 3: Functions, String and array

Module 4: Storage classes, Pointer, Inheritance

Module 5: Structures, file handling

Module 6: Basic concepts of Java programming

Module 7: OOPS and its applications in Java

Module 8: Arrays

Module 9: String Operations

Module 10: Inheritance

Module 11: GUI Programming – Case studies

Any student from FE AND SE (Electronics and Telecommunication) seeking a career in software industry which caters to various aspects of computers, telecommunication and hardware domain.

Registration Fees

Course Fee: Free of cost

(Cost of certificate will be applicable)

Contact for Registration

Prof. Sonal Jatkar,
Mobile: 9970286104

sonal.jatkar@siesgst.ac.in

Prof. Madhuri Kulkarni
Mobile: 9595008467

madhuri.kulkarni@siesgst.ac.in

Prof. Priyanka Kadam
Mobile: 7045410881

priyanka.kadam@siesgst.ac.in

REGISTRATION LINK:

https://docs.google.com/forms/d/e/1FAIpQLSdMD9eqzHdhzNp9hKNiIpgQyHqGRJNkCcpAOaEF8OXhS WjE0Q/viewform?usp=sf_link



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

Department of Electronics and Telecommunication
Event Report

Two Weeks Online Course and Hands on Training on C, C++ and Java coding skills
(15th June – 26th June 2020)

Event Information
Event Type: SDP/Interenship
Event title: Two Weeks Online Course and Hands on Training on C, C++ and Java coding skills
Resource Person: Prof. Sonal Jatkar, Prof. Madhuri Kulkarni Prof. Priyanka Kadam (EXTC Dept, SIES GST)
Event date: 15th June – 26th June 2020, Navi Mumbai
Organized for: FE, SE and TE Students
Organized by: EXTC Dept, SIES GST
Target audience (branch & nos.): FE(31) + SE(2) + TE(1) = 34
Attachments: 1. Photographs (in JPEG/PNG) 2. Attendance report 3. Feedback and Impact Analysis

Event Description

SIES Graduate School of Technology had organized a Two Weeks Online Course and Hands on Training on C, C++ and Java coding skills on 15th June – 26th June 2020.

OBJECTIVES:

- To enhance coding skills of students
- To understand the importance of classes and objects along with constructor, Arrays and Vector.
- To understand the principal of inheritance, interface, packages and demonstrate through problem analysis.

OUTCOMES:

- To develop logic to write program
- To write code in C,C++and Java language
- To apply the knowledge of C,C++and Java programing to solve diffrent problems
- To identify classes and objects and the relationship among them for finding the solution to specific problem.

PREREQUISITE:

Basic of mathematics

SCHEDULE

WEEK 1:

Date	Day 1	Day 2	Day 3	Day 4	Day 5
Resource person	Priyanka Kadam	Madhuri Kulkarni	Priyanka Kadam	Madhuri Kulkarni	Priyanka Kadam Madhuri Kulkarni
Time	11.00 am-1.00 pm	11.00 am-1.00 pm	11.00 am-1.00 pm	11.00 am-1.00 pm	11.00 am-1.00 pm
	Overview, Environment setup (installation), Token, Data types, Variables	Constant and literals, Operators, Decision making Statements, Loops	Functions, String and array	Storage classes, Pointer, Inheritance	Structures, file handling
Time	2.00 pm to 4.00 pm	2.00 pm to 4.00 pm	2.00 pm to 4.00 pm	2.00 pm to 4.00 pm	2.00 pm to 4.00 pm
	Hands on session	Hands on session	Hands on session	Hands on session	Hands on session
	Assignment and Quiz	Assignment and Quiz	Assignment and Quiz	Assignment and Quiz	Assignment and Quiz

SCHEDULE

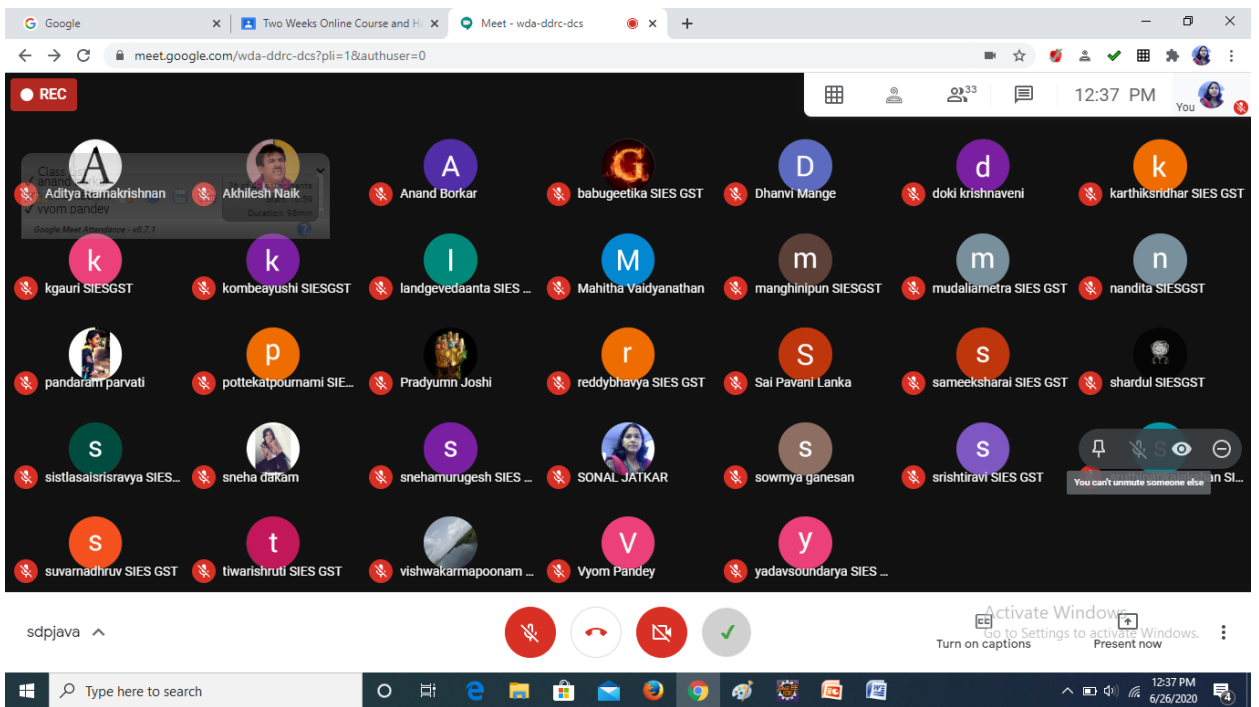
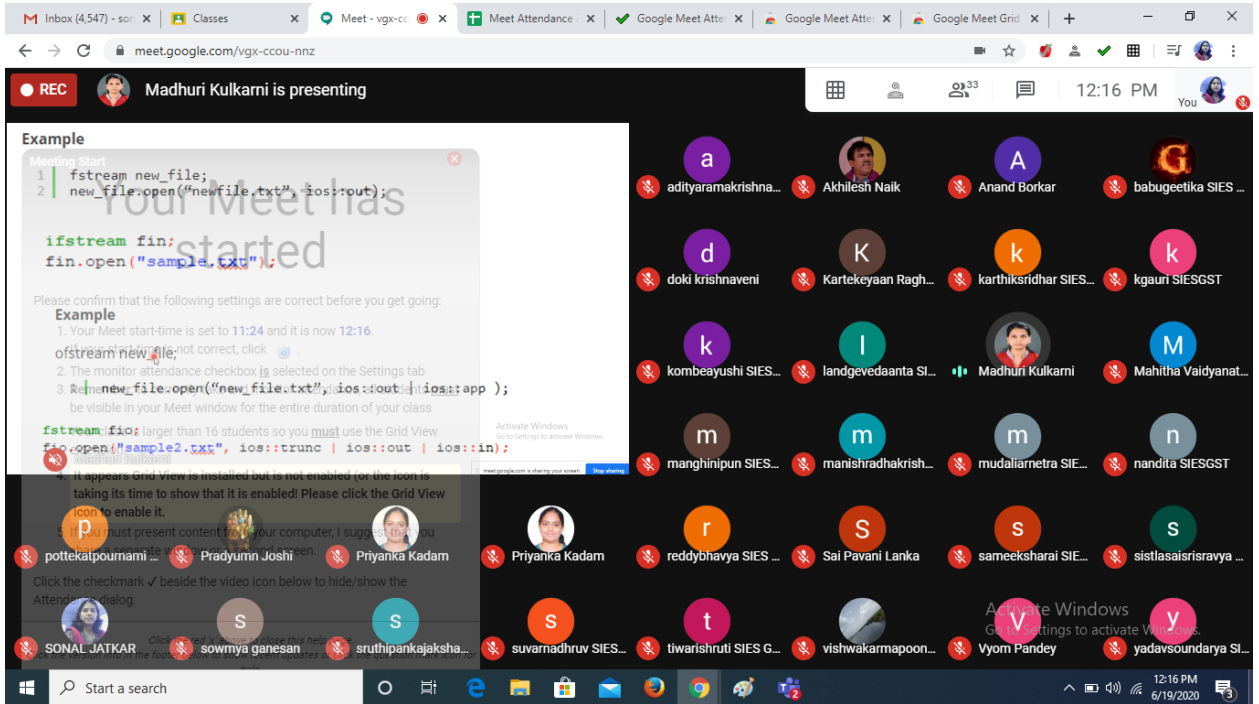
WEEK 2:

Date	Day 1	Day 2	Day 3	Day 4	Day 5
Resource person	Sonal Hutke	Sonal Hutke	Sonal Hutke	Sonal Hutke	Sonal Hutke
Time	11am-1pm	11am-1pm	11am-1pm	11am-1pm	11am-1pm
	Topic to be covered eg. Theoretical aspects of	Topic to be covered	Topic to be covered	Topic to be covered	Topic to be covered
	Basics concepts of Java programming	OOPS and its applications in Java	Arrays	String Operations, Inheritance	GUI Programming – Case studies
Time	2.00 pm to 4.00 pm	2.00 pm to 4.00 pm	2.00 pm to 4.00 pm	2.00 pm to 4.00 pm	2.00 pm to 4.00 pm
	Hands on session	Hands on session	Hands on session	Hands on session	Hands on session
	Assignment and Quiz	Assignment and Quiz	Assignment and Quiz	Assignment and Quiz	Assignment and Quiz

Registration Link:

https://docs.google.com/forms/d/e/1FAIpQLSdMD9eqzHdhzNp9hKNiIpgQyHqGRJNkCcpAOaEF8OXhSWjE0Q/viewform?usp=sf_link

1. Photographs (in JPEG/PNG)



Two Weeks Online Course and H... | Classes | Meet - cin-cipu-scw

meet.google.com/cin-cipu-scw?pli=1&authuser=0

REC You are presenting

12:33 PM Presentation (You)

Class List
 ✓ anand borkar
 ✓ prashant kade...
 ✓ Vvom Pandey
 34 of 42 participants
 Start: 10:33
 Duration: 100mins
 Google Meet Attendance - v0.7.1

You're presenting to everyone

Stop presenting

Participants:

- kgauri SIESGST
- babugeetika SIES GST
- pottekatpournami SIE...
- shardul SIESGST
- sruthipankajakshan SI...
- Pradyumn Joshi
- Aditya Ramakrishnan
- Akhilesh Naik
- srishtiravi SIES GST
- sistlasaisrivravya SIE...
- vishwakarmapoonam ...
- Anand Borkar
- Sai Pavani Lanka
- naregalvishal SIES GST
- reddybhavya SIES GST
- sowmya ganesan

Activate Windows
 Go to Settings to activate Windows.
 Turn on captions You are presenting

javasdp

Start a search

12:33 PM 6/25/2020

Google | Two Weeks Online Course and H... | Meet - wda-ddrc-dcs

meet.google.com/wda-ddrc-dcs?pli=1&authuser=0

REC You are presenting

12:48 PM Presentation (You)

Class List
 ✓ anand borkar
 ✓ prashant kade...
 ✓ Vvom Pandey
 34 of 42 participants
 Start: 10:33
 Duration: 100mins
 Google Meet Attendance - v0.7.1

Participants:

- Aditya Ramakrishnan
- Akhilesh Naik
- Anand Borkar
- babugeetika SIES GST
- Dhanvi Mange
- doki krishnaveni
- kartekeyaanraghavan ...
- karthiksridar SIES GST
- kgauri SIESGST
- kombeayushi SIESGST
- landgevedaanta SIES ...
- Mahitha Vaidyanathan
- manghinipun SIESGST
- mudaliannetra SIES GST
- nandita SIESGST
- pandaram parvati
- pottekatpournami SIE...
- Pradyumn Joshi
- reddybhavya SIES GST
- Sai Pavani Lanka
- sameeksharai SIES GST
- shardul SIESGST
- sistlasaisrivravya SIES...
- sneha dakam
- snehamurugesh SIES ...
- SONAL JATKAR
- sowmya ganesan
- srishtiravi SIES GST
- sruthipankajakshan SI...
- suvarnadrhuv SIES GST
- tiwarish...
- yadavsoundarya SIES ...

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12:48 PM 6/26/2020

2. Attendance report

Sr. No.	Name	Roll no.	Class	Branch	Date 15- Jun	Date 16- Jun	Date 17- Jun	Date 18- Jun	Date 19- Jun
1	Sneha Murugesh	119A3048	FE	IT	P	P	P	P	P
2	Netra Mudaliar	119A3033	FE	IT	P	P	P	P	P
3	Sruthi Pankajakshan	119A1087	FE	CE D	P	P	P	P	P
4	Nipun Manghi	119A1039	FE	CE	P	P	P	P	P
5	Nandita Nandakumar	119A1052	FE	CE	P	P	P	P	P
6	Pournami Pottekat	119A1058	FE	CE	P	P	P	P	P
7	Sai Sri Sravya Sistla	119A2066	FE	EXTC	P	P	P	P	P
8	Srishti Ravi	119A2081	FE	EXTC	P	P	P	P	P
9	Sameeksha Rai	119A2070	FE	EXTC	P	P	P	P	P
10	Anand Borkar	119A1015	FE	CE	P	P	P	P	P
11	Dhruv Suvarna	119A1021	FE	CE	P	AB	P	P	P
12	Aditya Ramakrishnan	119A1004	FE	CE	P	P	P	P	P
13	Yash Dhapola	119A1020	FE	CE	P	P	P	P	P
14	SNEHA PARNE	118A2078	SE	EXTC	P	P	P	P	P
15	PARVATI KRISHNAN	118A2075	SE	EXTC	P	P	P	P	P
16	Krishnaveni Doki	119A2032	FE	EXTC	P	P	P	P	P
17	Vedanta Landge	119A2037	FE	EXTC	P	P	AB	P	P
18	Akhilesh Naik	119A2045	FE	EXTC	P	P	P	P	P
19	Bhavya Reddy	119A2054	FE	EXTC	P	P	P	P	P
20	shruti tiwari	119A2085	FE	EXTC	P	P	P	P	P
21	Yadav Soundarya	119A2096	FE	EXTC	P	P	P	P	P
22	Poonam Vishwakarma	119A4023	FE	PPT	P	P	P	P	P
23	Vishal Naregal	119A2095	FE	EXTC	P	P	P	P	P
24	Pradyumn Joshi	119A2027	FE	EXTC	P	P	P	P	P
25	Vyom Pandey	119A2052	FE	EXTC	P	P	P	AB	P
26	K Gauri	119A1032	FE	CE	P	P	P	P	P
27	Geetika Babu	119A3019	FE	IT	P	AB	P	P	P
28	Ayushi Kombe	119A1013	FE	CE	P	P	P	P	P
29	Karthik Sridhar	119A3029	FE	IT	P	P	P	P	P
30	Kartekeyaan Raghavan	119A1035	FE	CE	P	P	P	P	P
31	Dhanvi Mange	119A3013	FE	IT	P	P	P	AB	P
32	Mahitha Vaidyanathan	119A3054	FE	IT	P	P	P	P	P
33	Pavani Lanka	119A3056	FE	IT	P	P	P	P	P
34	Sowmya Ganesan	117A2028	TE	EXTC	P	P	P	P	P
TOTAL PRESENT STUDENTS					34	32	33	32	34

Week 2 Attendance

Sr. No.	Name	Roll no.	Class	Branch	Date 22- Jun	Date 23- Jun	Date 24- Jun	Date 25- Jun	Date 26- Jun
1	Sneha Murugesh	119A3048	FE	IT	P	P	P	P	P
2	Netra Mudaliar	119A3033	FE	IT	P	P	P	P	P

3	Sruthi Pankajakshan	119A1087	FE	CE D	P	AB	P	P	P
4	Nipun Manghi	119A1039	FE	CE	P	P	P	P	P
5	Nandita Nandakumar	119A1052	FE	CE	P	P	P	P	P
6	Pournami Pottekat	119A1058	FE	CE	AB	P	P	P	P
7	Sai Sri Sravya Sistla	119A2066	FE	EXTC	P	P	P	P	P
8	Srishti Ravi	119A2081	FE	EXTC	P	P	P	P	P
9	Sameeksha Rai	119A2070	FE	EXTC	P	P	P	P	P
10	Anand Borkar	119A1015	FE	CE	P	P	P	P	P
11	Dhruv Suvarna	119A1021	FE	CE	P	P	P	P	P
12	Aditya Ramakrishnan	119A1004	FE	CE	P	P	P	AB	P
13	Yash Dhapola	119A1020	FE	CE	P	P	P	P	P
14	SNEHA PARNE	118A2078	SE	EXTC	P	P	P	P	P
15	PARVATI KRISHNAN	118A2075	SE	EXTC	P	P	P	P	P
16	Krishnaveni Doki	119A2032	FE	EXTC	P	P	P	P	P
17	Vedanta Landge	119A2037	FE	EXTC	P	P	P	P	P
18	Akhilesh Naik	119A2045	FE	EXTC	P	P	P	P	P
19	Bhavya Reddy	119A2054	FE	EXTC	P	AB	P	P	P
20	shruti tiwari	119A2085	FE	EXTC	P	P	P	P	P
21	Yadav Soundarya	119A2096	FE	EXTC	P	P	P	P	P
22	Poonam Vishwakarma	119A4023	FE	PPT	P	P	P	P	P
23	Vishal Naregal	119A2095	FE	EXTC	P	P	P	P	P
24	Pradyumn Joshi	119A2027	FE	EXTC	P	P	P	P	P
25	Vyom Pandey	119A2052	FE	EXTC	P	P	P	AB	P
26	K Gauri	119A1032	FE	CE	P	P	P	P	P
27	Geetika Babu	119A3019	FE	IT	P	P	P	P	P
28	Ayushi Kombe	119A1013	FE	CE	P	P	AB	P	P
29	Karthik Sridhar	119A3029	FE	IT	P	P	P	P	P
30	Kartekeyaan Raghavan	119A1035	FE	CE	P	P	P	P	P
31	Dhanvi Mange	119A3013	FE	IT	P	P	P	P	P
32	Mahitha Vaidyanathan	119A3054	FE	IT	P	P	P	P	P
33	Pavani Lanka	119A3056	FE	IT	AB	P	P	P	P
34	Sowmya Ganesan	117A2028	TE	EXTC	P	P	P	P	P
TOTAL PRESENT STUDENTS					32	32	33	32	34

List of Mini Projects of SDP

Sr. No.	Group No.	Name	Roll no.	Class	Branch	Project name	
1	G1	Sneha Murugesh	119A3048	FE	IT	Phonebook management	C++ topic
2		Netra Mudaliar	119A3033	FE	IT		
3		Sruthi Pankajakshan	119A1087	FE	CE D		

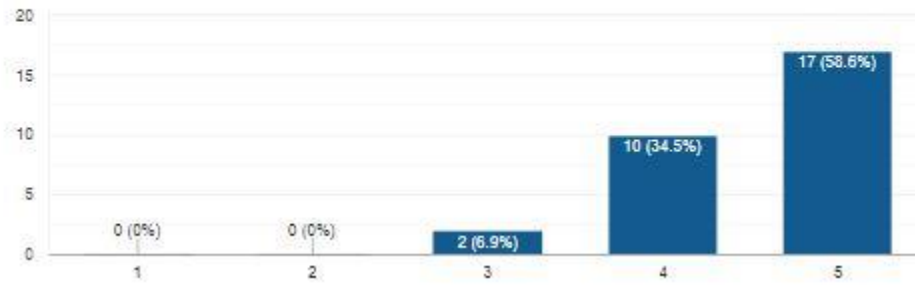
4	G2	Nipun Manghi	119A1039	FE	CE	Supermarket Billing System	C++ topic
5		Nandita Nandakumar	119A1052	FE	CE		
6		Pournami Pottekat	119A1058	FE	CE		
7	G3	Sai Sri Sravya Sistla	119A2066	FE	EXTC	School management system	Java topic
8		Srishti Ravi	119A2081	FE	EXTC		
9		Sameeksha Rai	119A2070	FE	EXTC		
10	G4	Anand Borkar	119A1015	FE	CE	Random Password Generator	Java topic
11		Dhruv Suvarna	119A1021	FE	CE		
12		Aditya Ramakrishnan	119A1004	FE	CE		
13		Yash Dhapola	119A1020	FE	CE		
14		SNEHA PARNE	118A2078	SE	EXTC	hangman game	C++ topic
15		PARVATI KRISHNAN	118A2075	SE	EXTC		
16	G6	Krishnaveni Doki	119A2032	FE	EXTC	ATM machine	Java topic
17		Vedanta Landge	119A2037	FE	EXTC		
18		Akhilesh Naik	119A2045	FE	EXTC		
19		Bhavya Reddy	119A2054	FE	EXTC		
20	G7	shruti tiwari	119A2085	FE	EXTC	Travel Agency Management System	C++ topic
21		Yadav Soundarya	119A2096	FE	EXTC		
22		Poonam Vishwakarma	119A4023	FE	PPT		
23		Vishal Naregal	119A2095	FE	EXTC		
24	G8	Pradyumn Joshi	119A2027	FE	EXTC	Patient Tracking	C++ topic
25		Vyom Pandey	119A2052	FE	EXTC		
26		K Gauri	119A1032	FE	CE		

27		Geetika Babu	119A3019	FE	IT		
28	G9	Ayushi Kombe	119A1013	FE	CE	Student database management	C++ topic
29		Karthik Sridhar	119A3029	FE	IT		
30		Kartekeyaan Raghavan	119A1035	FE	CE		
31	G10	Dhanvi Mange	119A3013	FE	IT	Movie Ticket Booking System	Java Topic
32		Mahitha Vaidyanathan	119A3054	FE	IT		
33		Pavani Lanka	119A3056	FE	IT		
34	G11	Sowmya Ganesan	117A2028	TE	EXTC	Quiz game	C++ topic

3. Feedback and Impact Analysis

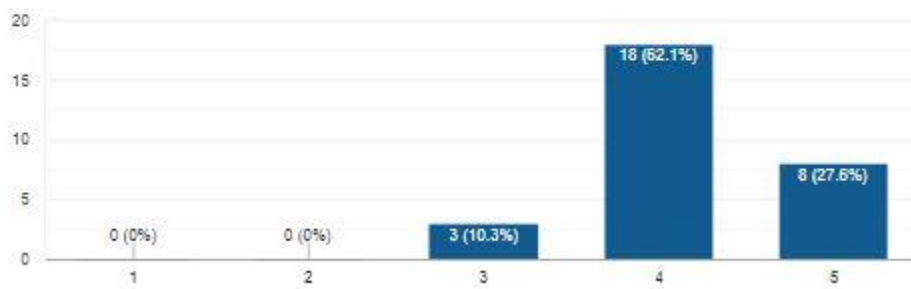
How relevant do you think it was for your future?

29 responses



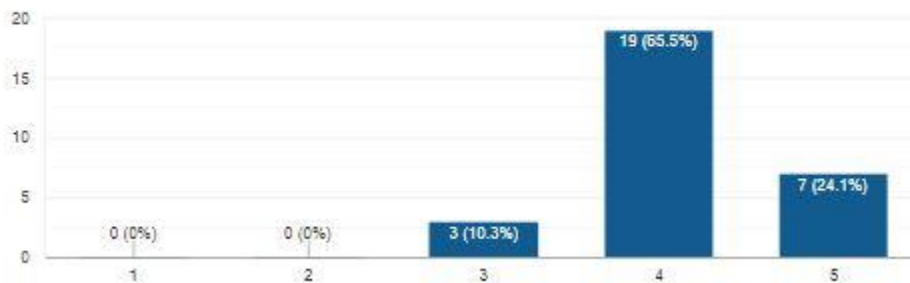
Effectiveness of the SDP

29 responses



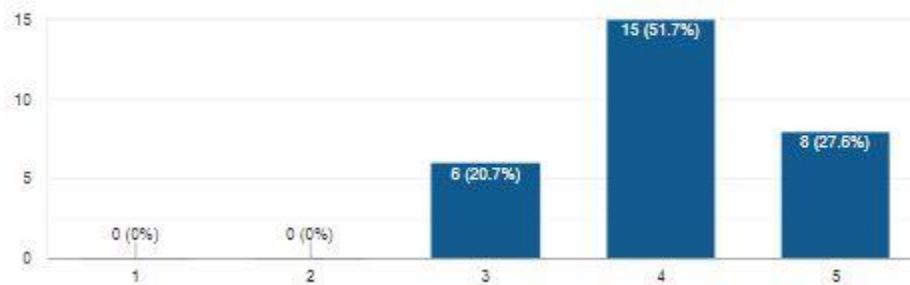
Content delivery by speakers

29 responses



Are you able to develop logic to write program

29 responses



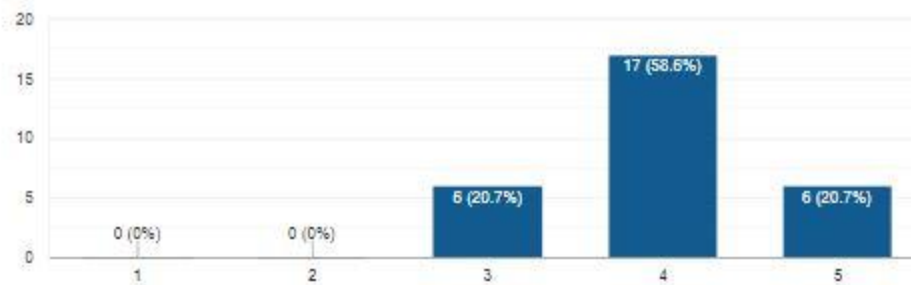
Are you able to write code in C,C++and Java language

29 responses



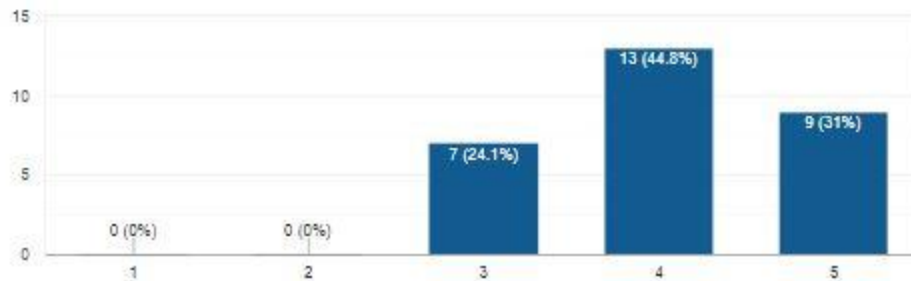
Are you able to apply the knowledge of C,C++and Java programming to solve different problems

29 responses



Are you able to identify classes and objects and the relationship among them for finding the solution to specific problem.

29 responses



How satisfied were you with the SDP?

29 responses



Impact Analysis

Students can develop the logic and write the code for different problem statements. Workshop helped students for placements and to do carrier in software field.

SIES Graduate School of Technology
Department of Computer Engineering
Organizing
Student Development Program and Internship
Blockchain Technologies and Applications
Dec 2-7, 2019, 10.00 AM to 5.00 PM

The widespread popularity of digital crypt-currencies has led the foundation of Blockchain, which is fundamentally a public digital ledger to share information in a trustworthy and secure way. The concept and applications of Blockchain have now spread from crypto-currencies to various other domains, including business process management, smart contracts, IoT and so on. This course covers both the conceptual as well as application aspects of Blockchain. This includes the fundamental design and architectural primitives of Blockchain, the system and the security aspects, along with various tools to implement the Blockchain for various application domains.

Objectives:

- Learn about Blockchain concept and crypto-currencies.
- Understand the concept and importance of Blockchain technology in Business
- Use of various tools to implement the Blockchain.

Course Contents:

- Basics of Blockchain Technology and Crypto-currency
- Permissioned and Permission-less Blockchain
- Consensus protocols and Algorithms.
- Implementation of Blockchain using JAVA
- Creating of SMART contract using solidity
- Design, Test and Deploy Secure Smart Contracts
- Creating of Block Chain Network using Hyperledger fabric
- Creating Blockchain applications using Hyperledger Composer platform

Who Should Attend: Any student from SE and TE (all branches)

Course Fees: Course is free of cost(only for SIES GST students)

Certification: Course completion and internship certificate is provided.

Internship: At the end of 5 days program participants will undergo 15 days internship covering developing secure web applications, identification of security threats and developing the security solution for various organizations (For ex: Bank Sector/Medical Sector/Insurance/IT Sector).

Outcome:

- This SDP is designed to provide solution of problem associated with the third party inclusion in transaction.
- This SDP will give insight on various tools used for Blockchain technology.
- This SDP will provide base for certification in the professional in the Blockchain technology.

Contact for Registration:

Prof. Rizwana Shaikh: rizwana.shaikh@siesgst.ac.in, 9619197014

Prof. Masooda Modak: masooda.modak@siesgst.ac.in 9833161007

Prof Kalyani P: kalyani.pampattiwari@siesgst.ac.in, 9819370257

Day wise schedule

Day	Session1 9:30-10:30	Session2 10:30-1	Session3 2:00-3:30	Session 4 3:30-5:00
02/12/2019	Introduction to Blockchain	Bitcoin and Blockchain	Hyperledger fabric Composer	Quiz
03/12/2019	Cryptography required for Blockchain	Public key cryptography	Markeley tree and Hash function	Quiz
04/12/2019	Introduction to solidity	Remix IDE framework	Sample contract	Quiz
05/12/2019	More examples in solidity	Banking Example	Currency exchange contract	Quiz
06/12/2019	Building a Blockchain using javascript	Accessing Blockchain using API	Consensus algorithms	Quiz
07/12/2019	Case study on Blockchain Identifying entities and other constructs		Selecting project title for internship	



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

Event Report

Student **Development Program on Blockchain Technologies and Applications**

Event Information

Event Type: Student Development Program

Event Title: Blockchain Technologies and Applications

Resource Persons: Dr. Rizwanashaikh, Prof. Masooda Modak, Prof. Kalyani Pampattiwar, Prof. Namrata Patel

Event Date: 02/12/2019 to 07/12/2019

Organized for: SE, TE Students

Organized by: Computer Engineering, SIES GST

Target Audience (Branch & Nos.): Undergraduate Students (CE : 25 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 02/12/2019 to 07/12/2019 for SE/TE students.

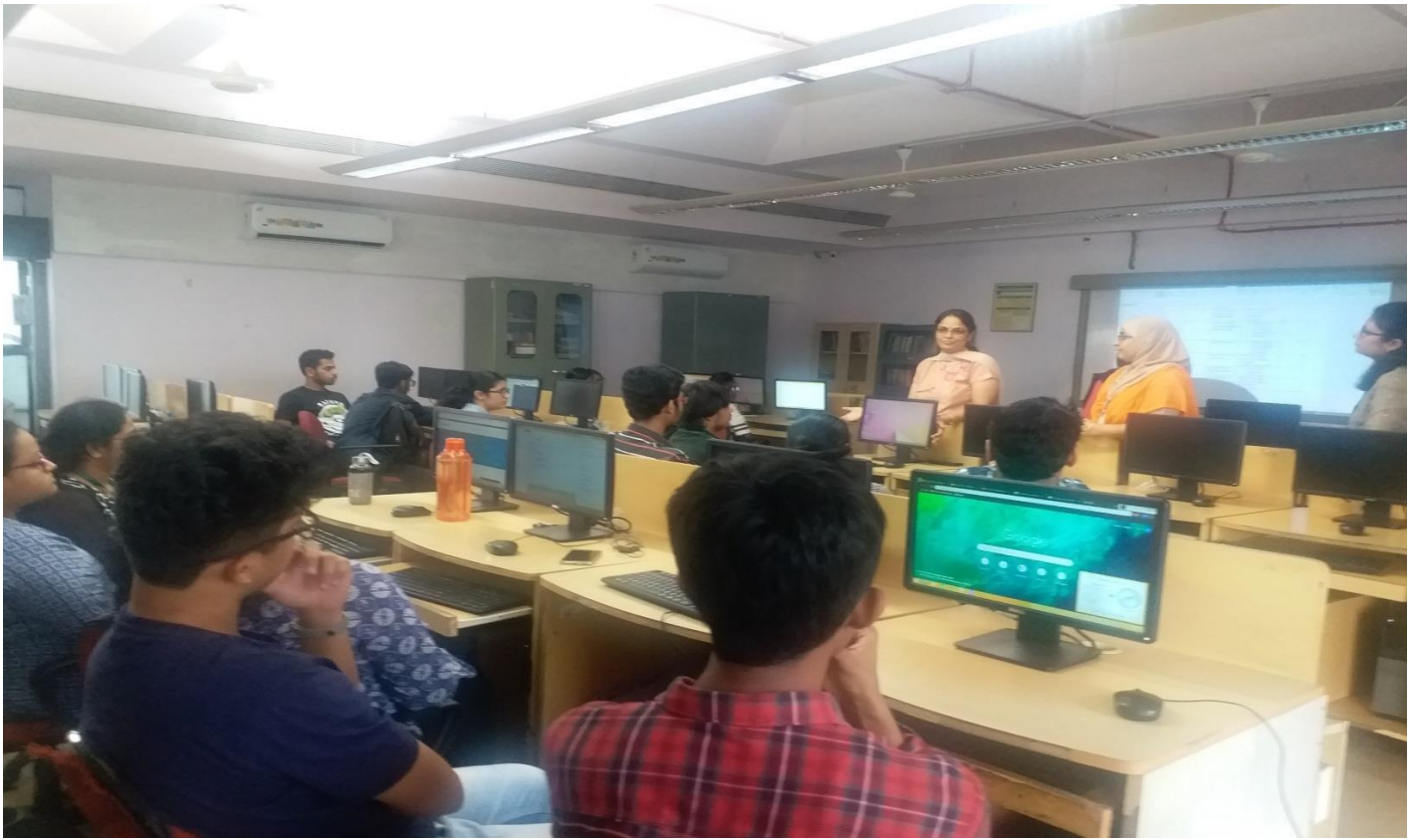
Dr. Aparna Bannore, HOD CE has addressed the students about the overview of program and internship to be conducted. She explained the benefits of learning security and blockchain. Also various career opportunities available in the field of security.

Around 25 participants from SE and TE attended the SDP . Entire program was carried out in six days span. Everyday's session is divided into two halves morning and afternoon.

The Sessions started with covering basics of Security and need of Blockchain. Various tools were identified and studied along with the demonstration. A sample project in the form of mini project is the expected outcome of the course.

The first day morning session conducted by Dr.Rizwanashaikh. She has covered Introduction to blockchain, followed by afternoon session by Prof.Kalyani P on Cryptography required for Blockchain. She continued the session on second day based on Public key cryptography and Markeley tree and Hash function. Day 2 afternoon session conducted by Dr. Rizwana on Hyperledger fabric Composer. Day 3 session was conducted by prof. MasoodaModak on Introduction to solidity, Remix IDE framework and Sample contract. Day 4 session was continued by her on More examples in solidity, banking example and Currency exchange contract.Day 5 session was delivered by Prof. Namrata Patel on Building a Blockchain using javascript, Accessing Blockchain using API and Consensus algorithms. Day 6 was conducted by Dr. Rizwana Shaikh on Case study on Blockchain and at the end intership project topics were discussed with students. Students have been given 15 days time to complete their project. Vote of thanks was presented by HOD CE, Dr. Aparna Bannore.

1. Photographs (in JPEG/PNG):

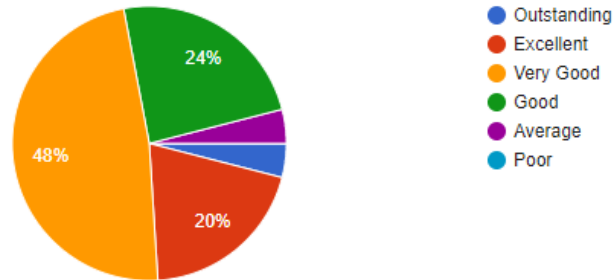




Feedback Analysis

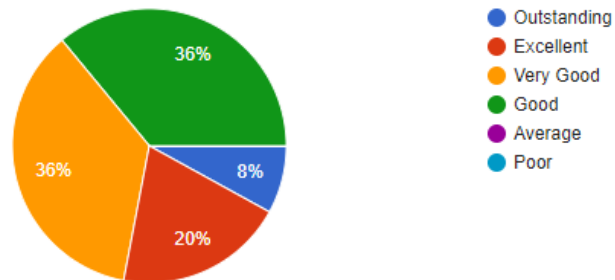
1. General impression about the content of the course?

25 responses



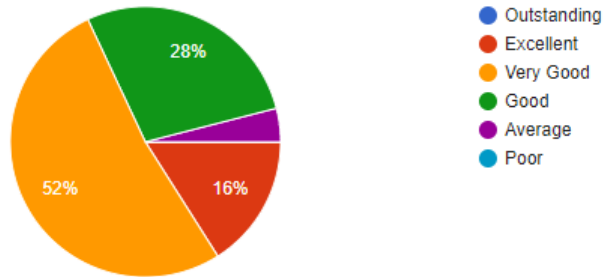
2. How well did the content address your expectations?

25 responses



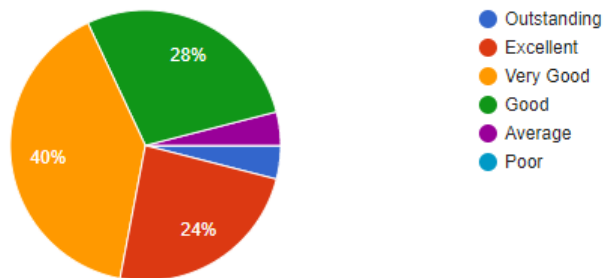
3. How do you rate the quality of content presented?

25 responses



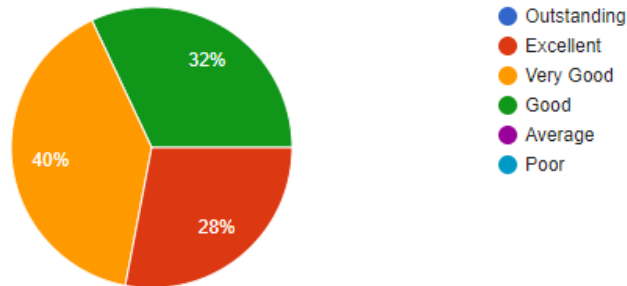
4. How relevant was the content to your profession?

25 responses



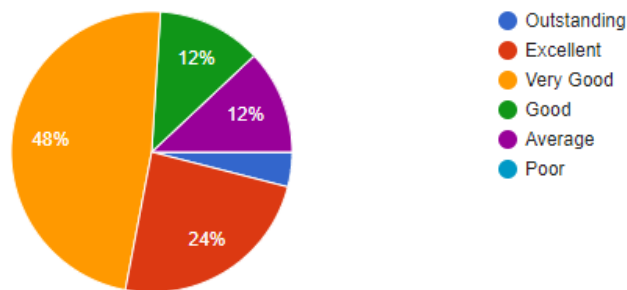
5. How do you rate the amount of content presented?

25 responses



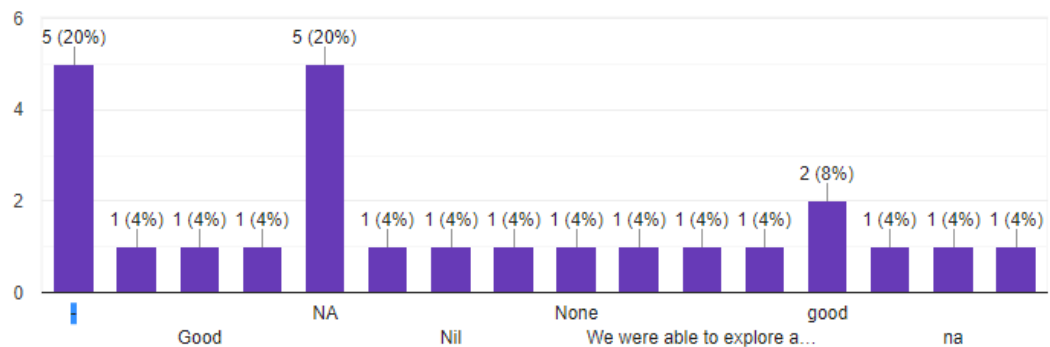
6. How do you rate hands on experience of this lab session?

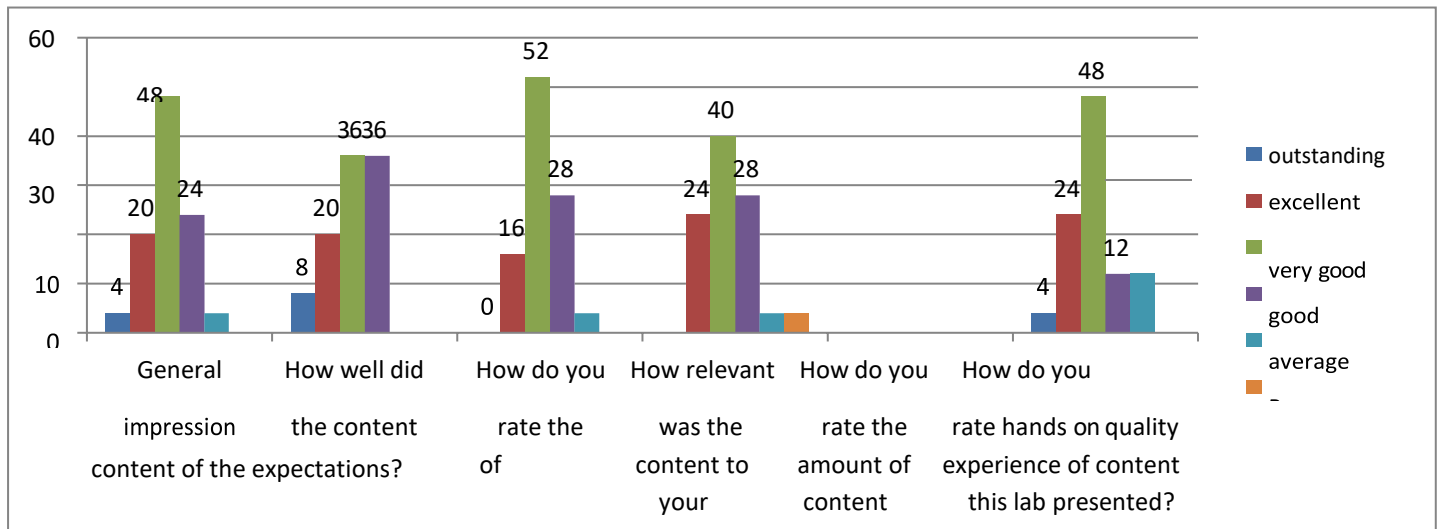
25 responses



7. Other comments about the event's content

25 responses

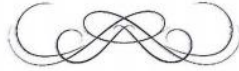




Impact Analysis:

1. Students got exposure to upcoming applications of Blockchain technology.
2. They have learnt the concepts which are beyond their curriculum.
3. As a outcome of it in their internship students have developed a mini project based on concepts they have learnt during these six days.

9th
Legend



CR.No.CE/S42019/SPP/24

CERTIFICATE

OF COMPLETION

This is to certify that

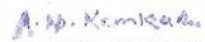
Mr./Ms. *Pradhan Sahil Amarendra*

has successfully completed the course on
"Blockchain Technology and Applications"

and fifteen days internship from 2nd Dec to 7th Dec , 2019 held at
SIES Graduate School of Technology. During internship he/she has successfully
completed project titled *Supply Chain and Logistics*.


DR. RIZWANA SHAIKH
COURSE COORDINATOR


DR. APARNA BANNORE
HOD , CE DEPT.


DR. ATUL KEMKAR
PRINCIPAL, SIES GST



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

SIES Graduate School of Technology
Department of Computer Engineering
Organizing
Student Development Program and Internship
Blockchain Technology
June 15-20, 2020, 10.00 AM to 5.00 PM

The widespread popularity of digital crypt-currencies has led the foundation of Blockchain, which is fundamentally a public digital ledger to share information in a trustworthy and secure way. The concept and applications of Blockchain have now spread from crypto-currencies to various other domains, including business process management, smart contracts, IoT and so on. This course is a covers both the conceptual as well as application aspects of Blockchain. This includes the fundamental design and architectural primitives of Blockchain, the system and the security aspects, along with various tools to implement the Blockchain for various application domains.

Course Objectives:

- Learn about the concept of Blockchain and crypto-currencies.
- Understand the importance of Blockchain technology in Business
- Use of various tools to implement the Blockchain.

Course Outcome:

After This Course the students should be able to:

- Identify the problem of security associated with the third party inclusion in transaction.
- Identifying the need for Blockchain Technology in various use cases.
- Demonstrate the various tools used for Blockchain technology.
- Implementing Blockchain in any security application.

Course Contents:

- Basics of Blockchain Technology and Crypto-currency
- Permissioned and Permission-less Blockchain
- Consensus protocols and Algorithms.
- Implementation of Blockchain using JAVA
- Creating of SMART contract using solidity
- Design, Test and Deploy Secure Smart Contracts
- Creating of Block Chain Network using Hyperledger Composer platform
- Implementing block chain using Node JS
- Creating the Ethereum Blockchain using a Tool.

Who Should Attend: Any student from SE/TE (CE/IT)

Course Fees: Course is free of cost (only for SIES GST students)

Certification: Course completion and internship certificate is provided.

Internship: At the end of 6 days program participants will undergo 15 days internship covering developing secure web applications, identification of security threats and developing the security solution for various organizations (For ex: Bank Sector/Medical Sector/Insurance/IT Sector).

Registration link:

https://docs.google.com/forms/d/e/1FAIpQLSe-ujQPPtqZNVSVhvdKSJh7brVRSqqARJYlz_ZdeB_YXDbXwA/viewform?usp=sf_link

Contact for Registration:

Prof. Rizwana Shaikh: rizwana.shaikh@siesgst.ac.in, 9619197014
Prof. Masooda Modak: masooda.modak@siesgst.ac.in 9833161007
Prof Kalyani P: kalyani.pampattiar@siesgst.ac.in, 9819370257

Day Wise Schedule:

Date	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Resource person	Dr,Rizwana Shaikh	Ms. Kalyani Pampattiwar	Ms. Masooda Modak	Ms. Namrata Patel	Dr. Rizwana Shaikh	NA
Time	10 am to 1:30 pm	10 am to 1:30 pm	10 am to 1:30 pm	10 am to 1:30 pm	10 am to 1:30 pm	10:00 am to 5:00 pm
	Introduction to Blockchain, Applications and advantages Bitcoin: Introduction Cryptocurrency and applications	Cryptography and Cryptanalysis, Use of cryptography in Blockchain, Symmetric key cryptography, Asymmetric key cryptography, RSA cryptosystem with example.	What are Smart Contracts? Key Properties of smart Contracts, Language for Smart Contracts.	Environment setup for blockchain development Constructor function explanation Prototype explanation,Creating new Transaction,	Ethereum components, features, Wallets, Transactions, Public & Private keys	

Assignment/ Activity	Case Study of Bitcoin and Blockchain	Quiz on cryptography basics	Design of Smart Contracts	Generate hash when nonce is 7890 Current block data having two transactions George sent Jacob 345666 Shyam sent ram 34123 Take previous block hash as "23986yasjdasu dyr326gyajsd" Generate hash value by changing atleast one string in any of above value.	Implement ation of Blockchain using Ethereum, creating wallet, writing transaction, mining and generating crypto currency
Time	1:30 pm to 5 pm	1:30 pm to 5 pm	1:30 pm to 5 pm	1:30 pm to 5 pm	1:30 pm to 5 pm
	Components of blockchain , Types of blockchain and applications, Blockchain Structure, How Blockchain Works , Smart Contracts , Various implementat ion tools.	Cryptographic Hash function, Hash Chain, Merkle Tree, Digital signature, Cryptocurrenc y using hash, chain and digital signature.	Deploying Smart Contracts, Using Metamask for transfer of ethers	Adding hash block,Creatingan d Testing proof of work, Adding nonce and mining the transaction,Crea ting Genesis block	Projects topics to be selected for Internship after discussion with All Trainers

Assignment/ Activity	Hyperledger r Composer- creating blockchain network for business application	Demo of SHA256 and other cryptographi c tools, Assignment on RSA cryptosystem	Test, and deploy secure Smart Contracts	Creating Blockchain from javascript and node js	Two assignmen ts and two quizzes	
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SIES Graduate School of Technology
Sri Chandrasekarendra Saraswati Vidyapuram
Sector 5, Nerul, Navimumbai-400706

Department of Computer Engineering

Event Report

Student Development Program on Blockchain Technology

Event Information

Event Type: Student Development Program

Event Title: Blockchain Technology

Resource Persons: Dr.Rizwanashaikh, Prof.MasoodaModak, Prof.KalyaniPampattiwari, Prof.Namrata Patel

Event Date: 15/06/2020 to 20/06/2020

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

Organized by: Computer Engineering, SIES GST

Target Audience (Branch & Nos.): Undergraduate Students (CE/IT/EXTC : 13 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 15/06/2020 to 20/06/2020 for SE/TE students.

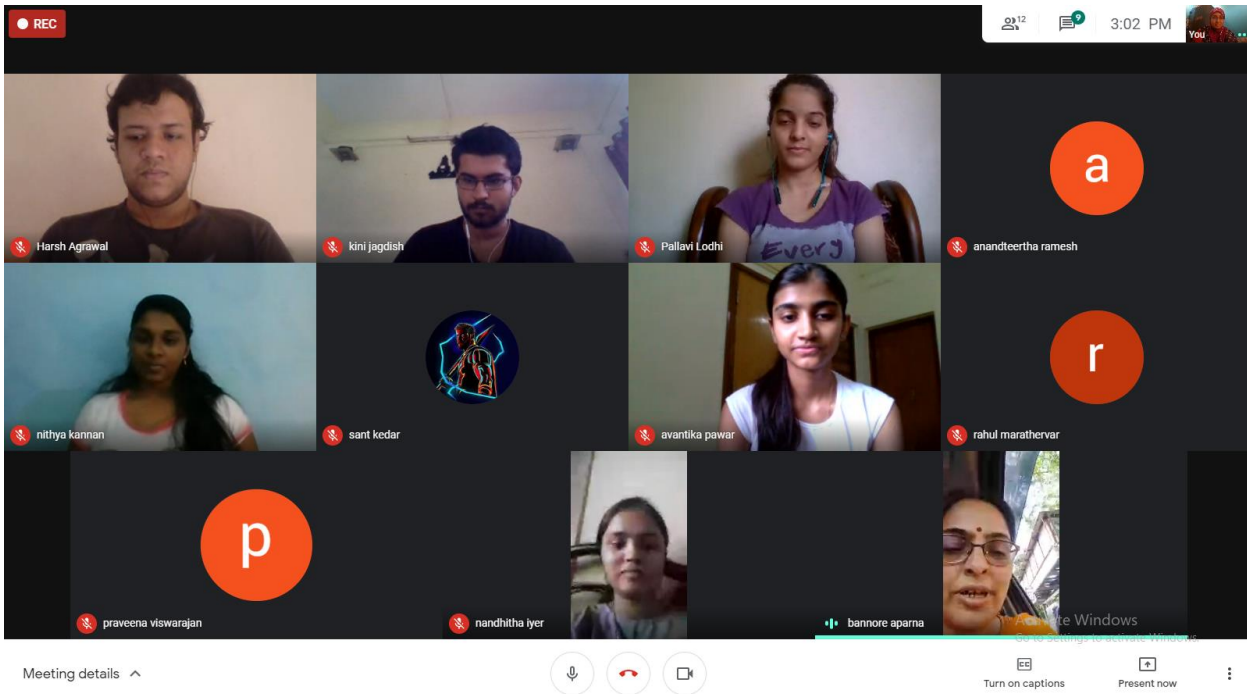
Dr. Aparna Bannore, HOD CE has addressed the students about the overview of program and internship to be conducted. She explained the benefits of learning security and blockchain. Also various career opportunities available in the field of security.

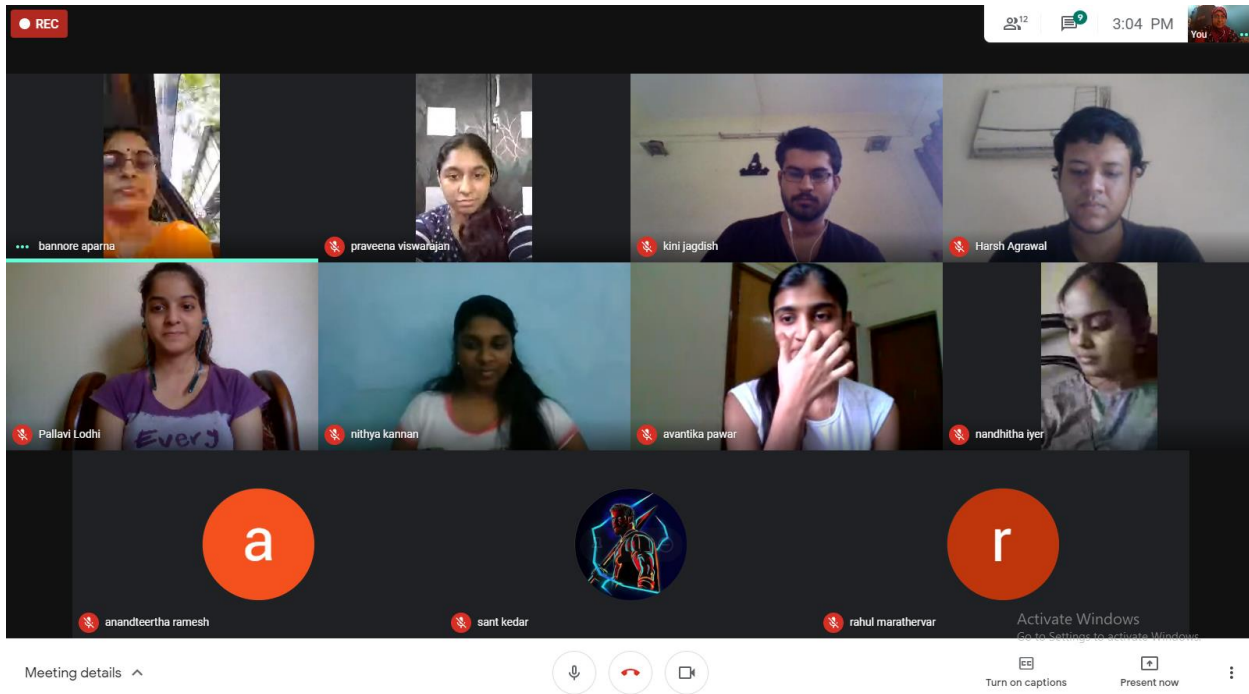
Around 13 participants from SE and TE attended the SDP. Entire program was carried out in six days span. Eveready's session is divided into two halves morning and afternoon.

The Sessions started with covering basics of Security and need of Blockchain. Various tools were identified and studied along with the demonstration. A sample project in the form of mini project is the expected outcome of the course.

The first day session was conducted by Dr. Rizwana Shaikh. She has covered Introduction to blockchain, Bitcoin: Introduction Cryptocurrency and applications followed by afternoon session on Smart Contracts, Various implementation tools. Second day session was conducted by Prof. Kalyani Pampattiwar on Cryptography required for Blockchain, Public key cryptography and Merkle tree and Hash function. Day 3 session was conducted by prof. Masooda Modak on Introduction to solidity, Remix IDE framework and Sample contract., Deploying Smart Contracts, using Metamask for transfer of ethers.. Day 5 session was delivered by Prof. Namrata Patel on Building a Blockchain using javascript, Accessing Blockchain using API and Consensus algorithms. Day 6 was conducted by Dr. Rizwana Shaikh on Case study on Blockchain and at the end internship project topics were discussed with students. Students have been given 15 days time to complete their project. Vote of thanks was presented by HOD CE, Dr. Aparna Bannore. She has congratulated all the students for attending the SDP with full enthusiasm.

1. Photographs (in JPEG/PNG):





2. Attendance and Feedback Report (Scanned copy):

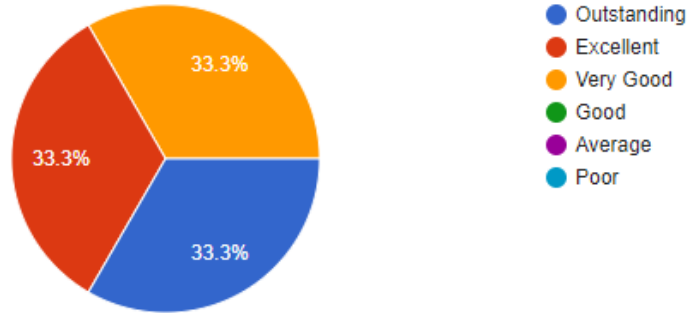
Attendance report for SDP on "Blockchain Technology" (15/06/2020 to 20/06/2020)

Sr. No.	Roll No.	Class	Name	15-06-2020	16-06-2020	17-06-2020	18-06-2020	19-06-2020	20-06-2020
1	118A1067	SE CE D	Anandteertha Ramesh Rao	P	P	P	P	P	P
2	117A3038	TE-IT	Avantika Pawar	P	P	P	P	P	P
3	117A2005	TE EXTC A	Harsh Agrawal	P	P	P	P	P	P
4	117A1031	TE-CE-C	Kini Jagdish	P	P	P	P	P	P
5	117A3012	TE-IT	Nandhitha Iyer	P	P	P	P	P	P
6	117A3035	TE-IT	Nithya Kannan	P	P	P	P	P	P
7	118A2054	SE EXTC	Pallavi Lodhi	P	P	P	P	P	P
8	117A3043	TE-IT	praveena viswarajan	P	P	P	P	P	P
9	117A3026	TE-IT	Rahul marathervar	P	P	P	P	P	P
10	118A1074	SE CE D	sant kedar	P	P	P	P	P	P
11	118A2049	SE EXTC	Sumaiya Khan	P	P	P	P	P	P
12	118A1059	CE SE D	Girish Parulkar	P	P	P	P	P	P
13	118A3055	SE-IT	Pooja Shetty	P	P	P	P	P	P

3. Feedback Analysis

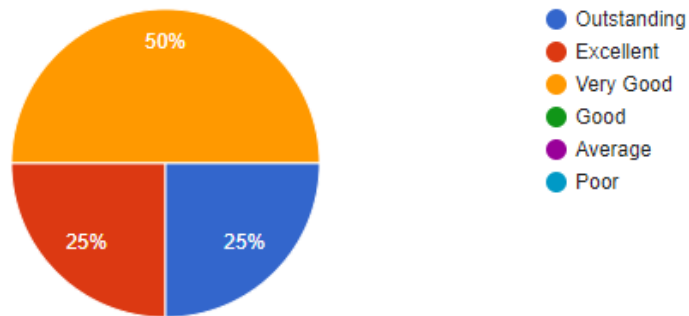
1. General impression about the content of the course?

12 responses



2. How well did the content address your expectations?

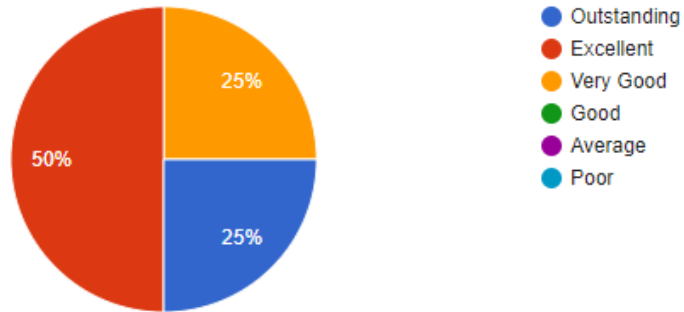
12 responses



3. How do you rate the quality of content presented?

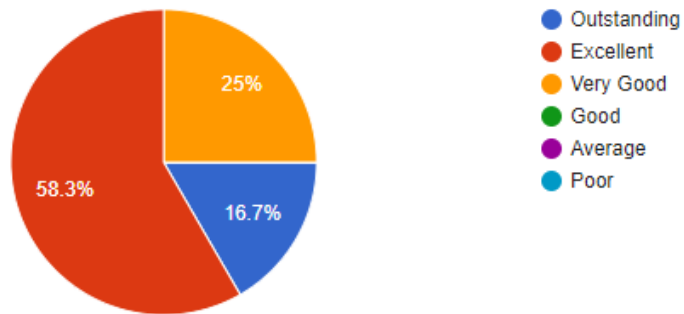


12 responses



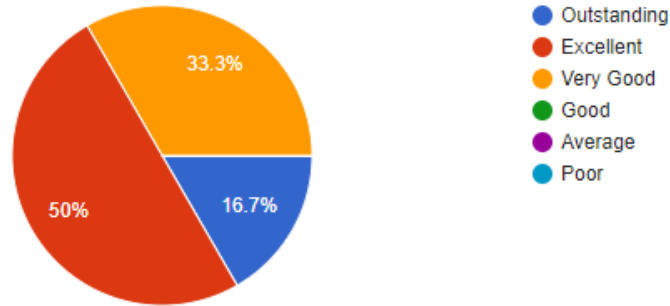
4. How relevant was the content to your profession?

12 responses



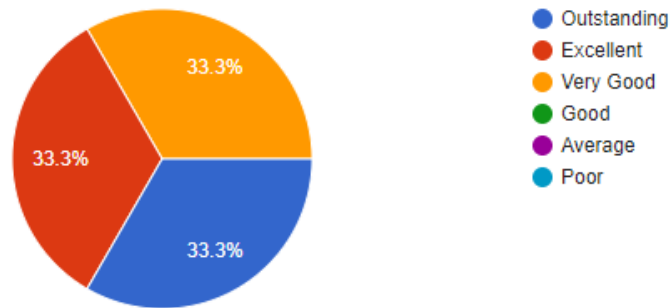
5. How do you rate the amount of content presented?

12 responses



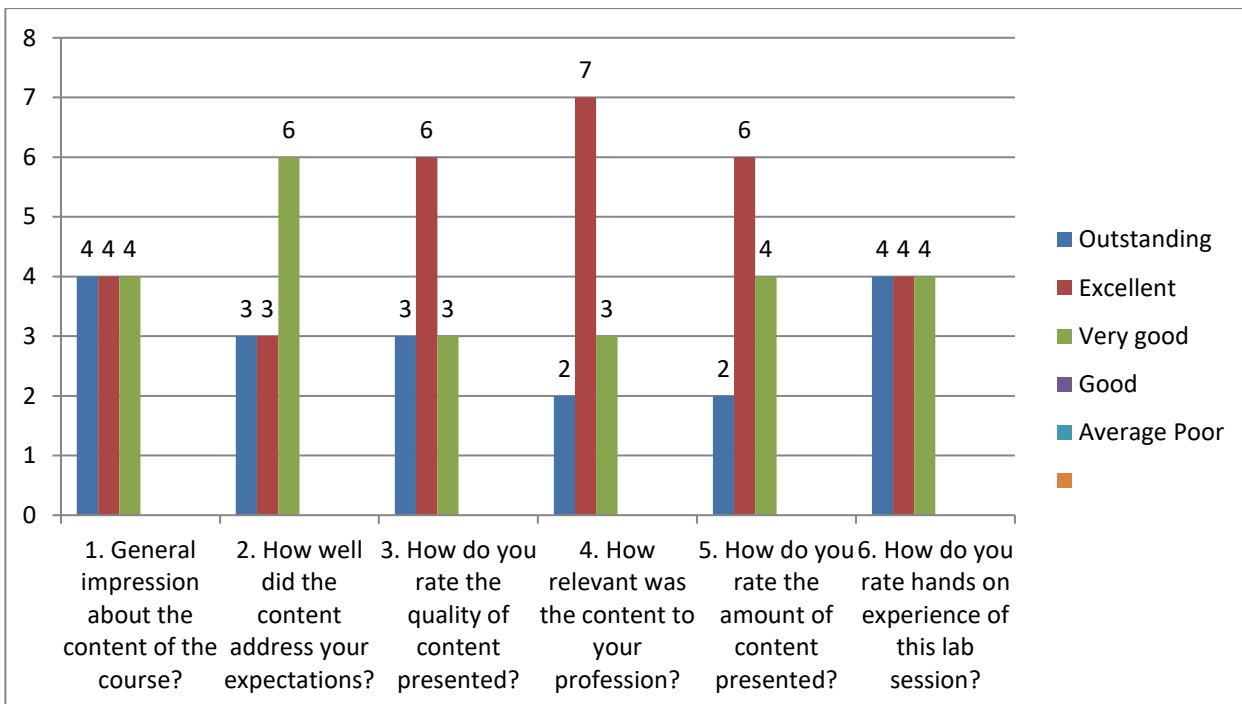
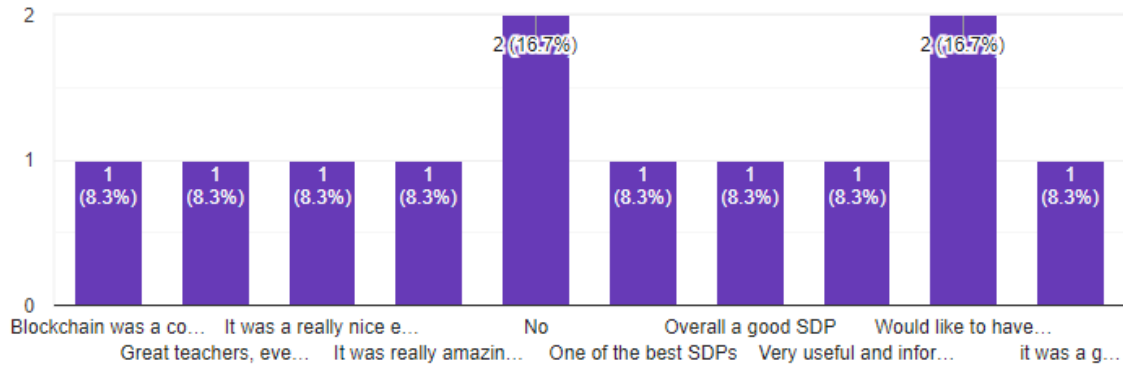
6. How do you rate hands on experience of this lab session?

12 responses



7. Other comments about the event's content

12 responses





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

4. Impact Analysis:

1. Students got exposure to upcoming applications of Blockchain technology.
2. They have learnt the concepts which are beyond their curriculum.
3. As a outcome of it in their internship students have developed a mini project based on concepts they have learnt during these six days.

Department of Computer Engineering



One week Student development
program on **Network Security &
Ethical Hacking**

From Dec 16-21 ,2019

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 Network Security & Ethical Hacking for Second year students of CE branch from Dec 16-21, 2019 with 15 days of internship.

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:

First year engineering students from EXTC/CE/IT/MECH branch. Total 17 participants have attended the program.

Session: Major topics covered during the workshop are

- 1) Basics of Networking Hackby.Prof.Kalyani P
- 2) Scanning and sniffing using open source tools by Prof.SuvarnaChoure
- 3) Password cracking by Prof.SuvarnaChoure
- 4) Metasploit FrameworkProf.Aparna Bannore
- 5) Introduction to Blockchain : Dr. Rizwana Shaikh
- 6)SQLInjection,CSS and Malware detection by Prof.UjwalaRavale
- 7) Browser Exploitation by Dr. Vijay katkar

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

The topics were Project 1) Metasploit: for hacking windows XP system using Kali linux

Project 2: Keyloggerkeylogger(windows OS)

Project3: Steganography using windows Os using Openstego

Project4: Angry Ip scanner(Windows OS)

Project5: Web vulnerability scanner :netSparkar

Project6: SQLmap using Kali Linux

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:





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.

SIES Graduate School of Technology

Organizing

Student Development Program and Internship

6 days Hands on Training on

Network Security and Ethical Hacking

Dec 16-21, 2019, 10.00 AM to 5.00 PM

The design and implementation of energy efficient future generation communication and networking technologies also require the clever research. Advances in Computer Communications and Networks: from Green, Mobile, Pervasive Networking to Big Data Computing require strong base in the area of networking. Emerging threats emphasize the need for real-world assessment of an organization's security posture. 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 Network Security and Ethical Hacking.

Objectives:

- Learn about network concept and designing of network for organization.
- Hands-on experience of Ethical Hacking tools using Kali Linux.
- Practical real time demonstration of the latest Hacking Techniques, methodologies, tools.

Course Contents:

- Introduction to Computer Network and Security
- Routing and Switching protocol.
- Introduction to Ethical hacking, Network sniffing and spoofing tools.
- Exploitation tools- Metasploit, Password cracking and Steganography.

Who Should Attend: Any student from SE (all branches)

Course Fees: Free for SIES GST students / Others Rs.1000

Certification: in collaboration with 9thLegend Inc.

Internship: At the end of 5 days program participants will undergo 15 days internship covering developing secure web applications, identification of security threats and developing the security solution for various organizations (For ex: Bank Sector/Medical Sector/Insurance/IT Sector).

Outcome: This SDP is designed to provide solution of organizations Network structure.

- This SDP will give insight on various routing and switching technology.
- This SDP will provide base for certificated ethical hacker, certified penetration tester.

Contact for Registration:

Prof. Aparna Bannore: bannore.aparna@siesgst.ac.in, 9920809635

Prof. SuvarnaChahre: suvarna.kendre@siesgst.ac.in, 9769455405

Students Development Program on Network Security and Ethical Hacking

(Dec 2019)

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 16/12/2019	Introduction to Computer Network (OSI model/TCP Model/Devices at each layer KNP	/IP addressing/Subnetting) KNP	CISCO topology built up SKP	Static routing SKP	quiz
Day 2 17/12/2019	Dynamic Routing, Switching <i>Basic configuration of Layer 2 manageable switch</i> UNR	Switching UNR	D-Link <i>Basic configuration of Layer 2 manageable switch</i> SKP		Quiz
Day 3 18/12/2019	Introduction to security Ethical hacking Aparna Bannore	Initial Commands demonstration and handson 1)Dig 2)whois 3)tracert 4)ifconfig	Sniffing using wireshark Tcpdump +Assignment on sniffing Suvarna VChare	Assignment on sniffing SVC	
Day4 19/12/2019	Kali linux installation Backtrack Metasploit AMB	Exploiting winxp system	Virus, steganography KNP	Key logger Lab work KNP	
Day5 20/12/2019	SQL injection UNR	SQL map UNR	Vulnerability assessment using Nessus UNR	Quiz	
Day 6 21/12/2019	Network Spoofing using nmap, Zenmap Amb	Password cracking John the ripper SVC			

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SIES Graduate School of Technology

Organizing

Student Development Program and Internship

6 days Hands on Training on

Network Security and Ethical Hacking

Dec, 2019

List of Project

Sr. no	Title of Project	Student Name	Name of faculty	Signature
01	Angry IP scanner(Windows OS)	Anagha Jadhav Roma Rai	Ujwala R	
02	John the Ripper (Kali Linux)	Shaikh Nifa Damian Pillai	Suvarna C	
03	Demonstration of Burp Suite	Aditya Borude Sakshi Mahadik	Suvarna C	
04	Keyloggers (windows OS)	Deepthi S Thrishapriya S	Kalyani P	
05	Metasploit: for hacking windows XP system using Kali linux	Sonali Sarkar		

		Priyanka Paulraj	Aparna B	
06	Steganography on image using kali linux	Vineet Anant Iyer Vignesh Mudaliar	Kalyani P	
07	Steganography using windows Os using Openstego	Artha Pillai Sachi Patankar	Kalyani P	
08	Web vulnerability scanner :netSparkar	Nambi Yadav Arun Kumar Pandi	Ujwala R	
09.	Network miner	Vishak Kodethur Tushant Gokhe	Suvarna C	

List of Project

Sr. no	Title of Project	Student Name	Name of faculty	Certificate No.
01	Angry IP scanner(Windows OS)	Anagha Jadhav Roma Rai	Ujwala R	CR No.CE/SH2019/SDP/27 CR No.CE/SH2019/SDP/28
02	John the Ripper (Kali Linux)	Shaikh Nifa Damian Pillai	Suvarna C	CR No.CE/SH2019/SDP/29 CR No.CE/SH2019/SDP/30
03	Demonstration of Burp Suite	Aditya Borude Sakshi Mahadik	Suvarna C	CR No.CE/SH2019/SDP/31 CR No.CE/SH2019/SDP/32
04	Keyloggers (windows OS)	Deepthi S Thrishapriya S	Kalyani P	CR No.CE/SH2019/SDP/33 CR No.CE/SH2019/SDP/34

05	Metasploit: for hacking windows XP system using Kali linux	Sonali Sarkar Priyanka Paulraj	Aparna B	CR No.CE/SH2019/SDP/35 CR No.CE/SH2019/SDP/36
06	Steganography on image using kali linux	Vineet Anant Iyer Vignesh Mudaliar	Kalyani P	CR No.CE/SH2019/SDP/37 CR No.CE/SH2019/SDP/38
07	Steganography using windows Os using Openstego	Artha Pillai Sachi Patankar	Kalyani P	CR No.CE/SH2019/SDP/39 CR No.CE/SH2019/SDP/40
08	Web vulnerability scanner :netSparkar	Nambi Yadav Arun Kumar Pandi	Ujwala R	CR No.CE/SH2019/SDP/41 CR No.CE/SH2019/SDP/42
09.	Network miner	Vishak Kodethur Tushant Gokhe	Suvarna C	CR No.CE/SH2019/SDP/43 CR No.CE/SH2019/SDP/44

Certificate:

9th
Legend



CR No.CE/

CERTIFICATE

OF COMPLETION

This is to certify that

Mr./Ms. _____

has successfully completed the course on
“Network Security and Ethical Hacking”

and fifteen days internship from 16th Dec to 21st Dec, 2019 held at
SIES Graduate School of Technology. During internship he/she has successfully
completed project titled _____.

MS, SUVARNA CHAURE
COURSE COORDINATOR

DR. APARNA BANNORE
HOD , CE DEPT.

DR. ATUL KEMKAR
PRINCIPAL, SIES GST



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

Industry Institute Interaction Cell

AICTE CII Survey Curriculum(Student) Input Activity Report

Title of the Activity

(Student Internship/Student Industrial Visit/Visiting faculty from Industry/Guest Lecture)

Event Information

Event Type: Student Development Program

Event Topic : Ethical Hacking & Security

Name of the Resource Person: Dr. Aparna B, Ms. Suvarna Chaure, Ms.Ujawala Ravale, ms. Kalyani P.

Industry Affiliation: SIESGST

Event date: 15/06/2020

Organized for: FE and SE Students

Organized by: Dr. Aparna B, Ms. Suvarna Chaure

No of Students attended: 31

Attachments: 1. Event Description (Maximum 500 words including major areas covered)
2. Photographs
3. Impact Analysis

Event Description

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 First and second year students of EXTC/CE/IT/MECH branch from June 15-20, 2020 with 15 days of internship.

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:

First year and second year engineering students from EXTC/CE/IT/MECH branch. Total 31 participants have attended the program.

Session: Major topics covered during the workshop are

- 1) Basics of Networking Hackby.Prof.Kalyani P
- 2) Scanning and sniffing using open source tools by Prof.SuvarnaChoure
- 3) Password cracking by Prof.SuvarnaChoure
- 4) Metasploit Framework: Prof.Aparna Bannore
- 5) Introduction to open WASP : Prof. Ujwala Ravale
- 6)SQLInjection,CSS and Malware detection by Prof.UjwalaRavale
- 7) Virus Demonstration : Kalyani P

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

The topics were Project 1) Metasploit: for hacking windows XP system using Kali linux

Project 2: Keyloggerkeylogger(windows OS)

Project3: Steganography using windows Os using Openstego

Project4: Angry Ip scanner(Windows OS)

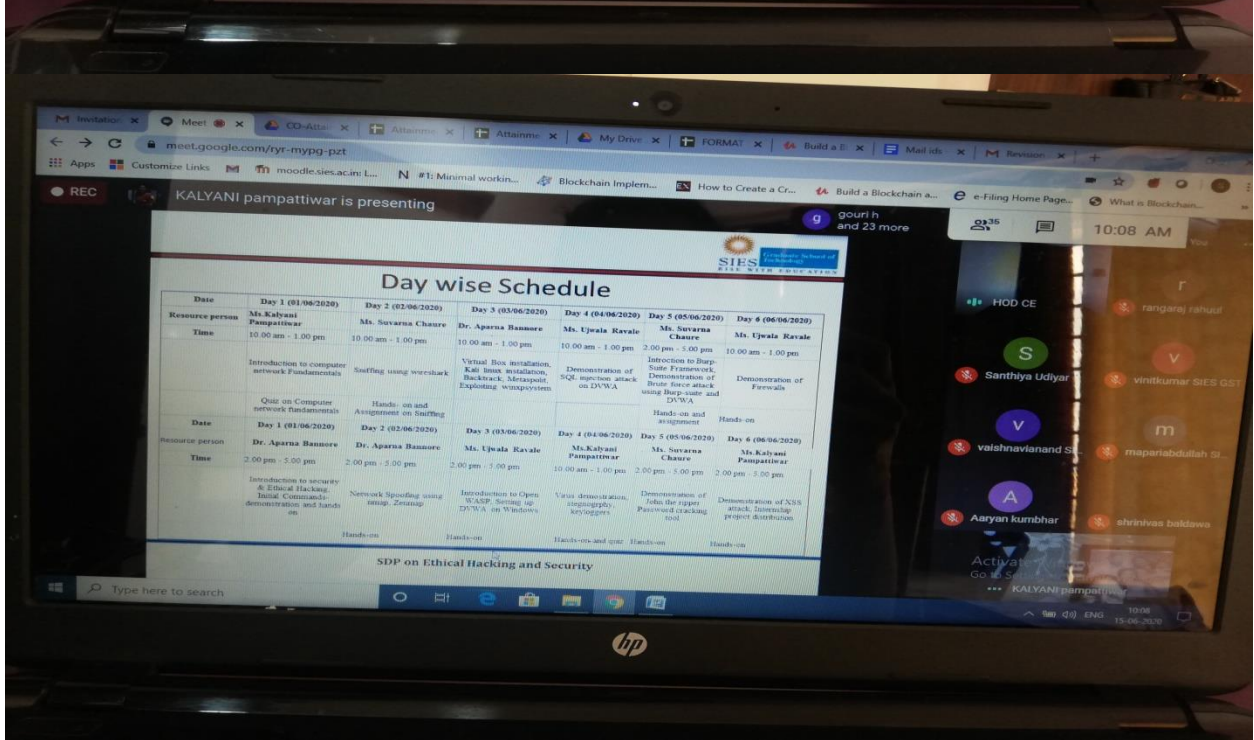
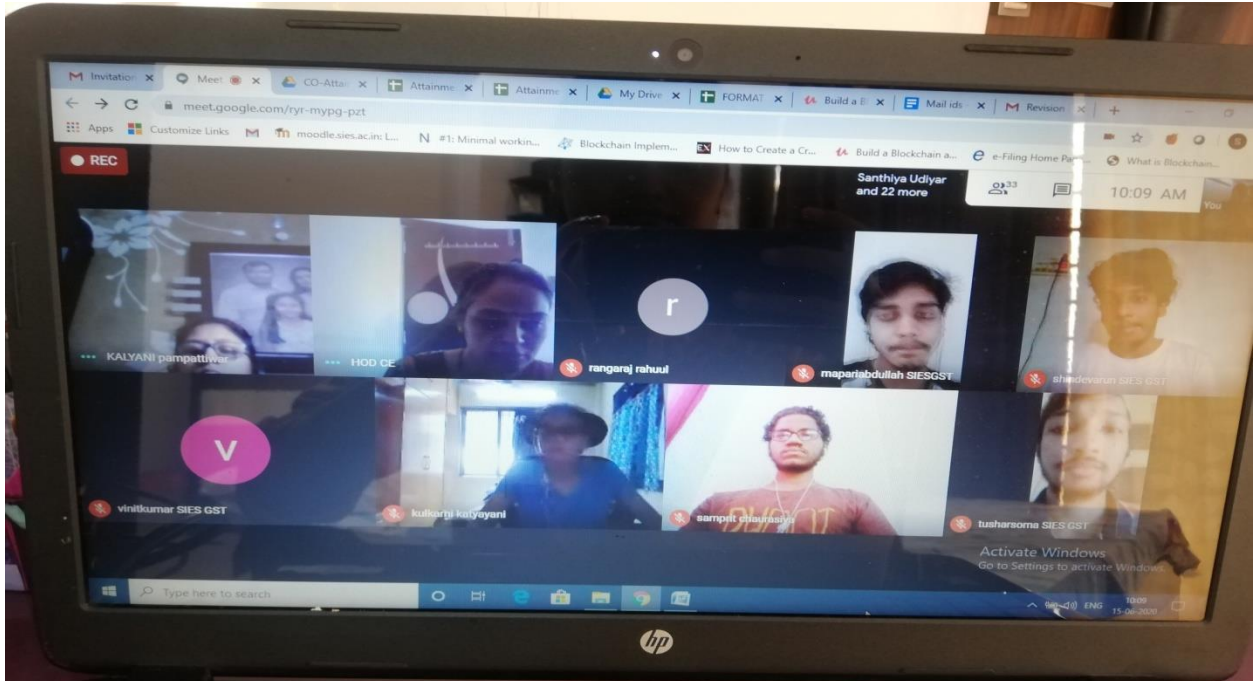
Project5: Web vulnerability scanner :netSparkar

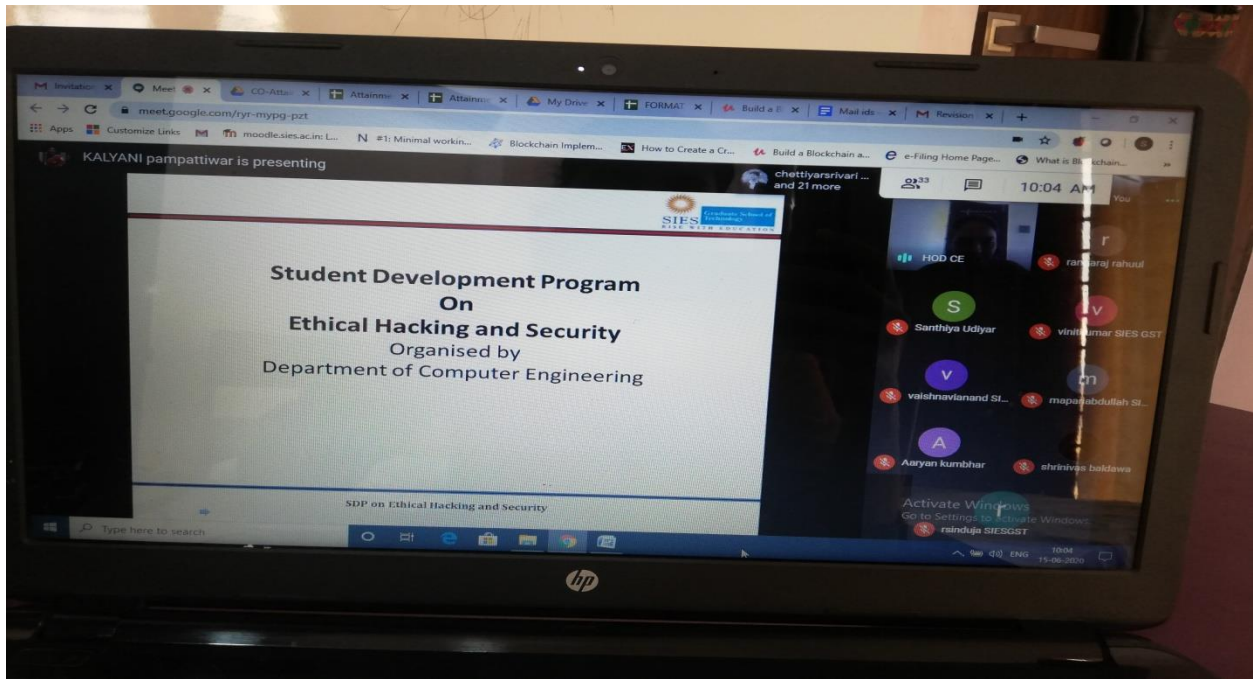
Project6: SQLmap using Kali Linux

Project 7 : Open WASP projects

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.





List of Students

Sr. No.	Name	Branch
1	Rahuul Rangaraj	SE-D
2	Santhiya Udiyar	SE-D
3	Varun Shinde	FE-D
4	R.S. Induja	FE-D
5	Samprit Chaurasiya	FE-C
6	Prathamesh Gawas	FE-C
7	Hiten Sharma	FE-A
8	Khush Patil	FE-A
9	Vedant Bhamare	FE-C
10	Mehul Aswar	FE-E
11	Sai Sri Sravya Sistla	FE-B

12	Tushar Ninawe	FE-B
13	Vaishnavi Anandakrishnan	FE-D
14	Pournima Thakare	FE-D
15	Srivari Chettiyar	FE-C
16	Abdullah Kadar Mapari	FE-C
17	Aaryan Kumbhar	FE-A
18	Anagha upparna	FE-B
19	Shrinivas Baldawa	FE-E
20	Aditya Pagare	FE-E
21	Nikhil Sabe	SE-D
22	Sangeeth Arun	SE-D
23	Tanvi Pathare	FE-D
24	Konar Lakshmanan	FE-E
25	Mendon Manas	FE-E
26	Gour H	SE-EXTC
27	Deshpande Ninad	SE-EXTC
28	Pallavi Lodhi	SE-EXTC
29	Atharva Zadbuke	SE-EXTC
30	Kulkarni Katiyayani	SE-EXTC
31	Vinit Kumar	FE-D

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.



SIES Graduate School of Technology

Department of Computer Engineering
Organizes

Hands on Training on
Introduction To R

16 - 21 December, 9.30 AM to 4.00 PM

Who will be benefited?

1. Students who want to develop project in the domain of data mining e.g. recommender system, predictive applications etc.
2. Students who want to enrol for higher studies in data analytics.
3. Students who want to join data science industry as data analyst.

Prerequisite

Background of C/C++/JAVA

Basics of statistics like mean, mode, median, regression etc

By the end of the course, the learner can:

1. Implement various applications using R.
2. Make efficient use of R packages.
3. Develop an end-to-end analytics solution using R language.
4. Workshop is followed with project based Internship.
5. Students will receive a certificate post successful completion of workshop and Internship.

Contact for Registration:

Prof. Pranita Mahajan

Pranita.mahajan@siesgst.ac.in

9920188940

Note:

1. Workshop is free of cost for SIES GST students
2. Workshop is for second year engineering students

Day	Activity
Day 1 16/12/2019	Introduction and preliminaries System requirement Installation and Understanding R Environment Packages and libraries Basics of R programming
	Variables and operators <ul style="list-style-type: none"> ● Vectors, Matrix, Objects ● Data management with strings ● Operators in R ● Decision making and looping ● R Functions - Inbuilt and user defined functions
	Data acquisition Reading file <ul style="list-style-type: none"> ● CSV, Text, Binary, Excel, XML
	Statistical analysis with R <ul style="list-style-type: none"> ● Measure of central tendency Mean, median, mode ● Variance, Skewness, Kurtosis ● Probability Distribution
Day 2 17/12/2019	Visualization with ggplot <ul style="list-style-type: none"> ● Exporting graph ● Advance plot customization
	Visualization with ggplot <ul style="list-style-type: none"> ● Exporting graph ● Advance plot customization
Day 5 18/12/2019	Linear Regression with R <ul style="list-style-type: none"> ● Covariance and correlation and its significance ● Purpose Regression Analysis ● Regression model with lm in R
	Multiple - Linear Regression with R <ul style="list-style-type: none"> ● Type of Multiple Regression ● Residual Analysis ● Multi - Collinear Regression
Day 6 19/12/2019	Logistic Regression with R <ul style="list-style-type: none"> ● Generalized Linear Model (glm) ● Residual Analysis
	Types of Logistic Regression with R <ul style="list-style-type: none"> ● Type of Logistic Regression Analysis ● Applications of Logistic Regression Analysis ● Estimating the Regression coefficient
Day 3 20/12/2019	Database connectivity in R <ul style="list-style-type: none"> ● Creating Tables in MySql ● Dropping Tables in MySql ● Inserting Data into the Tables ● Retrieving data using R
Day 4 21/12/2019	Web Interfacing with Shiny Shiny package in R Installing and using package Shiny R Designing interactive web apps from R using Shiny R

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2018/06/08 1:43:26 PM GMT+5:30	sunil.poojari217@siesgst.ac.in	Sunil Poojari	217A3071	sunil.poojari217@siesgst.ac.in
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alpesh.patil15@siesgst.ac.in

Rangnekar

Alpesh Anil Patil

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saini.gurinder17@siesgst.ac.in
pavithra.yadavar16@siesgst.ac.in
amin.vaibhav15@siesgst.ac.in
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pranav.shreemun16@siesgst.ac.in



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



Department of Computer Engineering

Event Report

Student Development Program R Programming Workshop and Internship

Event Information
Event Type: Workshop followed by internship
Event Title: R Programming Workshop
Resource Person: Prof. Pranita M, Prof. Prachi S, Prof. Masooda M, Dr. Varhsa Patil, Prof. Anindita
Event Date: 16 – 21 Dec 2019
Organized for: Students
Organized by: CE Department
Target Audience (Branch & Nos.): Undergraduate Students
Attachments: 1. Photographs (JPEG/PNG) 2. Attendance Report 3. Feedback Report

Event Description

CE department faculties have conducted six days student development program followed by internship, “R programming”. Program was conducted by Prof. Prachi Shahane, Prof. Pranita Mahajan, Prof. Masooda Modak, Dr. Varsha Patil and Prof. Anindita Khade.

Objective of the workshop was to bridge the gap between industry requirements and academic. 28 students attended the course and successfully developed and submitted project in a group or individually. Students completed their projects during internship in SIESGST and presented their work to CE department faculties.

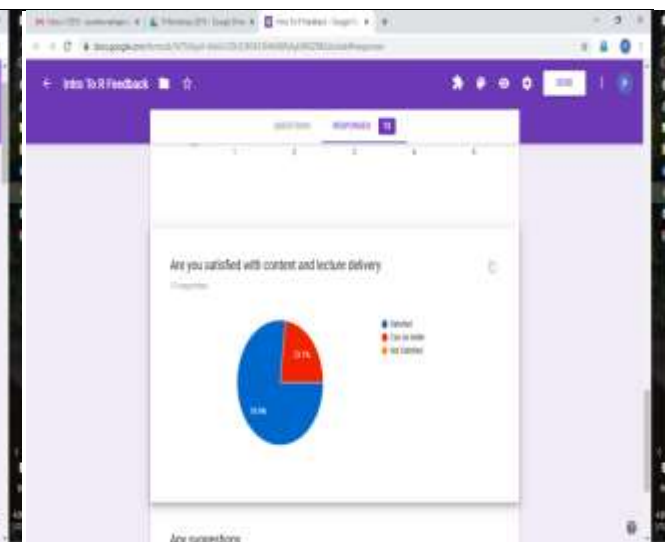
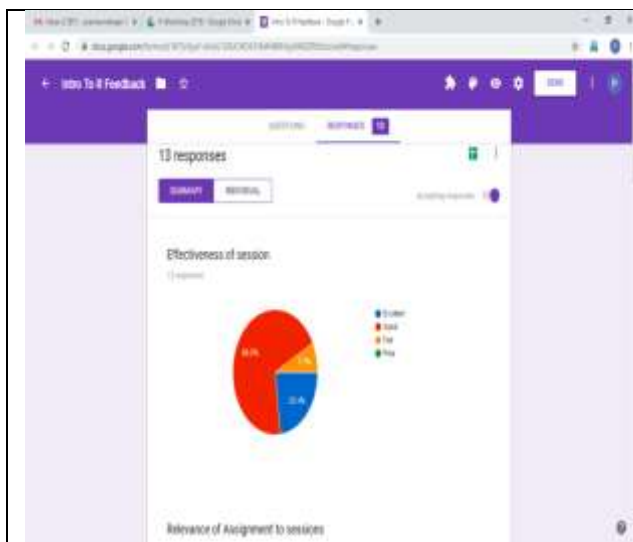
Certificates were given to students on successful completion and presentation of developed applications. Feedback was collected and overall feedback shows students were satisfied with content and requested to conduct future SDPs on Data mining and Deep Learning.

1. Photographs (in JPEG/PNG):





2. Attendance and Feedback Report (Scanned copy):



Attendance:

SDP on '6 Programming Workshop'
Attendance

Sl. No.	Full Name	Roll Number	Present	Absent
1	Abhishek Kumar	11A1201	✓	
2	Adarsh Kumar	11A1202	✓	
3	Amit Kumar	11A1203	✓	
4	Anshu Kumar	11A1204	✓	
5	Arjun Kumar	11A1205	✓	
6	Ashish Kumar	11A1206	✓	
7	Ashish Kumar	11A1207	✓	
8	Ashish Kumar	11A1208	✓	
9	Ashish Kumar	11A1209	✓	
10	Ashish Kumar	11A1210	✓	
11	Ashish Kumar	11A1211	✓	
12	Ashish Kumar	11A1212	✓	
13	Ashish Kumar	11A1213	✓	
14	Ashish Kumar	11A1214	✓	
15	Ashish Kumar	11A1215	✓	
16	Ashish Kumar	11A1216	✓	
17	Ashish Kumar	11A1217	✓	
18	Ashish Kumar	11A1218	✓	
19	Ashish Kumar	11A1219	✓	
20	Ashish Kumar	11A1220	✓	

SDP on '6 Programming Workshop'
Attendance

Sl. No.	Full Name	Roll Number	Present	Absent
21	Ashish Kumar	11A1221	✓	
22	Ashish Kumar	11A1222	✓	
23	Ashish Kumar	11A1223	✓	
24	Ashish Kumar	11A1224	✓	
25	Ashish Kumar	11A1225	✓	
26	Ashish Kumar	11A1226	✓	
27	Ashish Kumar	11A1227	✓	
28	Ashish Kumar	11A1228	✓	
29	Ashish Kumar	11A1229	✓	
30	Ashish Kumar	11A1230	✓	
31	Ashish Kumar	11A1231	✓	
32	Ashish Kumar	11A1232	✓	
33	Ashish Kumar	11A1233	✓	
34	Ashish Kumar	11A1234	✓	
35	Ashish Kumar	11A1235	✓	
36	Ashish Kumar	11A1236	✓	
37	Ashish Kumar	11A1237	✓	
38	Ashish Kumar	11A1238	✓	
39	Ashish Kumar	11A1239	✓	
40	Ashish Kumar	11A1240	✓	

SDP on '6 Programming Workshop'
Attendance

Sl. No.	Full Name	Roll Number	Present	Absent
41	Ashish Kumar	11A1241	✓	
42	Ashish Kumar	11A1242	✓	
43	Ashish Kumar	11A1243	✓	
44	Ashish Kumar	11A1244	✓	
45	Ashish Kumar	11A1245	✓	
46	Ashish Kumar	11A1246	✓	
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57	Ashish Kumar	11A1257	✓	
58	Ashish Kumar	11A1258	✓	
59	Ashish Kumar	11A1259	✓	
60	Ashish Kumar	11A1260	✓	

SDP on '6 Programming Workshop'
Attendance

Sl. No.	Full Name	Roll Number	Present	Absent
61	Ashish Kumar	11A1261	✓	
62	Ashish Kumar	11A1262	✓	
63	Ashish Kumar	11A1263	✓	
64	Ashish Kumar	11A1264	✓	
65	Ashish Kumar	11A1265	✓	
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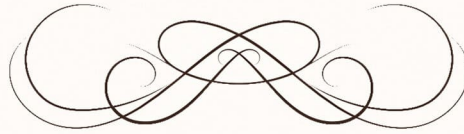
Feedback analysis

Feedback was collected and overall feedback shows students were satisfied with content and requested to conduct future SDPs on Data Mining and Deep Learning.

Impact Analysis

Students build applications using R and Shiny and presented it in front of panel. Workshop helped students for placements and students opted data science as area for their future year projects.

9th
Legend



CR No.CE/

CERTIFICATE

OF COMPLETION

This is to certify that

Mr./Ms. _____

has successfully completed the course on
“Introduction to R programming”

*and fifteen days internship from 16th Dec to 21st Dec, 2019 held at
SIES Graduate School of Technology. During internship he/she has successfully
completed project titled _____.*

PROF. PRANITA MAHAJAN
COURSE COORDINATOR

DR. APARNA BANNORE
HOD , CE DEPT.

DR. ATUL KEMKAR
PRINCIPAL, SIES GST

SIES Graduate School of Technology

**Department of Computer Engineering
Organizes
Hands on Training on
Advanced HTML and Web Technology
08/06/20 to 13/06/20 10.00 AM to 4.00 PM**

Who will be benefited?

1. Students who want to develop Website projects in the domain of Web Technologies e.g. for E-Commerce Website, Online Service providers websites etc.
2. Students who want to build their career in Web applications development.
3. Students who want to join industries which works on latest web technologies.

Prerequisite

Background of HTML basics.
Basics of Client – Server architecture of www.

Course Objectives:

1. To bridge the gap between industry requirements and academic by providing project based internship using latest web technologies.
2. To aware students with advanced dynamic website development technologies .

Course Outcome:

By the end of the course, the learner can:

3. Implement various Web applications using various Advanced HTML Tags, CSS to make web pages attractive and.
4. Developing User friendly webpages using Javascript programming .
5. Develop Server side programs using PHP and MYSQL.
6. Workshop is followed with project based Internship.
7. Students will receive a certificate post successful completion of workshop and Internship.

Contact for Registration:

1. Prof. Namrata Patel
namrata.patel@siesgst.ac.in
9820298932
2. Prof. Kranti Bade:
bade.kranti@siesgst.ac.in
8169415347

Note:

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

Day	Activity
Day 1 8/6/2020	Getting Started with HTML: Lists, Paragraphs, text styling, Tables, Images, Forms, Audio and Video Controls Physical and Logical Tags , HTML 5 tags
	Introduction to CSS: Internal, external CSS, element ,id,Class Selectors, Fonts , Color , Background and Borders.
Day 2 9/6/2020	Intermediate CSS: Padding, Margins, Rows and Columns ,Box Model Advanced CSS: Building the Navbar, Making Navbar Mobile responsive, Working with iframes,
	Working with Images box shadows, Working with text and image spacing, Working with header and footer
JAVASCRIPT	
Day 3 10/6/2020	Javascript: variables & strings, numbers, arrays, loops, functions, objects,
	Client side scripting such as form validations.
BOOTSTRAP	
Day 4 11/6/2020	Basic Set up of Bootstrap- Understanding Bootstrap Components, Working with Grid System
	1. Creating a Login portal using Bootstrap. 2. Displaying the same data with different templates, Use a Bootstrap modal
Github	
Day 5 12/6/2020	Github Repository Git Basics, How Version controls, Local and Remote Repositories
	PHP Basics
	PHP: Basic programming constructs, Arrays, functions, GET POST methods , Server side scripting
MYSQL	
Day 6 13/6/2020	MYSQL Database Basics and SQL queries
	PHP - Server Side Scripting , MYSQL Database Connectivity
	Project Discussion – Website Development

Department of Computer Department

Event Report

SDP ON “ADVANCED HTML AND WEB TECHNOLOGIES”

Event Information
Event Type: Student Development Program (SDP)
Event Title: Advanced Html And Web Technologies
Resource Person: Dr.Varsha Patil, Prof. Masooda Modak, Prof. Namrata Patel,Prof.Ujwala Ravale Prof.Kranti Bade
Event Date: 22 June – 2020
Organized for: FE, SE, Students of all branches
Organized by: SIES GST Computer Dept
Target Audience (Branch & Nos.): UG Students 56 FE and SE students from CE,IT and EXTC
Attachments: 1. Photographs (JPEG/PNG) 2. Attendance Report 3. Feedback Report

Event Description

Computer Department of SIES GST organized and conducted a student development program on Advanced HTML and Web technologies from 22nd June 2020 to 29th June 2020 between 10 am to 4 pm daily through online platform at SIES Graduate School of Technology, Nerul.

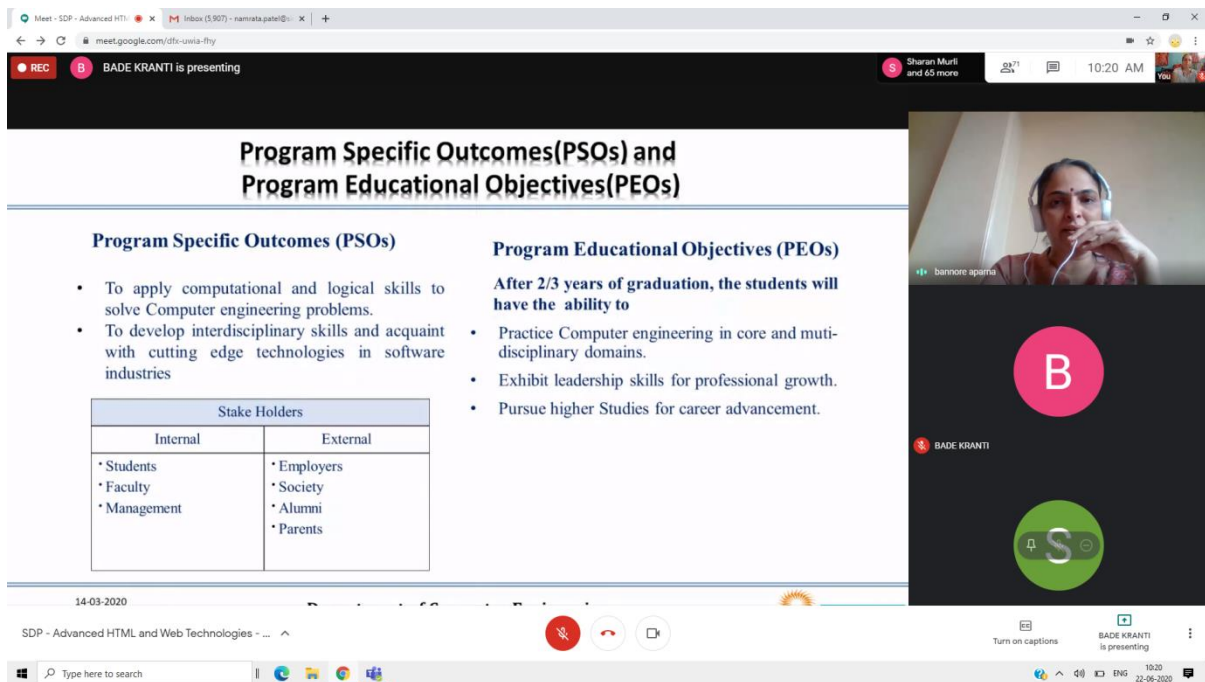
The SDP sessions are conducted by computer department faculties. The course contents designed by faculties and reviewed from external industry experts. During the course students learned complete web development process. Students learned core concepts of front end and backend programming using HTML5, CSS, Javascript, PHP and MySQL. They have also been taught advanced web technologies like Bootstrap, Github repository etc. At the end of SDP session students have designed their website for given topic.

Total 56 participants attended the session from SE, TE of CE, IT and EXTC Department. The concluding remarks were given by Dr. Aparna Bannore, HOD of CE SIES GST. The session was well received with admiration by the students.

1. Photographs (in JPEG/PNG):




Student Development Program
On
Advanced HTML & Web
Technologies
 Department of Computer Engineering



Program Specific Outcomes(PSOs) and Program Educational Objectives(PEOs)

Program Specific Outcomes (PSOs)

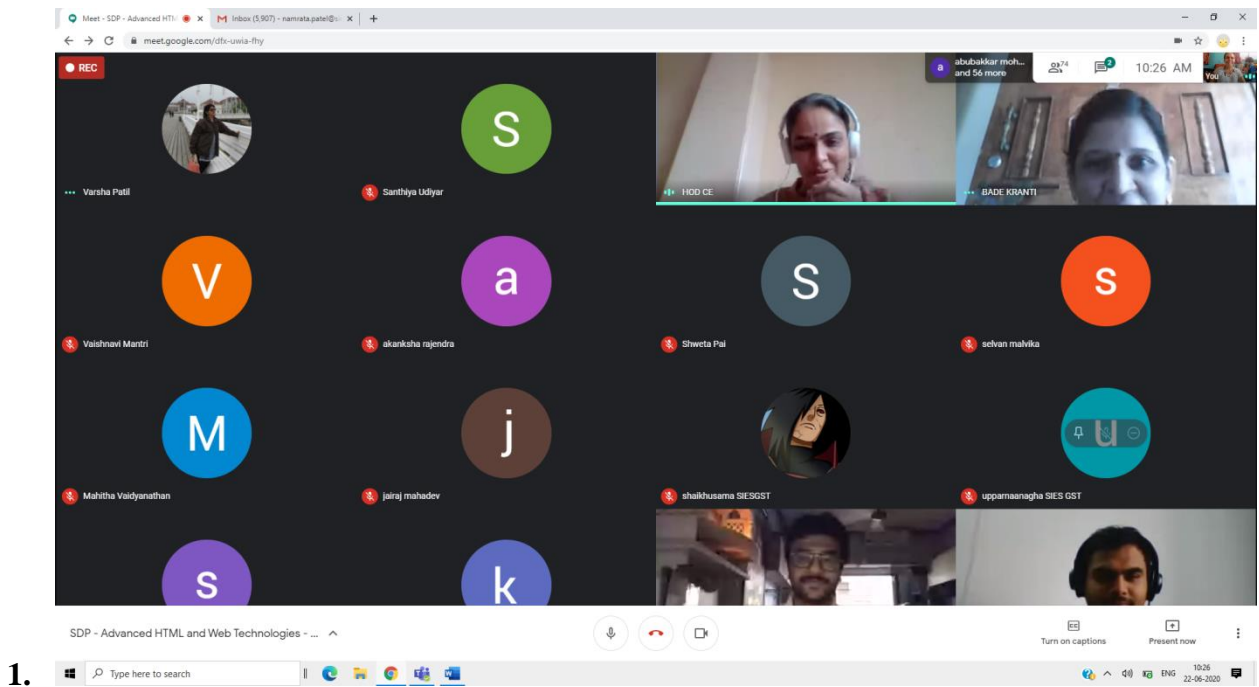
- To apply computational and logical skills to solve Computer engineering problems.
- To develop interdisciplinary skills and acquaint with cutting edge technologies in software industries

Stake Holders	
Internal	External
<ul style="list-style-type: none"> • Students • Faculty • Management 	<ul style="list-style-type: none"> • Employers • Society • Alumni • Parents

Program Educational Objectives (PEOs)

After 2/3 years of graduation, the students will have the **ability to**

- Practice Computer engineering in core and multi-disciplinary domains.
- Exhibit leadership skills for professional growth.
- Pursue higher Studies for career advancement.



2. Attendance and Feedback Report :

Sr. No	Name	Roll no	Branch	Division
1	Ria Sharma	117A3051	IT	E
2	Dhanvi Mange	119A3013	IT	E
3	Divyalaxmi Thiruganan	119A3015	IT	E
4	Madhuri Ramakrishnan	119A3032	IT	E
5	Mahitha Vaidyanathan	119A3054	IT	E
6	Shweta Pai	219A3069	IT	E
7	Arth Sangvai	117A1064	CE	D
8	R karthik	117A1064	CE	D
9	Varun Shinde	119A1075	CE	D
10	Prapthi Shetty	119A1074	CE	D
11	Snehal Jadhav	119A1084	CE	D
12	Sruthisri Venkateswaran	119A1088	CE	D
13	Abiram Sudhakar	118A1002	CE	C

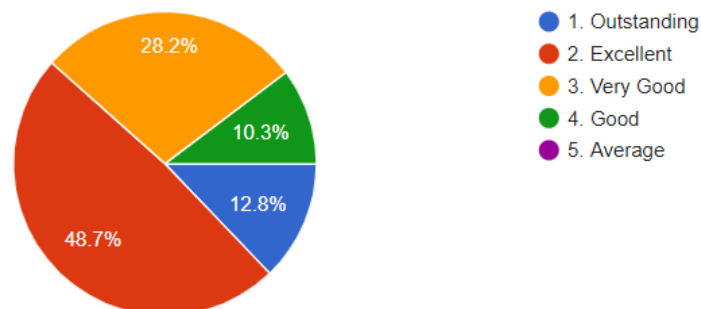
14	Tejas Sawant	118A1075	CE	D
15	Pritamsunder Idayakumar	118A1064	CE	D
16	Amit Sabkale	118A1070	CE	D
17	yash Ghildiyal	118A2027	EXTC	A
18	shubham chavan	118A2015	EXTC	A
19	Namit Naik	117A2070	EXTC	B
20	Shubham Rane	117A2082	EXTC	B
21	Akashsai Rajaram	118A1005	CE	C
22	Nikhitha Jayaprakash	118A1058	CE	D
23	Mahalakshmi Thevar	118A1088	CE	D
24	Sharan Murli	117A1073	CE	D
25	Poorva Chaudhary	118A2014	EXTC	A
26	Divya Kamila	118A2018	EXTC	A
27	Vaishnavi Mantri	118A3025	IT	E
28	Malvika Selvan	118A3052	IT	E
29	Melvina Michael	118A3027	IT	E
30	Anushika Bala	119A1012	CE	C
31	Aakanksha Bhatt	119A1001	CE	C
32	Rahuul Rangaraj	118A1066	CE	D
33	Santhiya Udiyar	118A1090	CE	D
34	Atharva Surve	118A1086	CE	D
35	Lakshmi Suryanarayan	118A1039	CE	C
36	Usha Konar	118A1035	CE	C
37	Sandhiya Kanthakumar	118A1031	CE	C
38	Divhya Gnanasekar	118A1021	CE	C
39	Shrinidhi iyengar	119A3020	IT	E
40	Kaushik shridhar	119A1036	CE	C
41	Shinit shetty	119A1076	CE	D

42	Kunal soni	119A1038	CE	C
43	shaikh Mohammed Usama	119A1072	CE	D
44	Dhruv R Suvarna	119A2015	EXTC	A
45	Darshan Sonawane	119A2012	EXTC	A
46	Niraj Devale	119A2051	EXTC	A
47	Aftab Mansoori	118A3024	IT	E
48	Anirudh Belwadi	118A1012	CE	C
49	Ashwath Nambiar	118A3033	IT	E
50	Ashwin Nair	118A3031	IT	E
51	Rohit Sartandel	118A3049	IT	E
52	Varun Sreedhar	118A1092	CE	D
53	Sanjana Kumar	118A1073	CE	D
54	Srikrishna Veturi	118A1093	CE	D
55	Sachi Patankar	219A1103	CE	D
56	Artha Pillai	219A1100	CE	D

Feedback Analysis from Google Form

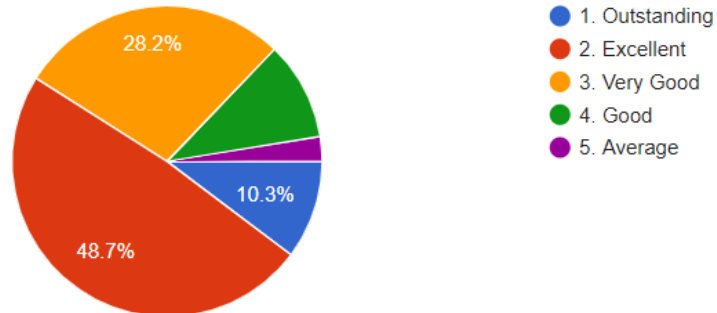
1. General impression about the content of the course ?

39 responses



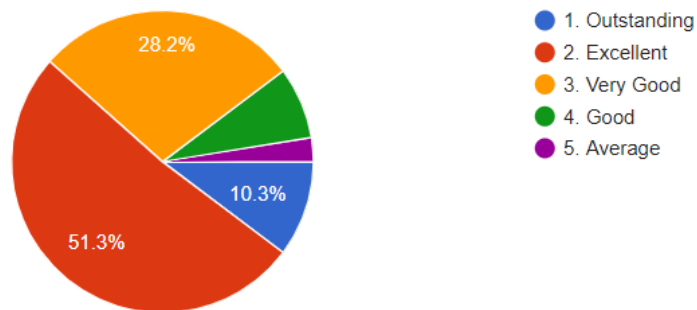
2. How well did the content address your expectations ?

39 responses



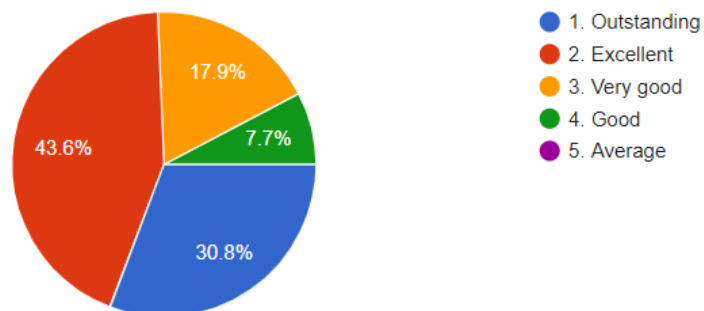
3. How do you rate the quality of content presented?

39 responses



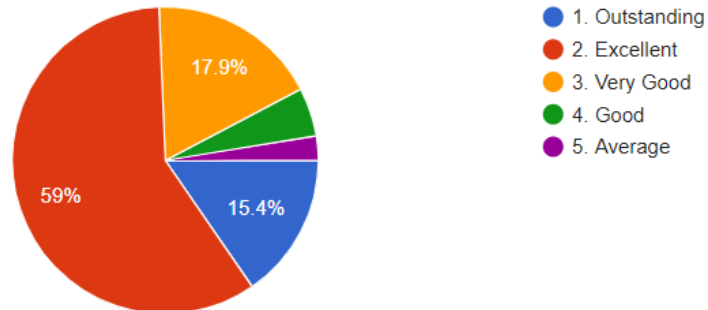
4. How relevant was the content to your profession?

39 responses



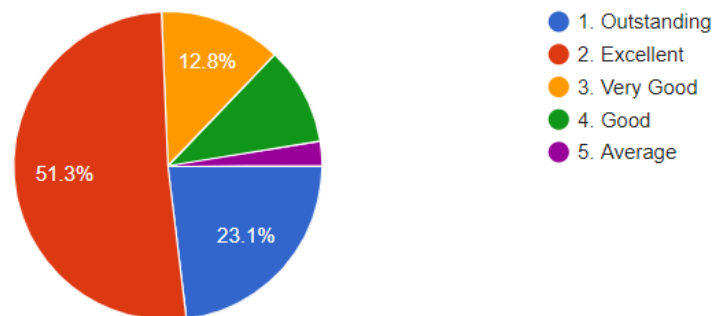
5. How do you rate the amount of content presented?

39 responses

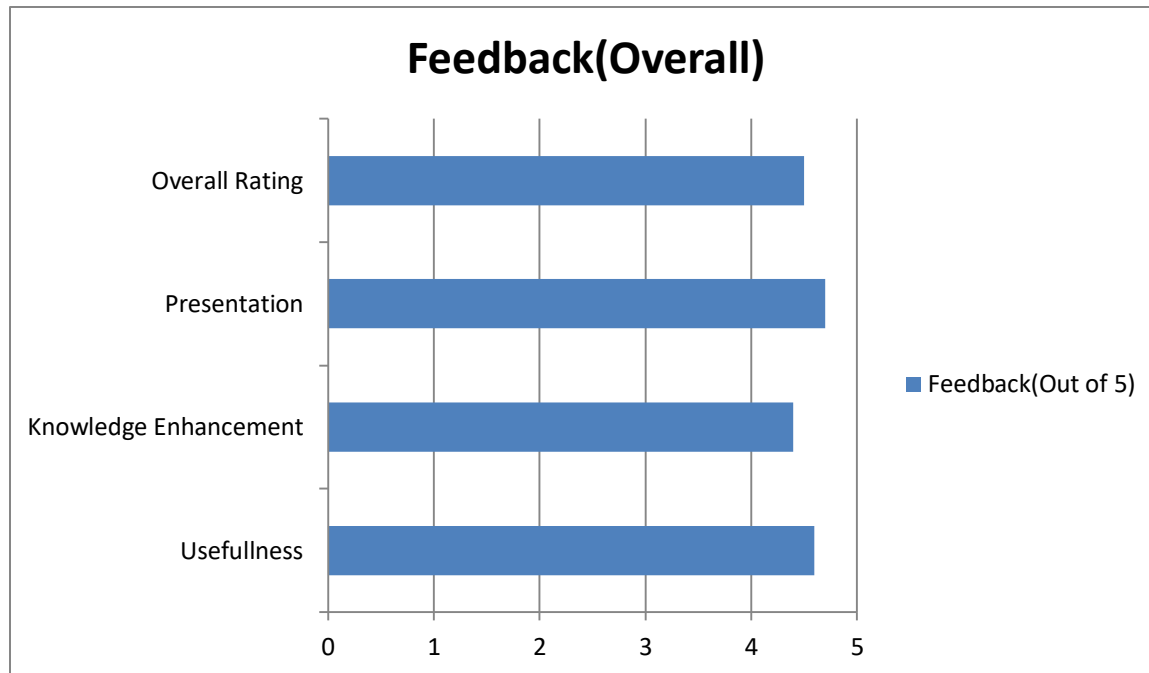


6. How do you rate hands on experience of this lab session?

39 responses



Impact Analysis:



CERTIFICATE

OF COMPLETION

THIS IS TO CERTIFY THAT

Mr./Ms. Ria Sharma

*has successfully completed the course on
"Advance HTML and Web Technologies"
and fifteen days internship from 22nd June to 4th July held at
SIES Graduate School of Technology. During internship he/she has successfully
completed project titled Music Website*



MS. NAMRATA PATEL
SDP COORDINATOR.



DR. APARNA BANNORE
HEAD, CE DEPT.



DR. ATUL KEMKAR
PRINCIPAL SIES GST.

SIES Graduate School of Technology

**Department of Computer Engineering
Organizes**

**Hands on Training on
Data Science Using R**

22 – 27 June, 10 AM to 4.00 PM

Who will be benefited?

1. Students who want to develop project in the domain of data mining e.g. recommender system, predictive applications etc.
2. Students who want to enrol for higher studies in data analytics.
3. Students who want to join data science industry as data analyst.

Prerequisite

Background of C/C++/JAVA

Basics of statistics like mean, mode, median, regression etc

Objectives:

To bridge the gap between industry requirements and academic by providing project based internship using R tool.

To aware students with Data Mining models and implementation in R.

Outcomes:

By the end of the course, the learner can:

1. Implement various applications using R.
2. Make efficient use of R packages.
3. Develop an end-to-end analytics solution using R language.
4. Workshop is followed with project based Internship.
5. Students will receive a certificate post successful completion of workshop and Internship.

Contact for Registration:

Prof. Pranita Mahajan

Pranita.mahajan@siesgst.ac.in

9920188940

Note:

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

Day wise Schedule of Workshop

Day	Activity
Day 1 22/6/2020	Introduction with trends, applications, terminology and preliminaries System requirement Installation and Understanding R Environment Packages and libraries Basics of R programming
	Introduction to Basic programming structures of R Importance of R, Data Types and Variables in R, Operators in R, Conditional Statements in R, Loops in R, R script, Functions in R.
Day 2 23/6/2020	Visualization with ggplot Introduction to Data Visualization, Types of Visualisation, Common Data Visualization Issues Data Visualization. Data Visualization using Graphics in R, ggplot2. File Formats of Graphic Outputs.
	Statistics for DataScience Measure of Central Tendency: Mean (Arithmetic), Median, Mode, Standard deviation, Variance, Skewness, Kurtosis Probability. Distribution: Normal Distribution, Standard Normal Distribution, Standardization of Data. Data Sampling, Confidence and significance levels. Hypothesis: Null and alternate hypothesis, confidence and significance levels.
Regression Analysis	
Day 3 24/6/2020	Linear Regression What is Regression?, Covariance & Correlation, Features of r (correlation), Testing the significance of the correlation coefficient, Types of regression analysis, Purpose of regression analysis, Purpose of regression analysis, R ² coefficient determination, Coefficient of determination (R ²) and Adjusted R ²
	Multi-Linear Regression Multiple Linear Regression, Typical Applications of Regression Analysis, Residual Analysis. Multicollinear, Hetero-skedasticity, case study with R
Classification	
Day 4 25/6/2020	Logistic Regression Logistic Regression Basics, Generalized Linear Model (glm), What is logistic regression?, Types of logistic regression analysis, Applications of logistic regression analysis, Prerequisite / when & why binary logistic regression. Case Study with R
	Decision Tree What is decision tree? Why decision tree? Types of decision tree Constructing decision tree , Random forest and CART, Case Study with R
Clustering	
Day 5 26/6/2020	Clustering What is clustering?, When to use cluster analysis? Application of cluster analysis, Types of cluster analysis ,K means Case Study with R. Hierarchical Clustering Case Study with R
	Association Introduction to Association Mining, Association Rule, Apriori Algorithm, Demo Apriori Algorithms
Time series Analysis	
Day 6 27/6/2020	Time Series Analysis What is Time series, Components of Time Series, Techniques for forecasting- Simple Moving Average, Weighted Moving Average, Simple Exponential Smoothing, Double Exponential Smoothing, Triple Exponential Smoothing, Time Series Models Comparison, Use Cases, Industry Applications, Basic Concepts (acf, pacf, AR, MA), ARMA Model, ARIMA Model, Industry Applications and case study with R.
	Discussion and Project Assignment



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



Department of Computer Engineering

Event Report

Student Development Program Data Science with R Workshop and Internship

Event Information
Event Type: Workshop followed by internship
Event Title: Data Science with R Workshop and Internship
Resource Person: Prof. Pranita M, Prof. Prachi S, Dr. Varhsa Patil, Prof. Anindita
Event Date: 22 – 27 June 2020
Organized for: Students
Organized by: CE Department
Target Audience (Branch & Nos.): Undergraduate Students
Attachments: 1. Photographs (JPEG/PNG) 2. Attendance Report 3. Feedback Report

Event Description

CE department faculties have conducted six days student development program followed by internship, “Data Science with R”. Program was conducted by Prof. Prachi Shahane, Prof. Pranita Mahajan, Dr. Varsha Patil and Prof. Anindita Khade.

Objective of the workshop was to bridge the gap between industry requirements and academic. 24 students attended the course and successfully developed and submitted project individually. Students completed their projects during online internship by SIESGST and presented their work to CE department faculties.

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 Deep Learning.

1. Photographs (in JPEG/PNG):

Case: Types of Data variables (Revisited)

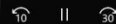
Variable Name	Name of Manufacturer	Manufacturer ID	Number of Equipment's	Annual Equipment Failures	Manufacturer Type	Manufacturer Category	Annualized Maintenance cost	Failure Rate
Value Stored	Name of the individual manufacturer	Unique identifier	1, 2, 3...	18, 19, 20...	Domestic / International	Mass Production/ Batch Production/ Job Shop/ Projects	Amount	Low(<25%) / Medium(<50%) / High(<75%) / Very High(>75%)
Variable Type	--	--	Numerical (Discrete)	Numerical (Discrete)	Categorical (Binary)	Categorical (Nominal)	Numerical (Continuous)	Categorical (Ordinal)
Remarks	Identifier	Identifier	Arises from counting. Takes certain discrete values in a given range	Arises from counting. Takes certain discrete values in a given range	Only two categories	Several unordered category	Takes many values in a given range	Several ordered category

6/22/2020

Department of computer engineering



00:59:24



01:38:41



Pranita Mahajan

The screenshot shows a Google Meet session. The main window displays a presentation slide with the text "You're presenting to everyone" and a "Stop presenting" button. The chat window on the right shows a list of participants and their responses to a question. The system tray at the bottom indicates the time is 14:00 on 22-06-2020.

Chat Log:

- sant kedar 1:54 PM: yes
- You 1:59 PM: are u doing with me
- Anushree Kolhe 1:59 PM: yes ma'am
- sawant aditi 1:59 PM: Yes ma'am
- sant kedar 1:59 PM: yes ma'am
- shaikh nifa 1:59 PM: yes ma'am
- vaishnavi sreekumar 1:59 PM: yes

00:24:16

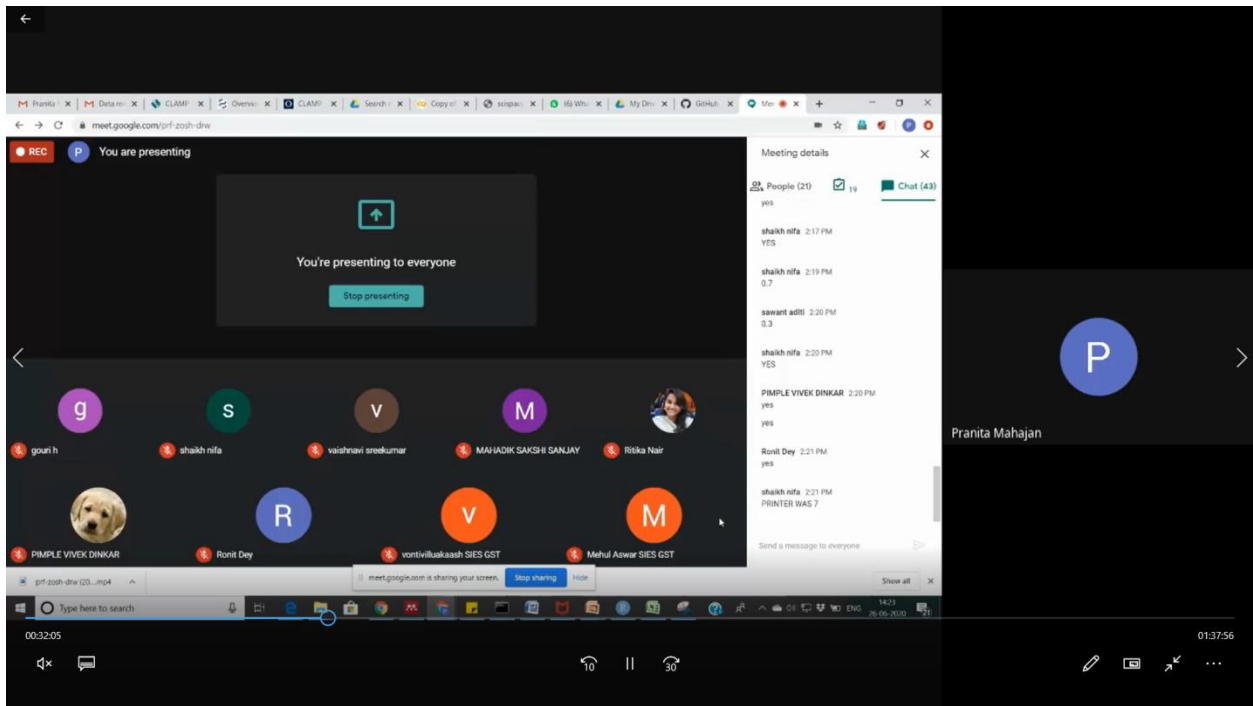


02:50:15

PRACHI SHAHANE

Type here to search

17:58 18-08-2020



Project Presentation

The screenshot shows a Google Meet window. The main area displays a presentation slide titled "Methodology / Algorithm". The slide content includes a list of steps and model comparison details. The meeting details panel on the right shows a list of participants.

Methodology / Algorithm

1. Load the dataset (CSV file)
2. Calculate number of employees that leave each year irrespective of the department.
3. Find in which department the termination is maximum.
4. Type of terminations – voluntarily/Involuntarily.
5. Reason for voluntary and involuntary terminations department wise.
6. Plot the decision tree.
7. Calculate prediction probabilities of employees who will resign.
8. Test different models and compare the accuracy.

- In this project I compared 2 models :
 - i. Random forest (Model accuracy – 0.923)
 - ii. Gradient Boost model (Model accuracy – 0.8768)
- Since, the accuracy of Random forest model is more after comparing, I considered the results of this model.

17-07-2020
Slide No. 4

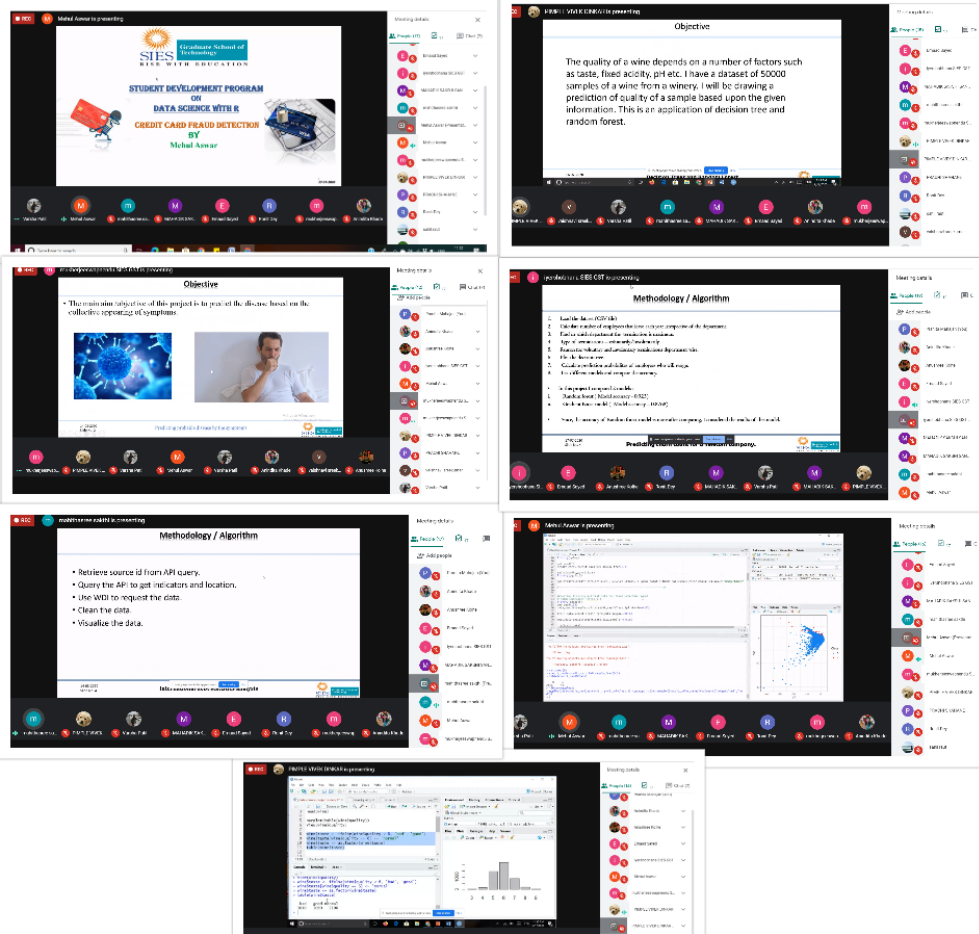
Predicting churn count for a telecom company.

Meeting details

People (19) 19 Chat (3)

Add people

- Pranita Mahajan (You)
- Anindita Khade
- Anushree Kolhe
- Emaad Sayed
- iyershobhana SIES GST
- iyershobhana SIES GST ...
- MAHADIK SAKSHI SAN...
- MAHADIK SAKSHI SAN...
- mahithasree sakthi
- Mehul Aswar



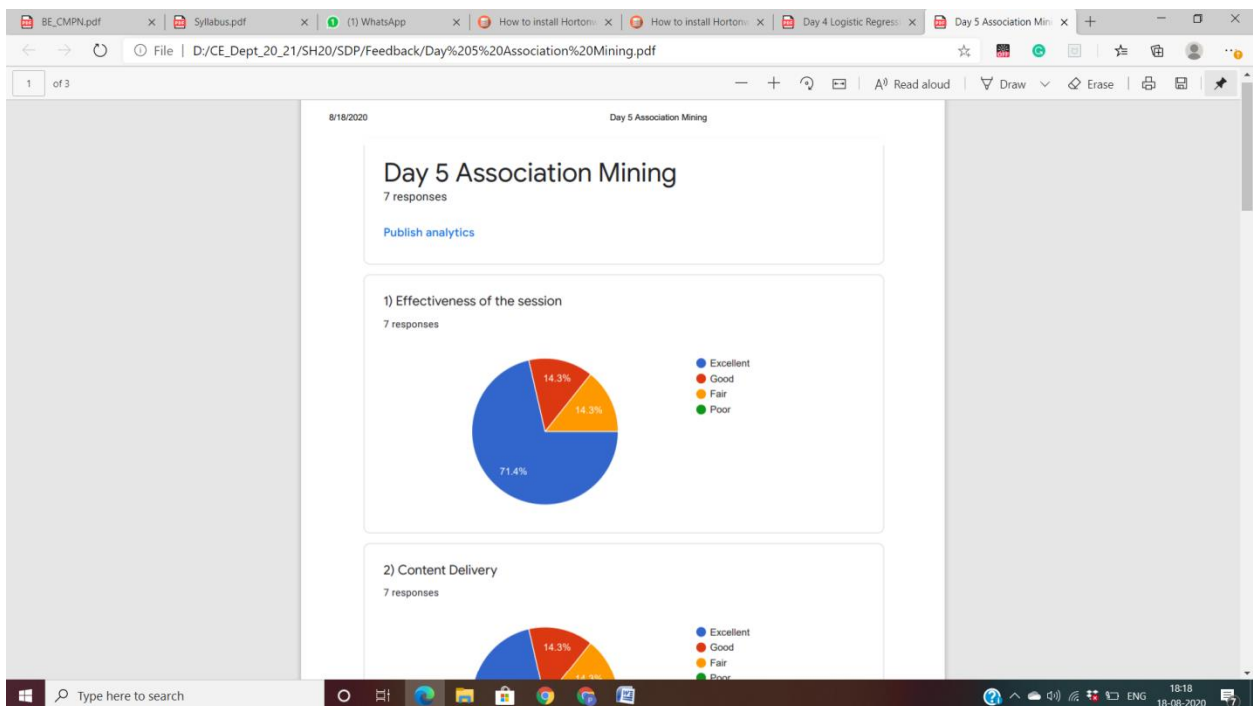
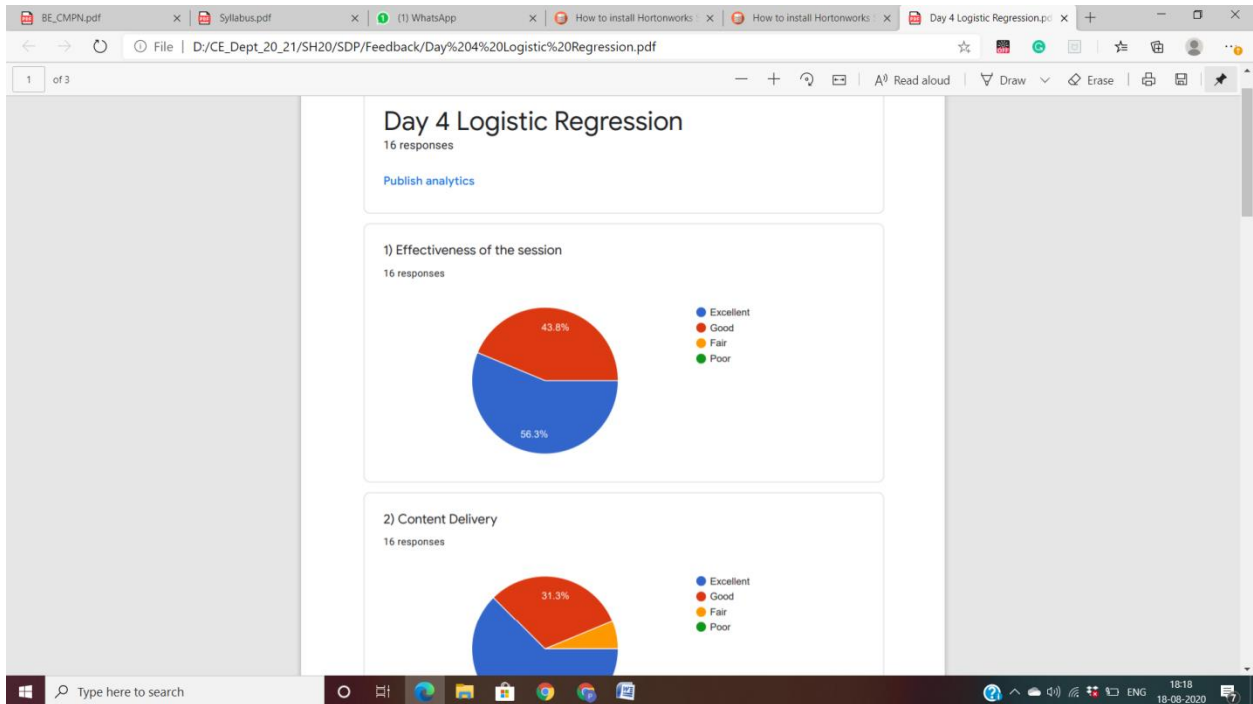
2. Attendance and Feedback Report (Scanned copy):

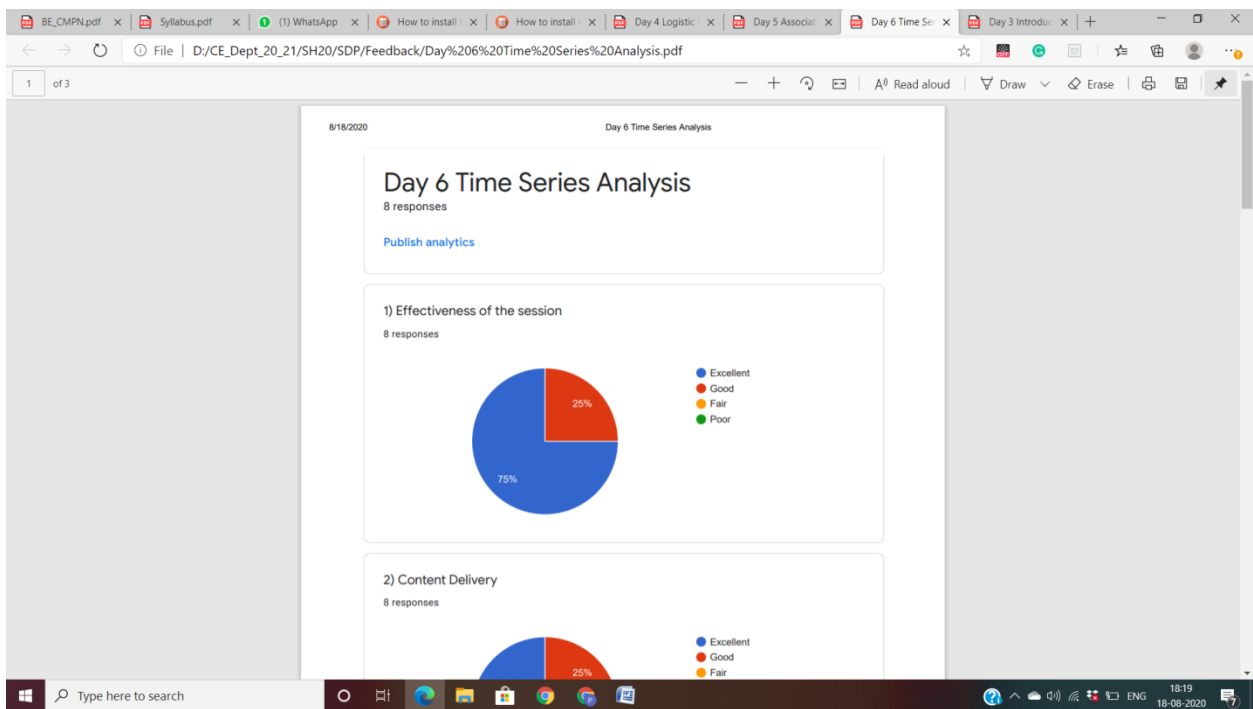
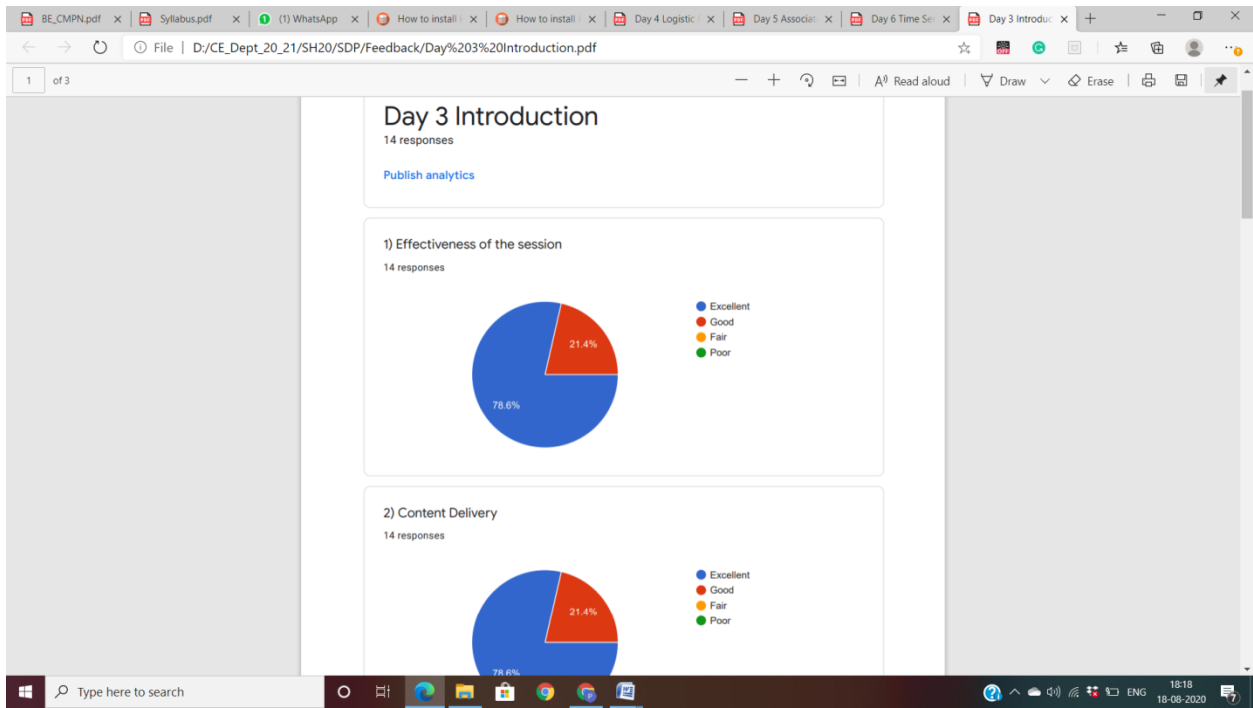
Attendance:

Meet Attendance 2020-6-26 16:03 - Microsoft Excel						
	A	B	C	D	E	F
1	6-27-2020 10:10:59	6-27-2020 11:13:23	6-27-2020 12:44:20	6-27-2020 12:59:10	6-27-2020 14:04:50	6-27-2020 14:25:44
2	https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw
3	Pranita Mahajan	Anushree Kolhe	Pranita Mahajan	Pranita Mahajan	Pranita Mahajan	Mehul Aswar SIES GST
4	Pranita Mahajan	archil harkhani	Pranita Mahajan	Pranita Mahajan	Anindita Khade	mukherjeeswapnendu SIES GST
5	Anushree Kolhe	Emaad Sayed	Anushree Kolhe	Anushree Kolhe	Anushree Kolhe	naidu krishnan
6	Emaad Sayed	gouri h	archil harkhani	archil harkhani	gouri h	PIMPLE VIVEK DINKAR
7	iyershobhana SIES GST	iyershobhana SIES GST	Emaad Sayed	Emaad Sayed	iyershobhana SIES GST	PRACHI SHAHANE
8	mukherjeeswapnendu SIES GST	MAHADIK SAKSHI SANJAY	gouri h	gouri h	MAHADIK SAKSHI SANJAY	Ritika Nair
9	naidu krishnan	mahithasree sakhthi	iyershobhana SIES GST	iyershobhana SIES GST	mukherjeeswapnendu SIES GST	Ronit Dey
10	PIMPLE VIVEK DINKAR	Mehul Aswar SIES GST	mahithasree sakhthi	mahithasree sakhthi	naidu krishnan	sahil pednekar
11	Ritika Nair	mukherjeeswapnendu SIES GST	Mehul Aswar SIES GST	Mehul Aswar SIES GST	PIMPLE VIVEK DINKAR	sahil raut
12	Ronit Dey	naidu krishnan	mukherjeeswapnendu SIES GST	mukherjeeswapnendu SIES GST	Ritika Nair	sant kedar
13	sahil pednekar	PIMPLE VIVEK DINKAR	naidu krishnan	naidu krishnan	Ronit Dey	shaikh nifa
14	sahil raut	Ritika Nair	Ritika Nair	Ritika Nair	sahil raut	sonikunalmit SIESGST
15	sant kedar	Ronit Dey	Ronit Dey	Ronit Dey	sant kedar	sriramanier SIESGST
16	sawant aditi	sahil pednekar	sahil pednekar	sahil pednekar	sawant aditi	vaishnavi sreekumar
17	sonikunalmit SIESGST	sahil raut	sahil raut	sahil raut	shaikh nifa	Varsha Patil
18	sriramanier SIESGST	sant kedar	sant kedar	sant kedar	sonikunalmit SIESGST	vonitlukaash SIES GST
19	vaishnavi sreekumar	sawant aditi	sawant aditi	sawant aditi	sriramanier SIESGST	mahithasree sakhthi
20		shaikh nifa	shaikh nifa	shaikh nifa	vaishnavi sreekumar	gouri h
21		sonikunalmit SIESGST	sonikunalmit SIESGST	sonikunalmit SIESGST	Varsha Patil	iyershobhana SIES GST
22		sriramanier SIESGST	sriramanier SIESGST	sriramanier SIESGST		MAHADIK SAKSHI SANJAY
23		vaishnavi sreekumar	vaishnavi sreekumar	vaishnavi sreekumar		Pranita Mahajan
24		Pranita Mahajan				Pranita Mahajan
25		Pranita Mahajan				Anindita Khade
26						Anushree Kolhe
27						archil harkhani
28						Emaad Sayed
29						

Feedback analysis

Feedback was collected and overall feedback shows students were satisfied with content and requested to conduct future SDPs on Deep Learning.





Impact Analysis

Students build applications using R and Shiny and presented it in front of panel. Workshop helped students for placements and students opted data science as area for their future year projects.



SIES

Graduate School of
Technology

RISE WITH EDUCATION

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 Forecasting**

Pranita Mahajan

WORKSHOP COORDINATOR

Dr. Aparna Bannore

HEAD CE, DEPT

Dr. Atul Kemkar

I/C PRINCIPAL SIESGST

Student Development Program on Advance C Under Department of Computer Engineering

22 June 2020 to 26 June 2020 (10:00 to 5:00)

C Programming Language is one of the most widely used and popular language in world. Advanced C is the next level of C which help to obtain mastery of the language. This course will include Pointer, File Handling, Recursion in detail, Data structure in C , dynamic Memory Allocation.

OBJECTIVES

- To make students aware of Advanced C.
- To apply advanced C Concept to create advanced C application.

WHO WILL BE BENEFITED?

- All the students willing to get mastery in C to make yourself more marketable for higher level programming position.
- The student who wants to develop application in advanced C.

PREREQUISITE

- Basic Knowledge of C programming language.
- Programming aptitude of the students is desirable.

OUTCOMES

Learner will be able to:

- Understand the Advanced C Concept and its applications.
- Explore Code Lite and Visual studio code environment.
- Develop application using advanced C.

CONTACT PERSON

Prof. Pranjali Thakre(9730673899)
pranjali.thakre@siesgst.ac.in

SCHEDULE						
WEEK 1:	Date	Day 1 (22/6)	Day 2 (23/6)	Day 3 (24/6)	Day 4 (25/6)	Day 5 (26/6)
Resource person		Prof. Pranjali Thakre	Prof. Pranita Mahajan	Prof. Pranita Mahajan, Prof. Pranjali thakre	Prof. Prachi Shahane	Dr. Rajesh Kadu
Time						
10:00 to 1:00		Advanced data types, type qualifiers, Advanced Control flow	Pointer, Double pointer, function pointers, void pointers	Dynamic Memory Allocation, Recursion	File handling	Data structure
2:00 to 4:00		Code Lite and visual studio environment	Hands on session on pointers	Hands on session on recursion and dynamic memory allocation	Hands on session on file handling	Hands on session on data structure
4:00 to 5:00		Quiz	Quiz	Quiz	Quiz	Quiz



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

Department of Computer Department

Event Report

SDP ON “ADVANCED C”

Event Information
Event Type: Student Development Program (SDP)
Event Title: Advanced C
Resource Person: Dr. Rajesh Kadu, Prof. Prachi Shahane, Prof. Pranita Mahajan, Prof. Pranjali Thakre
Event Date: 22 June – 26 June 2020
Organized for: All students (FE,SE,TE)
Organized by: SIES GST Computer Dept
Target Audience (Branch & Nos.): Undergraduate Students from all branches total 45 students

Attachments: 1. Photographs (JPEG/PNG)

2. Attendance Report

3. Feedback Report

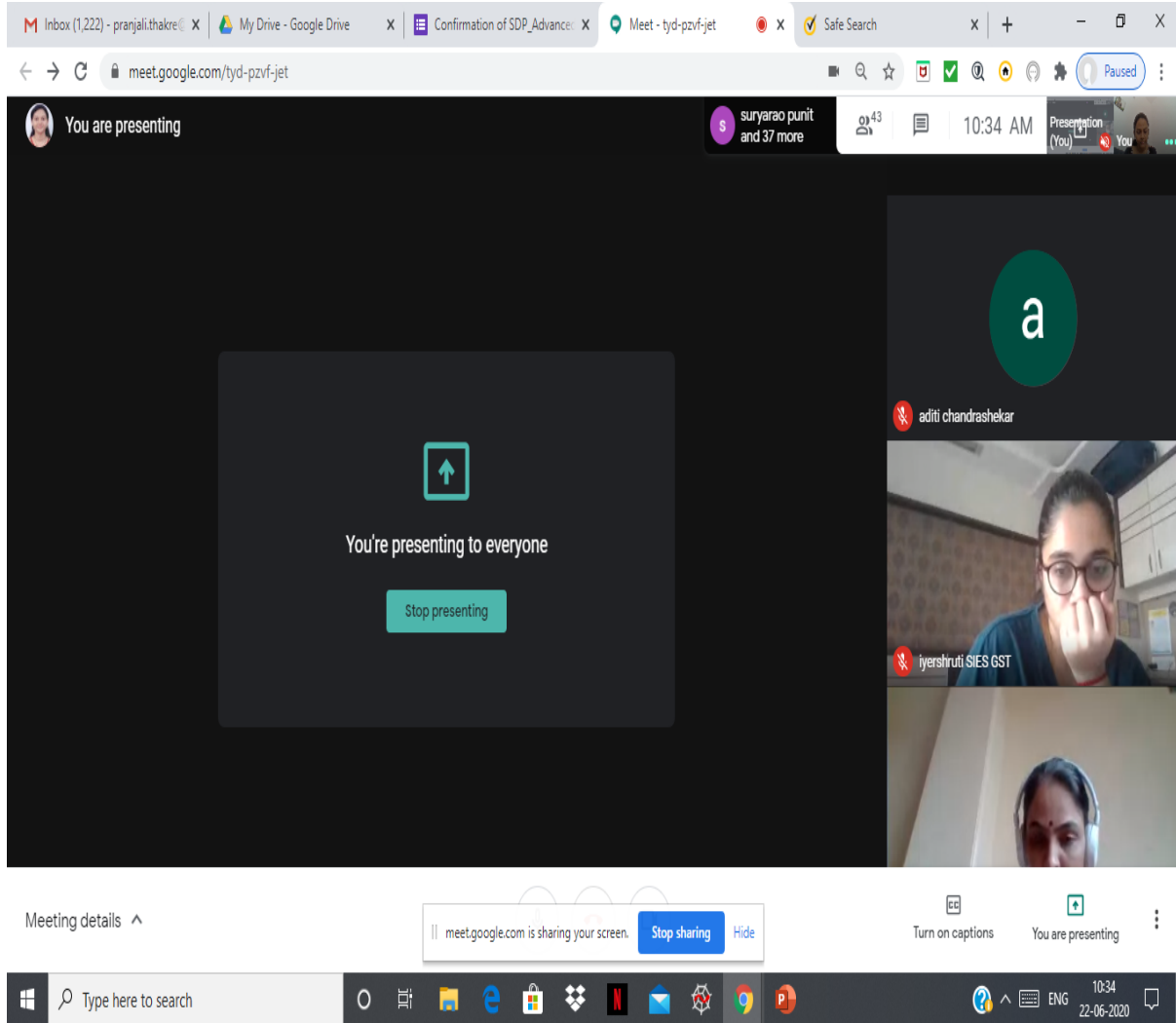
Event Description

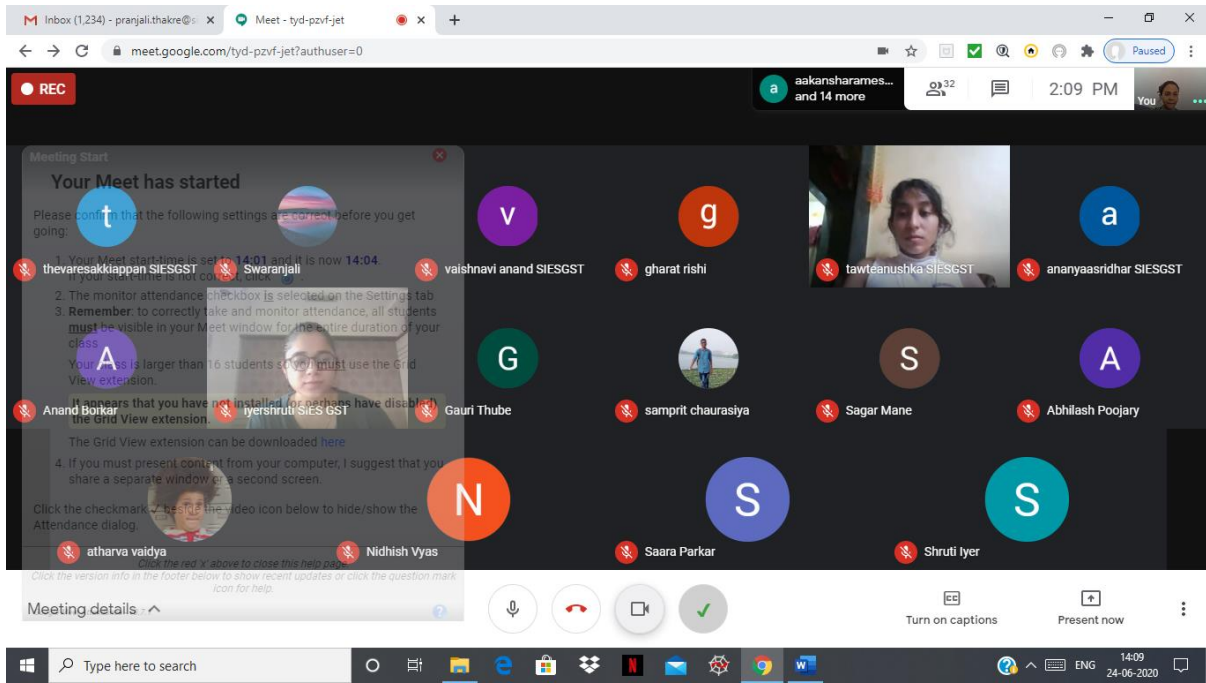
Computer Department of SIES GST organized and conducted a student development program on Advanced C from 22 June to 26 June 2020 between 10 am to 5 pm at SIES Graduate School of Technology, Nerul in Online mode.

The SDP sessions are conducted by computer department faculties. They taught Advanced C in which they have covered advanced data type, type qualifiers, macros, code lite and gcc compiler environment, File handling, pointer, double pointer, void pointer, function pointer, data structure in C. Students had given hands-on training sessions on C language. Students have got good exposure to concept of advanced C. At the end of SDP session students have completed quiz and practicals.

Total 45 participants attended the session of FE,SE,TE of CE, IT, EXTC and ME branches. The concluding remarks were given by Ms. Aparna Bannore, HOD of CE SIES GST. The session was received with admiration by the students.

1. Photographs (in JPEG/PNG):





2. Attendance and Feedback Report (Scanned copy):

6/23/2020 13:44	6/23/2020 13:44	6/23/2020 13:47	6/24/2020 10:15	6/24/2020 12:38	6/26/2020 13:45	6/26/2020 13:59		
https://meet.google.com/tyd-pzvf-jet	https://meet.google.com/tyd-pzvf-jet	https://meet.google.com/tyd-pzvf-jet	https://meet.google.com/tyd-pzvf-jet	https://meet.google.com/tyd-pzvf-jet	https://meet.google.com/tyd-pzvf-jet	https://meet.google.com/tyd-pzvf-jet	https://meet.google.com/tyd-pzvf-jet	https://meet.google.com/tyd-pzvf-jet
Pranita Mahajan	Pranita Mahajan	atharva vaidya	Pranita Mahajan	Pranita Mahajan	Pranita Mahajan	Pranita Mahajan		
Pranita Mahajan	Pranita Mahajan	autidisha SIES GST	Pranita Mahajan	Pranita Mahajan	Anushree Kolhe	Pranita Mahajan		
aakansharamesh	aakansharamesh	bhargavaishita SIES GST	aakansharamesh	aakansharamesh	archil harkhani	Anushree Kolhe		
Anand Borkar	Anand Borkar	deshmukhminoti	ananyaasridhar SIES GST	Abhilash Poojary	gouri h	archil harkhani		
atharva vaidya	atharva vaidya	falmarerutujeet SIES GST	ananyaasridhar SIES GST	Anand Borkar	iyershobhana SIES GST	Emaad Sayed		
autidisha SIES GST	autidisha SIES GST	Gauri Thube	ananyalakshman	ananyaasridhar SIES GST	mukherjeeswapn	gouri h		
bhargavaishita SIES GST	bhargavaishita SIES GST	gharat rishi	atharva vaidya	ananyaasridhar SIES GST	Ritika Nair	iyershobhana SIES GST		
deshmukhminoti	deshmukhminoti	Harsh Goyal	autidisha SIES GST	ananyalakshman	Ronit Dey	MAHADIK SAKSHI SANJAY		
Gauri Thube	Gauri Thube	iyer shiva	bhargavaishita SIES GST	atharva vaidya	shaikh nifa	Mehul Aswar SIES GST		
gharat rishi	gharat rishi	iyershruiti SIES GST	deshmukhminoti	autidisha SIES GST	sonikunalamit SIES GST	mukherjeeswapnendu SIES GST		
Harsh Goyal	Harsh Goyal	kadamvighnesh SIES GST	falmarerutujeet SIES GST	bawaskaresha SIES GST	vaishnavi sreeku	Ritika Nair		
iyer shiva	iyer shiva	karandegaurav SIES GST	Gauri Thube	bhargavaishita SIES GST		Ronit Dey		
iyershruiti SIES GST	iyershruiti SIES GST	ananyalakshman	gharat rishi	prasad kulkarni		sahil raut		
nitika sanjay	nitika sanjay	Nidhish Vyas	iyer shiva	Prathamesh Gawas		sawant aditi		
pournima Thakar	pournima Thakar	nitika sanjay	Nidhish Vyas	Saara Parkar		shaikh nifa		
prajyot bhoir	prajyot bhoir	pavitra pavitra	pournima Thakar	Sagar Mane		sonikunalamit SIES GST		
prasad kulkarni	prasad kulkarni	pournima Thakar	prajyot bhoir	sampriti chaurasiya		sriramaniyer SIES GST		
Prathamesh Gav	Prathamesh Gav	prasad kulkarni	Prathamesh Gav	shindesahil SIES GST		vaishnavi sreeku		
Saara Parkar	Saara Parkar	Prathamesh Gav	Saara Parkar	Shruti Iyer				

Saara Parkar	Saara Parkar	Prathamesh Gav	Saara Parkar	Shruti Iyer		
Sagar Mane	Sagar Mane	Saara Parkar	Sagar Mane	singhabhishek SIES GST		
samprit chaurasi	samprit chaurasi	Sagar Mane	samprit chaurasi	snehashaji SIESGST		
Shruti Iyer	Shruti Iyer	samprit chaurasi	shindesahil SIES	soham parag		
singhabhishek S	singhabhishek S	shindesahil SIES	Shruti Iyer	suryarao punit		
snehashaji SIES	snehashaji SIES	Shruti Iyer	singhabhishek S	suyash karwande		
suryarao punit	suryarao punit	singhabhishek S	suryarao punit	Swaranjali		
Swaranjali	Swaranjali	snehashaji SIES	Swaranjali	tawteanushka SIESGST		
thevaresakkiapp	thevaresakkiapp	soham parag	tawteanushka SI	thevaresakkiappan SIESGST		
vaishnavi anand	vaishnavi anand	suryarao punit	thevaresakkiapp	vaishnavi anand SIESGST		
vikrant singh	vikrant singh	Swaranjali	vaishnavi anand	vikrant singh		
vikrant singh	vikrant singh	tawteanushka SI	vikrant singh	pavitra pavitra		
kadamvighnesh	kadamvighnesh	thevaresakkiapp	vikrant singh	pournima Thakare		
nadarmegha SIE	nadarmegha SIE	vaishnavi anand	iyershruti SIES C	prajyot bhoir		
Nidhish Vyas	Nidhish Vyas	vikrant singh	kadamvighnesh	iyerkarthik SIESGST		
		vikrant singh	karandegaurav S	iyershruti SIES GST		
		prajyot bhoir	iyerkarthik SIES	kadamvighnesh SIESGST		
		Pranita Mahajan		nadarmegha SIESGST		
		aakasharamesh SIES GST		Nidhish Vyas		
		Anand Borkar		nitika sanjay		
		Pranita Mahajan		gharat rishi		

00:07:16.841,00:07:19.841

Pranjali Thakre: int main()

```
{
    // String Initialization
    char a[]
        = "Hi 1234, "
        " Welcome to SDP";
    identify_alpha_numeric(a);
}
```

00:10:14.418,00:10:17.418

prajyot bhoir: yes

00:10:35.399,00:10:38.399

iyershruti SIES GST: done

00:17:16.188,00:17:19.188

Pranjali Thakre: #include <stdio.h>

```
// Header file containing character functions
#include <ctype.h>
```

```
char* identify_convert_ul(char a[])
{
    int count_upper = 0, count_lower = 0,i;
    for (i = 0; a[i] != '\0'; i++) {

        // To check the uppercase characters
        if (isupper(a[i])) {
            count_upper++;
            a[i] = tolower(a[i]);
        }

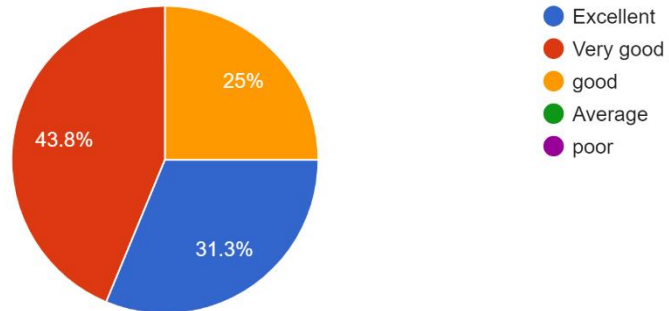
        // To check the lowercase characters
        else if (islower(a[i])) {
            count_lower++;
            a[i] = toupper(a[i]);
        }
    }
}
```



Feedback Analysis from Google Form

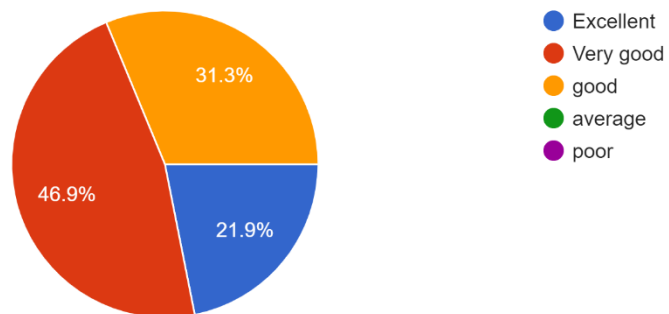
1. General Impression about the content of the course ?

32 responses



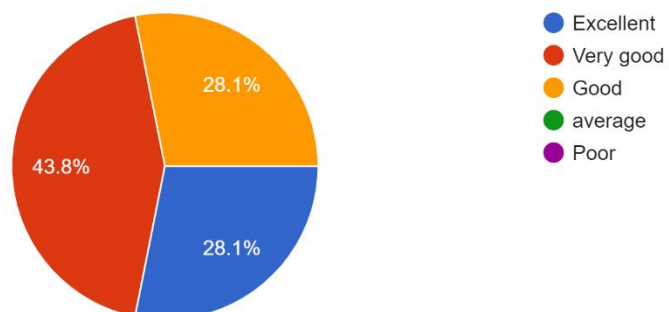
2. How well did the content address your expectation?

32 responses



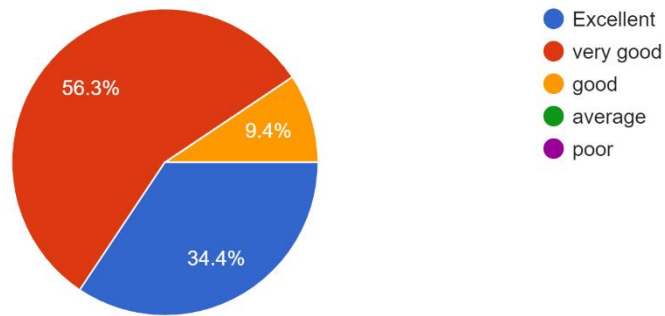
3. How do you rate the quality of content presented?

32 responses



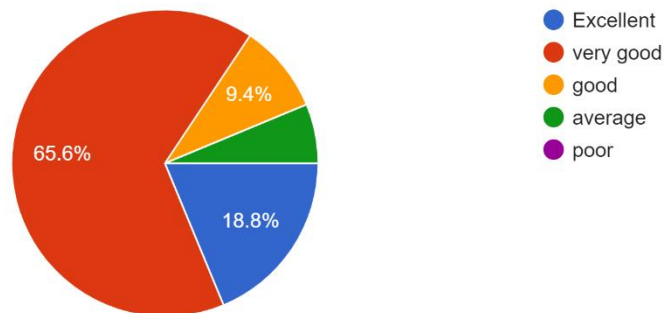
4. How relevant was the content to your profession?

32 responses



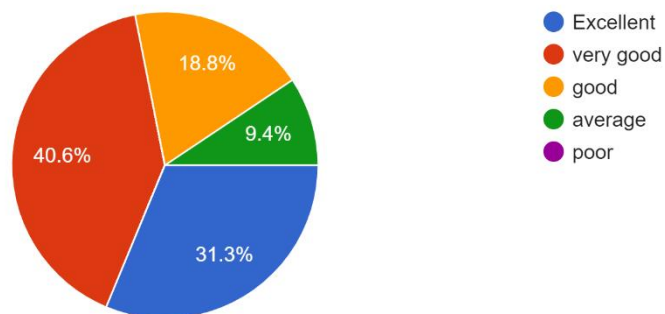
5. How do you rate the amount of content presented?

32 responses

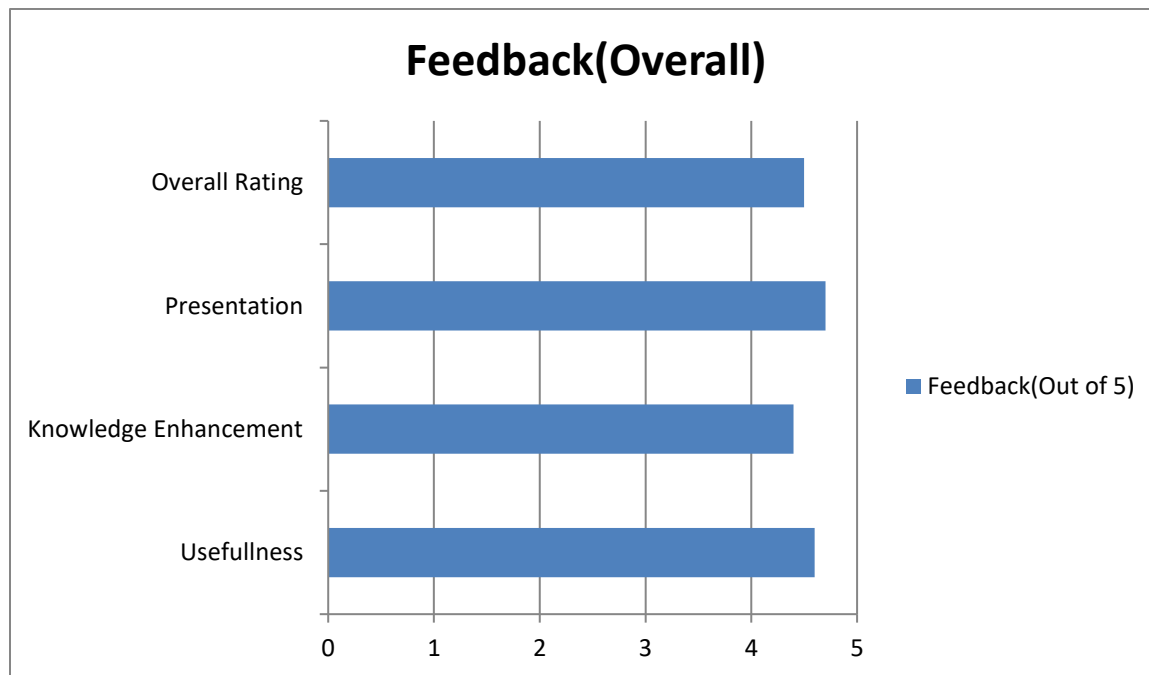


6. How do you rate hands on experience of this lab session?

32 responses



Impact Analysis:



Student List

S.N	Name	Roll No	Div	Year
1	Aakansha Ramesh	119A3001	E	FE
2	Swaranjali Jadhav	119A3049	E	FE
3	Gauri Thube	119A3052	E	FE
4	Rutujeet Falmare	119A1065	D	FE
5	Esakkiappan Thevar	119A1092	D	FE
6	Vignesh Kadam	119A1095	D	FE
7	Minoti Deshmukh	119A1018	C	FE
8	Shruti Iyer	119A1028	C	FE
9	Ananya .L	119A1008	C	FE
10	Ananyaa .S	119A1009	C	FE
11	Samprit Chaurasiya	119A1016	C	FE
12	Anand Borkar	119A1015	C	FE
13	Prathamesh Gawas	119A1024	C	FE
14	Prasad Kulkarni	117A2052	A	TE
15	Suyash karwande	117A2049	A	TE
16	Pournima Thakare	119A1059	D	FE
17	Vaishnavi Anandakrishnan	119A1094	D	FE
18	Sneha Shaji	119A1083	D	FE
19	Megha Nadar	119A1050	D	FE

20	Nidhish Vyas	119A3058	E	FE
21	Prajyot Bhoir	119A3011	E	FE
22	Sahil Shinde	119A3047	E	FE
23	Esha Bawaskar	119A1022	C	FE
24	Ishita Bhargava	119A1026	C	FE
25	Karthik Iyer	119A1027	C	FE
26	Sagar Mane	118A2059	A	SE
27	Shruti Iyer	119A3022	E	FE
28	Anushka Tawte	119A1090	C	FE
29	Rishi Gharat	119A1063	C	FE
30	Vikrant Singh	118A2106	B	SE
31	Vaibhav Singh	118A2105	B	SE
32	Soham Sheth	118A3054	E	SE
33	Saarabi Parkar	118A3034	E	SE
34	Pavitra Venkatraman	118A3036	E	SE
35	Harsh Goyal	118A1025	C	SE
36	Abhishek Singh	119A3004	E	FE
37	Disha Auti	119A3014	E	FE
38	Atharva Vaidya	118A1091	D	SE
39	shiva iyer	118A6013	F	SE
40	Punit Suryarao	118A2107	B	SE
41	Nitika Mhatre	118A2061	B	SE
42	Abhilash Poojary	118A2084	B	SE.

Internship Project

S.N	Name	Roll No	Div	Year	Project idea	
1	Aakansha Ramesh	119A3001	E	FE		
2	Swaranjali Jadhav	119A3049	E	FE		Prof. Pranjali Thakre
3	Gauri Thube	119A3052	E	FE	quiz related to corona virus	
4	Rutujeet Falmare	119A1065	D	FE		
5	Esakkiappan Thevar	119A1092	D	FE		Prof. Prachi shahane
6	Vignesh Kadam	119A1095	D	FE	Movie ticket booking	
7	Minoti Deshmukh	119A1018	C	FE		
8	Shruti Iyer	119A1028	C	FE		
9	Ananya .L	119A1008	C	FE		Prof. Prachi shahane
10	Ananyaa .S	119A1009	C	FE	Scientific calculator	
11	Samprit Chaurasiya	119A1016	C	FE		
12	Anand Borkar	119A1015	C	FE		Prof. Pranjali Thakre
13	Prathamesh Gawas	119A1024	C	FE	E-Restaurant	
14	Prasad Kulkarni	117A2052	A	TE		
15	Suyash karwande	117A2049	A	TE	Snake Game	Prof. Prachi shahane
16	Pournima Thakare	119A1059	D	FE		
17	Vaishnavi Anandkrishnan	119A1094	D	FE		
18	Sneha Shaji	119A1083	D	FE		Dr. Rajesh Kadu
19	Megha Nadar	119A1050	D	FE	Pandemic Data Handling	

20	Nidhish Vyas	119A3058	E	FE		
21	Prajyot Bhoir	119A3011	E	FE		Prof. pranita Mahajan
22	Sahil Shinde	119A3047	E	FE	Phone Book Application	
23	Esha Bawaskar	119A1022	C	FE		
24	Ishita Bhargava	119A1026	C	FE		Prof. pranita Mahajan
25	Karthik Iyer	119A1027	C	FE	Library management	
26	Sagar Mane	118A2059	A	SE	Wage Calculator	Dr. Rajesh Kadu
27	Shruti Iyer	119A3022	E	FE		
28	Anushka Tawte	119A1090	C	FE		Prof. pranita Mahajan
29	Rishi Gharat	119A1063	C	FE	Hangman game	
30	Vikrant Singh	118A2106	B	SE		Prof. Prachi shahane
31	Vaibhav Singh	118A2105	B	SE	Employee Management System	
32	Soham Sheth	118A3054	E	SE		
33	Saarabi Parkar	118A3034	E	SE		Prof. Pranjali Thakre
34	Pavitra Venkatraman	118A3036	E	SE	Inventory management	
35	Harsh Goyal	118A1025	C	SE	Student Management System	Prof. pranita Mahajan
36	Abhishek Singh	119A3004	E	FE		
37	Disha Auti	119A3014	E	FE	Calendar Application	Dr. Rajesh Kadu
38	Atharva Vaidya	118A1091	D	SE		
39	shiva iyer	118A6013	F	SE	Dictionary using trees	Prof. Pranjali Thakre
40	Punit Suryarao	118A2107	B	SE		
41	Nitika Mhatre	118A2061	B	SE	sudoku solver	Prof. Pranjali Thakre
42	Abhilash Poojary	118A2084	B	SE		



CERTIFICATE



CR No : CE/FH2020/ETH01

OF COMPLETION

THIS IS TO CERTIFY THAT

*Mr./Ms. **Aakansha Ramesh***

*has successfully completed the course on
"Advanced C"*

*and fifteen days internship from 22nd June to 4th July held at
SIES Graduate School of Technology. During internship he/she has successfully
completed project titled **Quiz Related to Corona Virus***

Pranjali Thakre

MS. PRANJALI THAKRE
SDP COORDINATOR.

APB

DR. APARNA BANNORE
HEAD, CE DEPT.

Atul Kemkar

DR. ATUL KEMKAR
PRINCIPAL SIES GST.

SIES Graduate School of Technology

Computer Engineering Department

Organizing

Student Development Program and Internship

5 days Hands on Training on

Web Development Technologies

December 4 -9, 2019, 9.30 AM to 5.00 PM

Automation is the current need in all Ecommerce field where Web development plays an important role in all aspects. Considering this objective, we will be grooming in recent web development Technologies and also providing a platform to showcase students ideas on the same.

Objectives:

This Web Development course is without a doubt the most comprehensive web development course will be taught in College. Even if student has zero programming experience, this course will take you from beginner to mastery.

Course Contents:

- HTML5
- CSS3
- JAVASCRIPT
- BOOTSRAP
- PHP
- DATABASE CONNECTIVITY
- PROJECT

Who Should Attend: Engineering Student interested in pursuing career in Web Development.

Course Fee: Free of Cost

Certificate: Yes

Internship: At the end of 5 days program participants will undergo 15 days internship covering real world projects (For ex:College/Bank Sector/Medical Sector/Insurance sector/IT Sector)

Outcomes:

- This SDP will be able to design Website and Host it on server.

Contact for Registration:

Prof.Kranti Bade: bade.kranti@siesgst.ac.in, 8169415347

Prof.Namrata Patel:namrata.patel@siesgst.ac.in,9820298932



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



Department of Computer Department

Event Report

SDP ON “WEB DESIGNING TECHNOLOGIES”

Event Information
Event Type: Student Development Program (SDP)
Event Title: Web Designing Technologies
Resource Person: Prof. Masooda Modak, Prof. Namrata Patel, Prof. Ujwala Ravale Prof. Kranti Bade
Event Date: 4th Dec – 19th Dec 2019
Organized for: SE Extc Students
Organized by: SIES GST Computer Dept
Target Audience (Branch & Nos.): Undergraduate Students EXTC total 25 students
Attachments: 1. Photographs (JPEG/PNG) 2. Attendance Report 3. Feedback Report

Event Description

Computer Department of SIES GST organized and conducted a student development program on Web designing Technologies from 4th December 2019 to 19th December 2019 between 10 am to 4 pm at SIES Graduate School of Technology, Nerul.

The SDP sessions are conducted by computer department faculties. They taught web technologies in which they have covered client and server side markup and scripting languages such as HTML5, CSS3, Javascript, PHP and MYSQL Database connectivity. Students had given hands-on training sessions on every language. Students have got good exposure to web designing technologies. At the end of SDP session students have completed their website for given topic.

Total 25 participants attended the session of second year EXTC Department. The concluding remarks were given by Ms. Aparna Bannore, HOD of CE SIES GST. The session was received with admiration by the students.

1. Photographs (in JPEG/PNG):



2. Attendance and Feedback Report (Scanned copy):

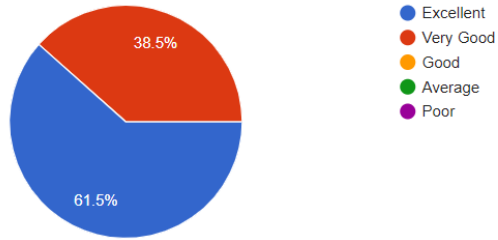
Attendance report for (SDP)
Web Design Lab

Sl. No.	Roll No.	Name	Date: 4/12/2019		Date: 5/12/2019		Date: 6/12/2019		Date: 7/12/2019		Date: 9/12/2019	
			FH-half	SH-half	FH-half	SH-half	FH-half	SH-half	FH-half	SH-half	FH-half	SH-half
1	118A2061	Ms. Nitika Mhatre										
2	118A2063	Mr Shubham Mishra										
3	118A2065	Mr Rohan More										
4	118A2066	Ms Simran Mukadam										
5	118A2067	Ms Vaishnavi Mukku										
6	118A2068	Mr Aniket Molk										
7	118A2069	Mr. Ruben Jayakumar										
8	118A2070	Ms Payal Nagaonkar										
9	118A2071	Mr Akhil Nair										
10	118A2072	Mr Pranav Nair										
11	118A2073	Ms Ritika Nair										
12	118A2074	Ms Akanksha Nakoti										
13	118A2075	Ms Parvati Pandaram										
14	118A2076	Mr Gaurav Pandey										
15	118A2078	Ms Sneha Parne										
16	118A2079	Ms Srishti Patil										
17	118A2080	Mr. Sagar Pawar										
18	118A2081	Mr. Sahil Pednekar										
19	118A2082	Mr. Ganesh Pillai										
20	118A2083	Mr. Prathamesh polsane										
21	118A2084	Mr. Abhilash Poojary										
22	118A2085	Mr. Niranjan Raje										
23	118A2086	Mr Ramprakash Manoherraj										
24	118A2087	Ms Vilasini Rankar										
25	118A2088	Ms Aditi Rao										
26	118A2089	Mr. Akanksh Rao										
27	118A2090	Mr. Lakshab										
28	118A2091	Mr Sandargiri Nitesh										
29	118A2092	Ms Saronhly Thangaraj										
30	118A2093	Mr. Satishkumar sivaraman										
31	118A2094	Mr Siddhesh Sawant										
32	118A2095	Mr Awaz Shaikh										
33	118A2096	Ms Pooja Sharma										
34	118A2097	Ms Sakshi Shetty										
35	118A2111	Shruti Thewar										
36	118A2099	Arundh Shinde										

Feedback Analysis from Google Form

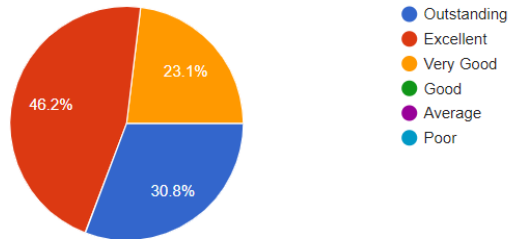
1. General impression about the content of the course? *

13 responses



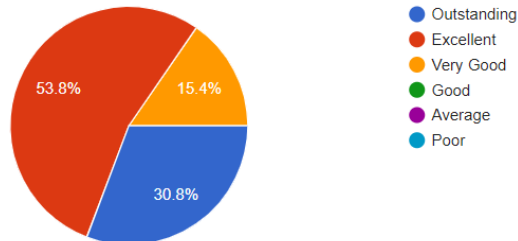
2. How well did the content address your expectations? *

13 responses



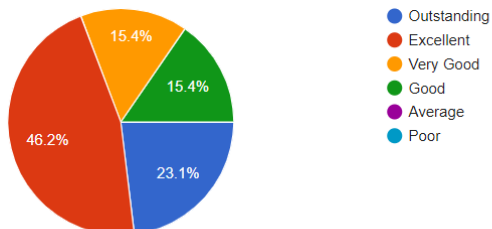
3. How do you rate the quality of content presented? *

13 responses



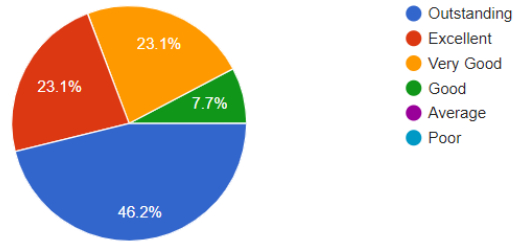
4. How relevant was the content to your profession? *

13 responses



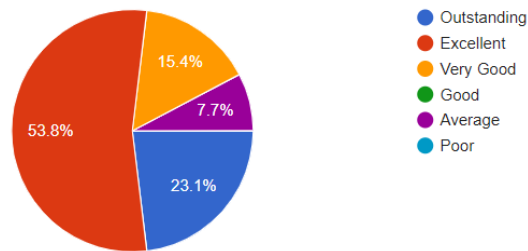
5. How do you rate the amount of content presented? *

13 responses

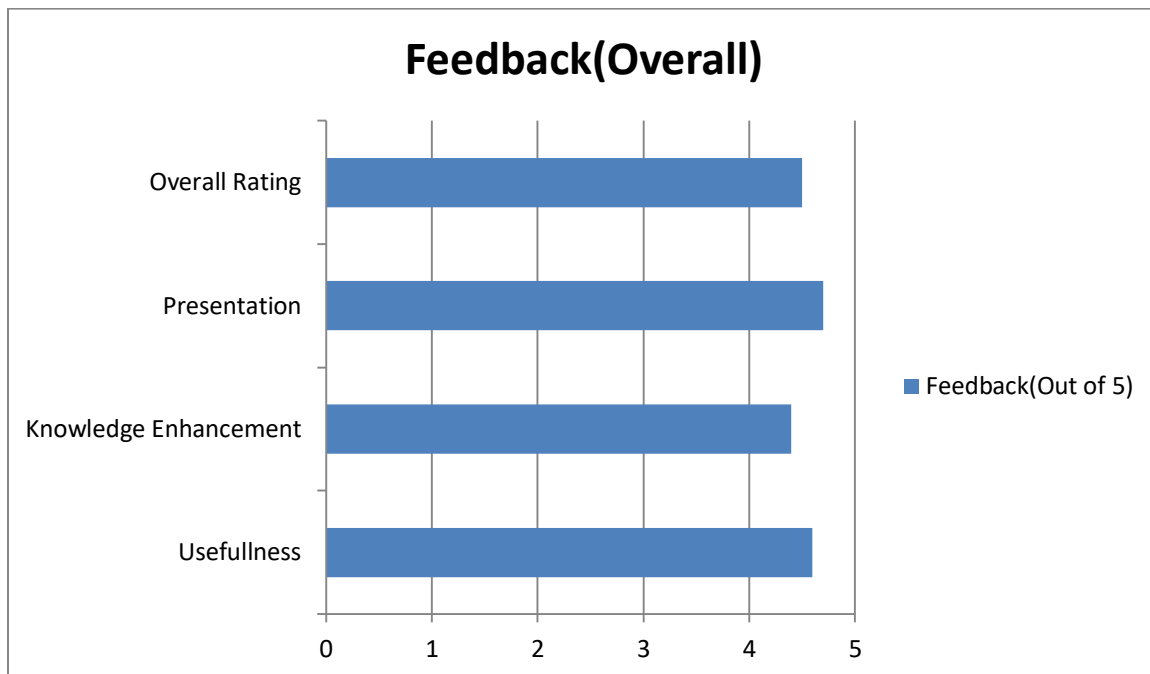


6. How do you rate hands on experience of this lab session? *

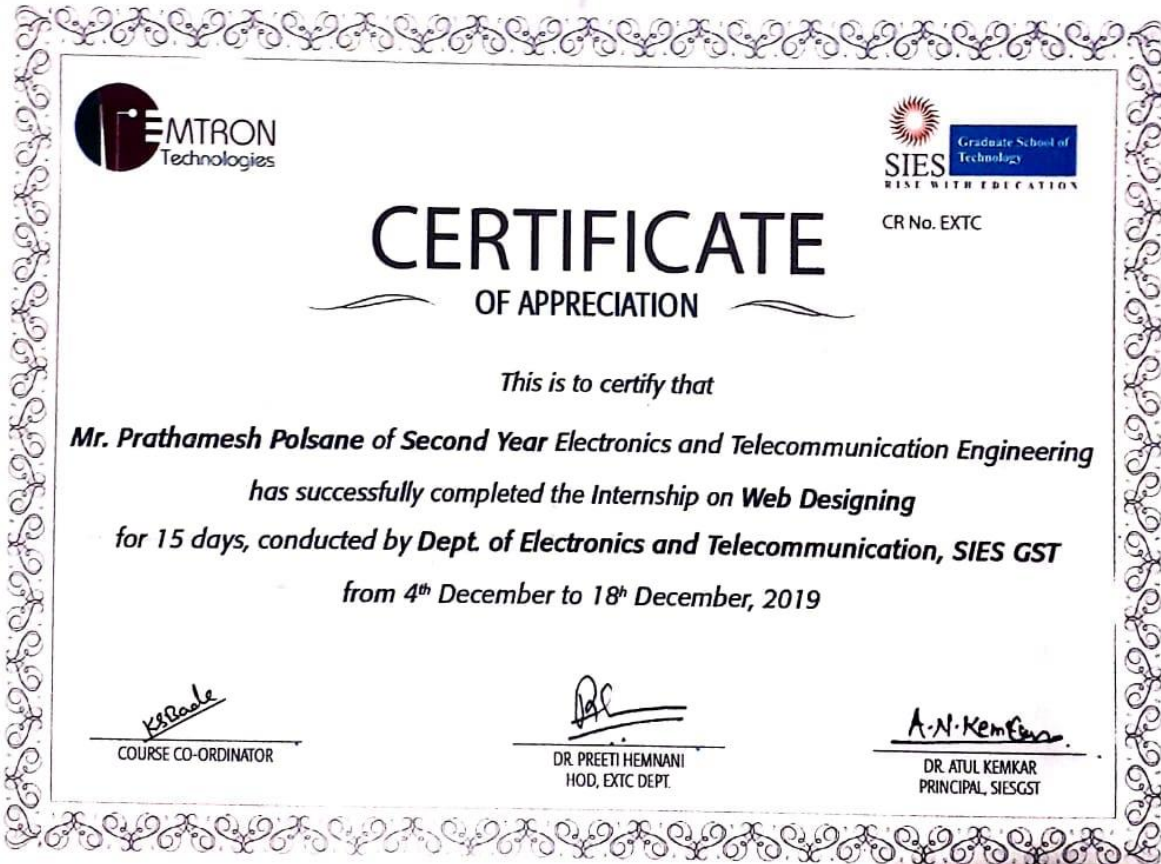
13 responses



Impact Analysis:



Certificate



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

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



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



Department of Computer Engineering

Event Report

Student Development Program Software Design

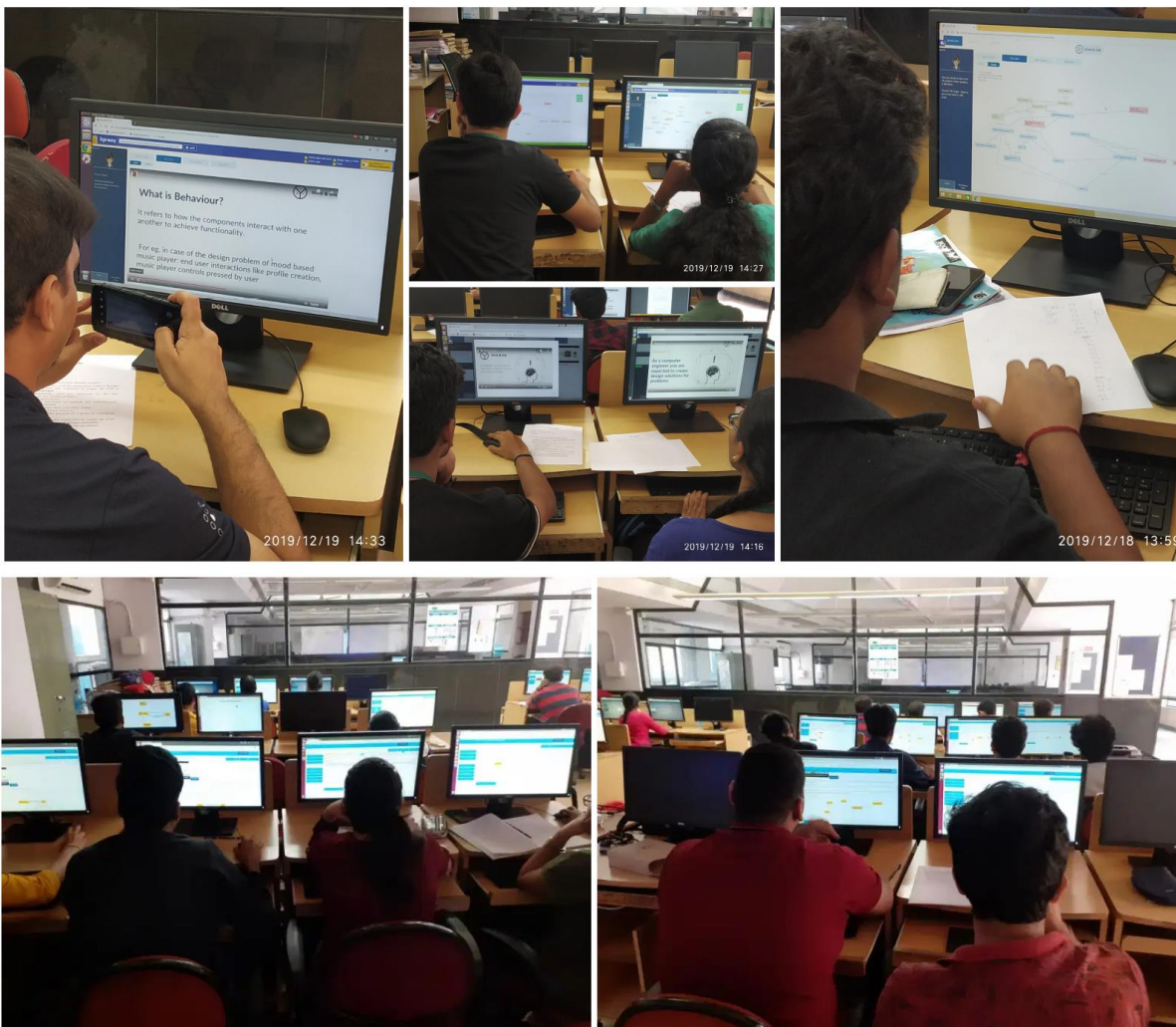
Event Information
Event Type: Workshop followed by internship
Event Title: Software Design and Internship
Resource Person: Dr. Deepti Reddy (Associate Professor, SIESGST) Mr. Prajish P (Research Scholar, IITB) Ms. T.G. Lakshmi (Research Scholar, IITB) Prof. Sunil K Punjabi (Assistant Professor, SIESGST)
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

-Mahithasree saktikumar
--Adyasha mishra

Software designing
Farmer helper

Introduction

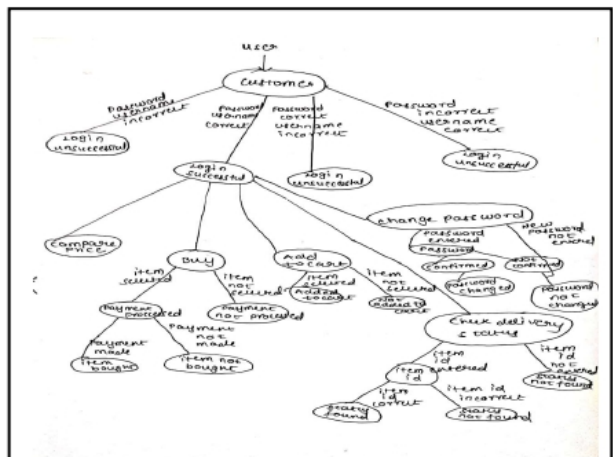
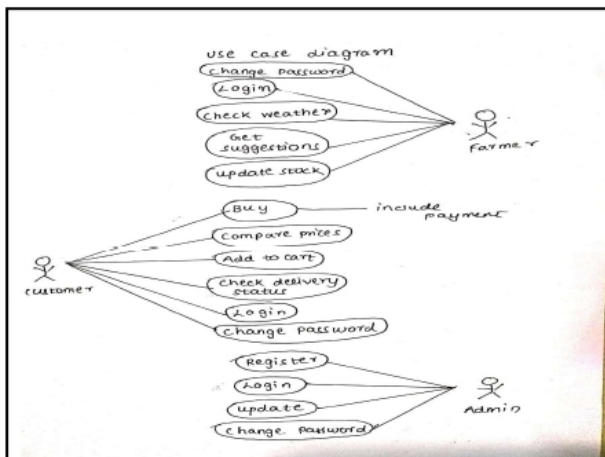
- Abstract:** Farming is the Prime Occupation in India in spite of this, today the people involved in farming belongs to the lower class and is in deep poverty. The Advanced techniques and the Automated machines which are leading the world to new heights, is been lagging when it is concerned to Farming, either the lack of awareness of the advanced facilities or the unavailability leads to the poverty in Farming. Even after all the hard work 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 stock
- Compare prices
- Check delivery status
- Register
- Login
- Update
- Buy
- Add to cart



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 Challiyil	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	
mahitha 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	SARAY APP	Mayur
	Sujoy Banerjee	WOMEN SAFETY APP	Sujoy
	Shreyas C R		Shreyas
Group 2 •	Tanuj Palaspagar	DEPRESSION COPING SYSTEM &	Tanuj
	Kaustubh Langade	COUNSELLING SERVICES FOR MENTAL DISABILITIES	Kaustubh
Group 3	Sharan Murlu	E-Healthcare system	Sharan
	Girish Gunaji Parulekar		Girish
	Ratish Shinde		Ratish
Group 4	Nikhil Sabe	Safety App	Nikhil
	Udiyar Santhiya Ramesh		Udiyar
	Thevar Mahalakshmi Murugan		Thevar
Group 5 •	Kedar Sant		Kedar
	Suyra Krishna		Suyra
	Sharma Nishant Shreegopal		Nishant
Group 6	Yagnesh Narayanan	Movie Maker's Task	Yagnesh
	Anandteertha Rao	manager	Anand
Group 7	Atharva Vaidya		Atharva
Group 7	Shreya Khare	Safety and Security System	Shreya
Group 8	Nikhitha Jayaprakash		Nikhitha
Group 8 •	Adyasha mishra	Farmer's Patal	Adyasha
	Mahitha sree Sakthi Kumar	Farmer's Patal	Mahitha

75
76
77

SARAY APP
" 73

Sample Certificate

		 SIES Graduate School of Technology RISE WITH EDUCATION
<h1>CERTIFICATE</h1> OF COMPLETION		CR No.CE/
<p><i>This is to certify that</i></p>		
Mr./Ms.	<i>Kaustubh Langade</i>	
<p><i>has successfully completed the course on</i></p>		
<i>“Software Design”</i>		
<p><i>and fifteen days internship from 16th Dec to 4th Jan , 2019 held at</i></p>		
<p><i>SIES Graduate School of Technology. During internship he/she has successfully</i></p>		
<p><i>completed project titled “Depression Coping System”</i></p>		
		
DR. DEEPTI REDDY COURSE COORDINATOR	DR. APARNA BANNORE HOD, CE DEPT.	DR. ATUL KEMKAR PRINCIPAL, SIES GST

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 *C'COVID Data rorecastin*



Pranita Mahajan
WORKSHOP COORDINATOR



Dr. Aparna Bannore
HEAD CE, DEPT



DP. Atul Kemkar
I/C PRINCIPAL SIESGST

Department of Information Technology
Event Report

SDP on Skill Development Training

(June 15-26, 2020)

Event Information		
Event Type: Student Development Program		
Event title: Skill Development Training		
Resource Person: <ol style="list-style-type: none"> 1. Prof. Savita Lohiya 2. Prof. Saritha L.R. 3. Prof. Stuti Ahuja 4. Prof. Amit Pandhare 		
Event date: June 15-26, 2020.	From: 10:30 AM	To: 3:30 PM
Organized for: Students (TE/BE – IT/CE/EXTC)		
Organized by: IETE Students' Forum		
Target audience (branch & nos.): 20 Students from TE/BE – IT/CE/EXTC		
Attachments: <ol style="list-style-type: none"> 1. Photographs (in JPEG/PNG) 2. Attendance report 3. Feedback 4. Impact Analysis 		

Event Description


IETE Students' Forum of SIES Graduate School of Technology, Nerul, conducted a student development program on Skill Development Training. It was conducted by Prof. Savita Lohiya, Prof. Saritha L.R., Prof. Stuti Ahuja and Prof. Amit Pandhare from June 15-26, 2020 for the Students of TE/BE IT/CE/EXTC.

This Student development program was divided into five modules, Module one was Object Oriented concepts and Programming with Java in which basic concept of java taken which are important for placement point of view like inheritance, polymorphism, classes and objects are taken. In second module fundamental concepts in Database Management Systems and SQL is taken.

In third module basic data structure concept such as stacks, Queues, linked lists, collections are taken. In this module advanced concept like Algorithms and Complexity is also taken which is very important topic from placement point of view. Fourth module is dedicated for Aptitude training which is very important topic for placements. In this module different practice session is organized for students.

The last of the session was focused on case mini project where each students have to complete mini project at Home and give online presentation.

1. Photographs/Screenshots: (Glimpse of a session conducted through Google Meet)



The screenshot displays a Google Meet interface. On the left, a large orange rectangle contains the word "Abstraction". The main content area shows a slide titled "Java Abstraction" with the subtitle "RealTime example program/code" and the URL "tutorial.eyehunts.com". The slide features a class hierarchy diagram where "Fruits" is an "Abstract Class" (indicated by a blue circle and a label) and "Apple" and "Mango" are subclasses (indicated by red and yellow circles respectively). Arrows point from "Fruits" to "Apple" and "Mango". A small circular video feed of a participant is visible on the right side of the screen. At the bottom, a control bar shows "meet.google.com is sharing your screen" with "Stop sharing" and "Hide" buttons, and the name "AMIT PANDHARE" is visible.

```
public class demo3
{
    public static void main
    {
        System.out.println
    }
}
```

```
Microsoft Windows [Version 10.0.18363.900]
(c) 2019 Microsoft Corporation. All rights reserved.

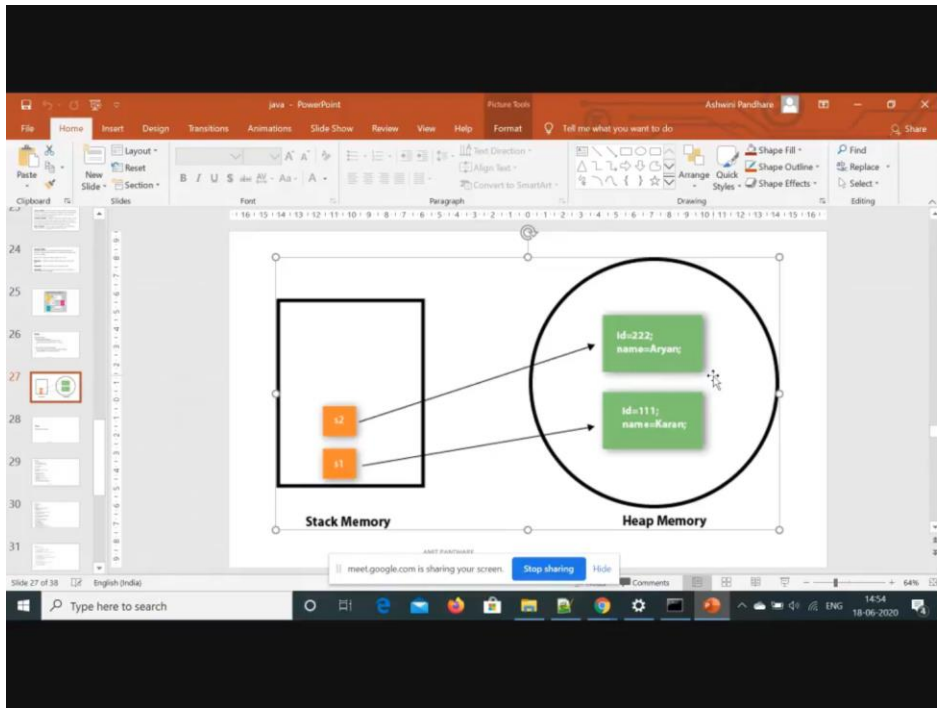
C:\Users\Ashwini>cd Desktop
C:\Users\Ashwini\Desktop>cd java
C:\Users\Ashwini\Desktop\java>javac java2.java
C:\Users\Ashwini\Desktop\java>java demo3
Hello World

C:\Users\Ashwini\Desktop\java>javac java2.java
java2.java:1: error: class demo3 is public, should be declared in a file named demo3.java
public class demo3
^
1 error

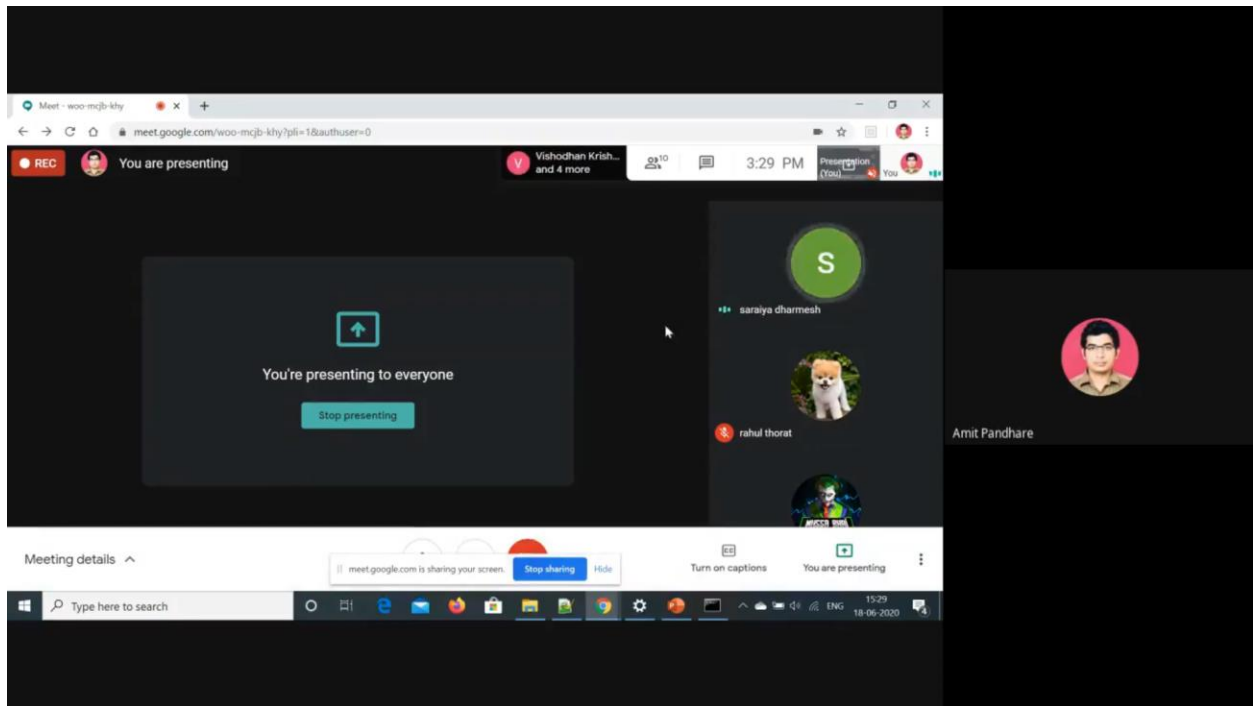
C:\Users\Ashwini\Desktop\java>
```



Amit Pandhare



Amit Pandhare



2. Attendance report (Day wise attendance recorded through Google Forms)

Day 1 - 15/06/2020

Sr.no	Roll No.	Name
1	117A3049	Geeta Seshapalli
2	117A3061	Vishodhan krishnan
3	218A3075	Dev Thakkar

4	218A3076	Krishna Tiwari
5	117A3060	Rahul thorat
6	117A3001	Abhilash Nayak
7	117A3047	Dharmesh Saraiya
8	118A1058	Nikhitha Jayaprakash
9	118A1088	Thevar Mahalakshmi Murugan
10	118A1029	Vineet Anant iyer
11	118A1084	Shreya Khare

Day 2 - 16/06/2020

Sr.no	Roll No.	Name
1	117A3049	Geeta Seshapalli
2	117A3061	Vishodhan krishnan
3	218A3075	Dev Thakkar
4	218A3076	Krishna Tiwari
5	117A3060	Rahul thorat
6	117A3001	Abhilash Nayak
7	117A3047	Dharmesh Saraiya
8	118A1058	Nikhitha Jayaprakash
9	118A1088	Thevar Mahalakshmi Murugan
10	118A1029	Vineet Anant iyer
11	118A1084	Shreya Khare

Day 3 - 17/06/2020

Sr.no	Roll No.	Name
1	117A3049	Geeta Seshapalli
2	117A3061	Vishodhan krishnan
3	218A3075	Dev Thakkar
4	218A3076	Krishna Tiwari
5	117A3060	Rahul thorat
6	117A3001	Abhilash Nayak
7	117A3047	Dharmesh Saraiya
8	118A1058	Nikhitha Jayaprakash
9	118A1088	Thevar Mahalakshmi Murugan
10	118A1029	Vineet Anant iyer
11	118A1084	Shreya Khare

Day 4 - 18/06/2020

Sr.no	Roll No.	Name
1	117A3049	Geeta Seshapalli
2	117A3061	Vishodhan krishnan
3	218A3075	Dev Thakkar
4	218A3076	Krishna Tiwari
5	117A3060	Rahul thorat
6	117A3001	Abhilash Nayak
7	117A3047	Dharmesh Saraiya
8	118A1058	Nikhitha Jayaprakash

9	118A1088	Thevar Mahalakshmi Murugan
10	118A1029	Vineet Anant iyer
11	118A1084	Shreya Khare

Day 5 - 19/06/2020

Sr.no	Roll No.	Name
1	117A3049	Geeta Seshapalli
2	117A3061	Vishodhan krishnan
3	218A3075	Dev Thakkar
4	218A3076	Krishna Tiwari
5	117A3060	Rahul thorat
6	117A3001	Abhilash Nayak
7	117A3047	Dharmesh Saraiya
8	118A1058	Nikhitha Jayaprakash
9	118A1088	Thevar Mahalakshmi Murugan
10	118A1029	Vineet Anant iyer
11	118A1084	Shreya Khare

Day 6 - 22/06/2020

Sr.no	Roll No.	Name
1	117A3049	Geeta Seshapalli
2	117A3061	Vishodhan krishnan
3	218A3075	Dev Thakkar
4	218A3076	Krishna Tiwari
5	117A3060	Rahul thorat

6	117A3001	Abhilash Nayak
7	117A3047	Dharmesh Saraiya
8	118A1058	Nikhitha Jayaprakash
9	118A1088	Thevar Mahalakshmi Murugan
10	118A1029	Vineet Anant iyer
11	118A1084	Shreya Khare

Day 7 - 23/06/2020

Sr.no	Roll No.	Name
1	117A3049	Geeta Seshapalli
2	117A3061	Vishodhan krishnan
3	218A3075	Dev Thakkar
4	218A3076	Krishna Tiwari
5	117A3060	Rahul thorat
6	117A3001	Abhilash Nayak
7	117A3047	Dharmesh Saraiya
8	118A1058	Nikhitha Jayaprakash
9	118A1088	Thevar Mahalakshmi Murugan
10	118A1029	Vineet Anant iyer
11	118A1084	Shreya Khare

Day 8 - 24/06/2020

Sr.no	Roll No.	Name
1	117A3049	Geeta Seshapalli
2	117A3061	Vishodhan krishnan

3	218A3075	Dev Thakkar
4	218A3076	Krishna Tiwari
5	117A3060	Rahul thorat
6	117A3001	Abhilash Nayak
7	117A3047	Dharmesh Saraiya
8	118A1058	Nikhitha Jayaprakash
9	118A1088	Thevar Mahalakshmi Murugan
10	118A1084	Shreya Khare

Day 9 - 25/06/2020

Sr.no	Roll No.	Name
1	117A3049	Geeta Seshapalli
2	117A3061	Vishodhan krishnan
3	218A3075	Dev Thakkar
4	218A3076	Krishna Tiwari
5	117A3060	Rahul thorat
6	117A3001	Abhilash Nayak
7	117A3047	Dharmesh Saraiya
8	118A1058	Nikhitha Jayaprakash
9	118A1088	Thevar Mahalakshmi Murugan
10	118A1084	Shreya Khare

Day 10 - 26/06/2020

Sr.no	Roll No.	Name
1	117A3049	Geeta Seshapalli

2	117A3061	Vishodhan krishnan
3	218A3075	Dev Thakkar
4	218A3076	Krishna Tiwari
5	117A3060	Rahul thorat
6	117A3001	Abhilash Nayak
7	117A3047	Dharmesh Saraiya
8	118A1058	Nikhitha Jayaprakash
9	118A1088	Thevar Mahalakshmi Murugan
10	118A1084	Shreya Khare

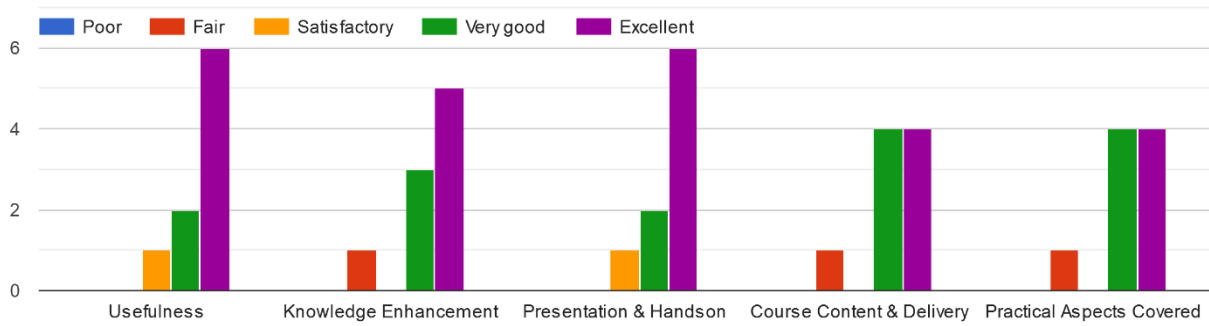
3. Feedback Analysis: (Overall feedback of SDP, session wise feedback and overall effectiveness of session recorded through Google Forms)

Impact Analysis: This Student development program has contributed to learning in different ways. Students have gained the knowledge and exposure to different core subjects like Java, Data structure, DBMS and Aptitude test which are very important for their placement point of view. This course is designed to bush up their knowledge and make them ready for placements.

Contribution to learning

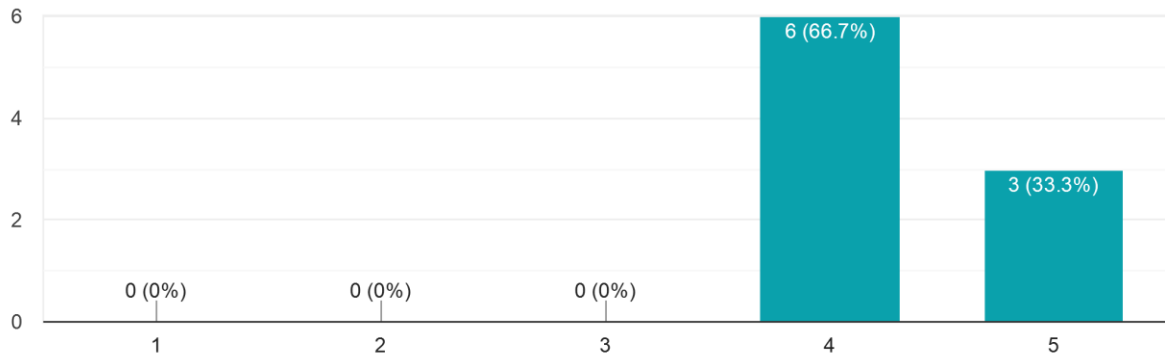


Overall Feedback



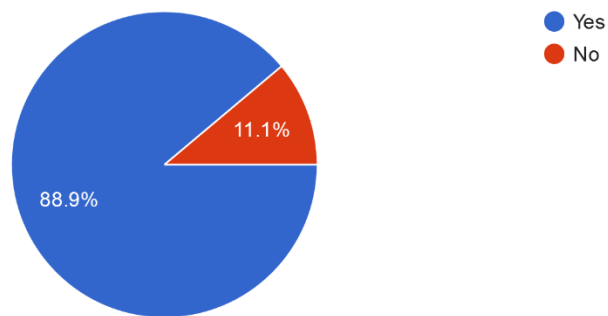
Please rate the overall effectiveness of the 2 weeks sessions (1 to 5 where 1 stands for fair and 5 for excellent) *

9 responses



Would you like to attend more such SDPs?

9 responses



Department of Information Technology
Event Report

SDP on Data Mining and Analytics
(June 15-26, 2020)

Event Information		
Event Type: Student Development Program		
Event title: Data Mining and Analytics		
Resource Person: 1. Prof. Mrinal Khadse 2. Prof. Seema Redekar		
Event date: June 15-26, 2020.	From: 10:30 AM	To: 3:30 PM
Organized for: Students (SE/TE)		
Organized by: IETE Students' Forum		
Target audience (branch & nos.): SE/TE (IT /CE & 20)		
Attachments: 1. Photographs (in JPEG/PNG) 2. Attendance report 3. Feedback 4. Impact Analysis		

Event Description

IETE Students' Forum of SIES Graduate School of Technology, Nerul, conducted a student development program on Data Mining and Analytics. It was conducted by Prof. Mrinal Khadse and Prof. Seema Redekar from June 15-26, 2020 for SE/TE IT/CE students.

On the first three days of sessions, the topics such as basic introduction to Data mining, Regression Analysis, Classification etc were covered. The students were introduced with the concepts of Data Mining Techniques such as Market Basket Analysis, Association rules, Apriori algorithm and Clustering. They were taught concepts such as classification, clustering, regression etc. with programming examples using R/Python to solve and understand.

Following were the contents of course:

Module 1: Basic Introduction of Data Mining,.

Module 2: Regression Analysis: Linear regression (Th+Pr)

Module 3: Classification: Attribute Selection Measures : Decision Tree (Th+Pr)

Module 4: Data Mining Techniques: Association: Market Basket Analysis, Frequent Itemsets.

Module 5: Association Rules; Frequent Pattern Mining, Apriori Algorithm (Th +Pr)

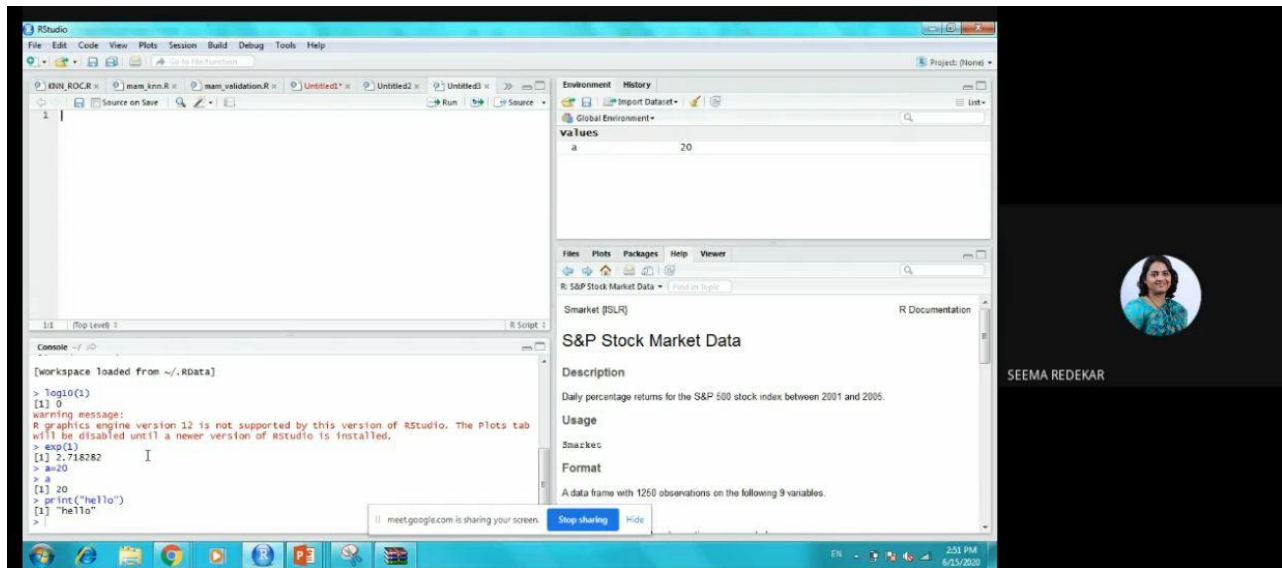
Module 6: Clustering: Partitioning Method : K-Means (Th+Pr)

Module 7: Case Studies : Data analytics case studies.

Module 8: Mini Project Implementation.

The rest of the session was focused on case studies based on data analytics and ended with the demonstration of already implemented real-world problem statements. The students were each given various exercises and project problems to solve at home.

1. Photographs/Screenshots: (Glimpse of a session conducted through Google Meet)



2. Attendance report (Day wise attendance recorded through Google Forms)

Day1-15/06/2020

Sr.no	Name	Roll No.	Branch	Class
1	Rishabh Maurya	118A1045	CE	SE
2	Ijaj Patel	117A3037	IT	TE
3	Sandip Mondal	117A3029	IT	TE
4	Atharva Mitragotri	117A3028	IT	TE
5	Anushree Kolhe	118A1034	CE	SE
6	Sujay Kadam	117A3019	IT	TE
7	Sayed Afroz	115a3049	IT	TE
8	Prajakta Lunawat	117A3024	IT	TE
9	Adarsh Hemant Kenjale	117A3020	IT	TE
10	Dv Karthikeyan Velladurai	117A3010	IT	TE
11	Tanya Stanley	218A3074	IT	TE
12	Aditi Sawant	118A3050	IT	SE
13	Rao Bhagyashree Venkateshkumar	118A1068	CE	SE
14	Amrita Nair	117A3033	IT	TE
15	vighnesh kadam	119A1095	CE	SE
16	Tanvi Jadhav	117A3015	IT	TE
17	Sairam iyengar	118a3018	IT	SE
18	Dhanvi Mange	119A3013	IT	SE
19	Darshan Patel	118A1020	CE	SE
20	Aditi Namdek	117A3003	IT	TE

Day2-16/06/2020

Sr.no	Name	Roll No.	Branch	Class
1	Rishabh Maurya	118A1045	CE	SE
2	Ijaj Patel	117A3037	IT	TE
3	Sandip Mondal	117A3029	IT	TE

4	Atharva Mitragotri	117A3028	IT	TE
5	Anushree Kolhe	118A1034	CE	SE
6	Sujay Kadam	117A3019	IT	TE
7	Afroz Sayed	115a3049	IT	TE
8	Prajakta Lunawat	117A3024	IT	TE
9	Adarsh Hemant Kenjale	117A3020	IT	TE
10	Dv Karthikeyan Velladurai	117A3010	IT	TE
11	Tanya Stanley	218A3074	IT	TE
12	Aditi Sawant	118A3050	IT	SE
13	Rao Bhagyashree Venkateshkumar	118A1068	CE	SE
14	Amrita Nair	117A3033	IT	TE
15	vighnesh kadam	119A1095	CE	SE
16	Tanvi Jadhav	117A3015	IT	TE
17	Sairam iyengar	118a3018	IT	SE
18	Dhanvi Mange	119A3013	IT	SE
19	Darshan Patel	118A1020	CE	SE
20	Aditi Namdeo	117A3003	IT	TE
21	Ishita Paul	118A1061	CE	SE

Day3-17/06/2020

Sr.no	Name	Roll No.	Branch	Class
1	Rishabh Maurya	118A1045	CE	SE
2	Ijaj patel	117A3037	IT	TE
3	Sandip Mondal	117A3029	IT	TE
4	Atharva Mitragotri	117A3028	IT	TE
5	Anushree Kolhe	118A1034	CE	SE
6	Sujay Kadam	117A3019	IT	TE
7	Sayed Afroz	115a3049	IT	TE
8	Prajakta Lunawat	117A3024	IT	TE
9	Adarsh Hemant Kenjale	117A3020	IT	TE

10	Dv Karthikeyan Velladurai	117A3010	IT	TE
11	Tanya Stanley	218A3074	IT	TE
12	Aditi Sawant	118A3050	IT	SE
13	Rao Bhagyashree Venkateshkumar	118A1068	CE	SE
14	Amrita Nair	117A3033	IT	TE
15	vighnesh kadam	119A1095	CE	SE
16	Tanvi Jadhav	117A3015	IT	TE
17	Sairam iyengar	118a3018	IT	SE
18	Darshan Patel	118A1020	CE	SE
19	Aditi Namdeo	117A3003	IT	TE
20	Ishita Paul	118A1061	CE	SE

Day4-18/06/2020

Sr.no	Name	Roll No.	Branch	Class
1	Ijaj Patel	117A3037	IT	TE
2	Anushree Kolhe	118A1034	CE	SE
3	Prajakta Lunawat	117A3024	IT	TE
4	Sairam iyengar	118a3018	IT	SE
5	Amrita Nair	117A3033	IT	TE
6	Rao Bhagyashree Venkateshkumar	118A1068	CE	SE
7	Dv Karthikeyan Velladurai	117A3010	IT	TE
8	Adarsh Hemant Kenjale	117A3020	IT	TE
9	Atharva Mitragotri	117A3028	IT	TE
10	Aditi Namdeo	117A3003	IT	TE
11	Rishabh Maurya	118A1045	CE	SE
12	Sayed afroz	115a3049	IT	TE
13	Tanvi Jadhav	117A3015	IT	TE
14	Sandip Mondal	117A3029	IT	TE
15	Tanya Stanley	218A3074	IT	TE
16	Aditi Sawant	118A3050	IT	SE
17	Sujay Kadam	117A3019	IT	TE

Day5-19/06/2020

Sr.no	Name	Roll No.	Branch	Class
1	Ijaj Patel	117A3037	IT	TE
2	Anushree Kolhe	118A1034	CE	SE
3	Prajakta Lunawat	117A3024	IT	TE
4	Sairam	118a3018	IT	SE
5	AmritaNair	117A3033	IT	TE
6	Rao Bhagyashree Venkateshkumar	118A1068	CE	SE
7	Dv Karthikeyan Velladurai	117A3010	IT	TE
8	Adarsh Hemant Kenjale	117A3020	IT	TE
9	Atharva Mitragotri	117A3028	IT	TE
10	Aditi Namdeo	117A3003	IT	TE
11	Rishabh Maurya	118A1045	CE	SE
12	Sayed Afroz	115a3049	IT	TE
13	Tanvi Jadhav	117A3015	IT	TE
14	Sandip Mondal	117A3029	IT	TE
15	Tanya Stanley	218A3074	IT	TE
16	Aditi Sawant	118A3050	IT	SE
17	Ishita Paul	118A1061	CE	SE

Day6-22/06/2020

Sr.no	Name	Roll No.	Branch	Class
1	Rishabh Maurya	118A1045	CE	SE
2	Aditi Sawant	118A3050	IT	SE
3	Sairam	118a3018	IT	SE
4	Adarsh Hemant Kenjale	117A3020	IT	TE
5	Afroz sayed	115a3049	IT	TE
6	Ishita Paul	118A1061	CE	SE
7	Rao Bhagyashree Venkateshkumar	118A1068	CE	SE

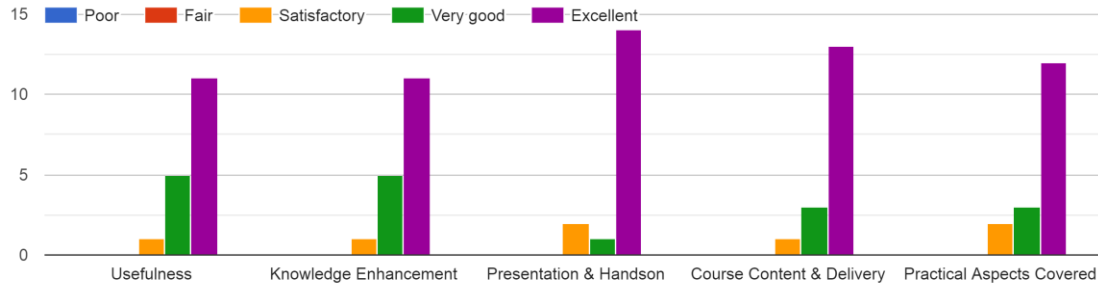
8	Ijaj Patel	117A3037	IT	BE
9	Aditi Namdeo	117A3003	IT	TE
10	Tanya Stanley	218A3074	IT	TE
11	Prajakta Lunawat	117A3024	IT	TE
12	Amrita Nair	117A3033	IT	TE
13	Sandip Mondal	117A3029	IT	TE
14	Atharva Mitragotri	117A3028	IT	TE
15	Dv Karthikeyan Velladurai	117A3010	IT	TE
16	Tanvi Jadhav	117A3015	IT	TE

Day7-23/06/2020

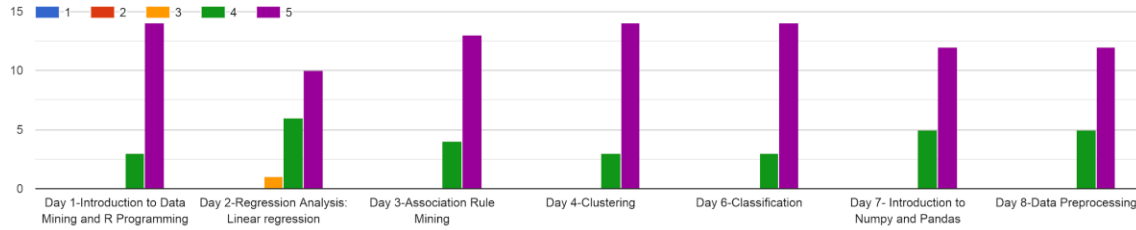
Sr.no	Name	Roll No.	Branch	Class
1	Sairam	118a3018	IT	SE
2	Dv Karthikeyan Velladurai	117A3010	IT	TE
3	Atharva Mitragotri	117A3028	IT	TE
4	Sandip Mondal	117A3029	IT	TE
5	Adarsh Hemant Kenjale	117A3020	IT	TE
6	Aditi Sawant	118A3050	IT	SE
7	Amrita Nair	117A3033	IT	TE
8	Afroz Sayed	115a3049	IT	TE
9	Rishabh Maurya	118A1045	CE	SE
10	Anushree Kolhe	118A1034	CE	SE
11	Aditi Namdeo	117A3003	IT	TE
12	Rao Bhagyashree Venkatesh K.	118A1068	CE	SE
13	Tanvi Jadhav	117A3015	IT	TE
14	Ishita Paul	118A1061	CE	SE
15	Prajakta Lunawat	117A3024	IT	TE
16	Ijaj Ptael	117A3037	IT	TE
17	Tanya Stanley	218A3074	IT	TE

3. Feedback Analysis: (Overall feedback of SDP, session wise feedback and overall effectiveness of session recorded through Google Forms)

Overall Feedback

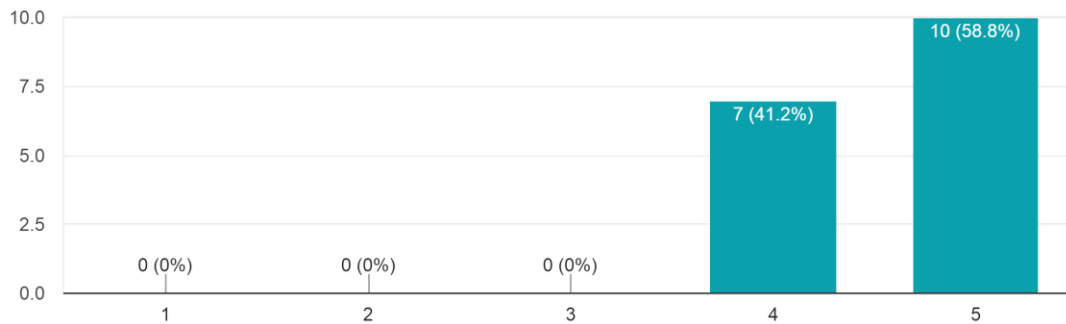


Please share your feedback for individual session (1 to 5 where 1 stands for fair and 5 for excellent)



Please rate the overall effectiveness of the 2 weeks sessions (1 to 5 where 1 stands for fair and 5 for excellent) *

17 responses



Impact Analysis: This Student development program has contributed to learning in different ways. Students have gained the knowledge and exposure to different data mining algorithms using Python and R. Designed for students with a variety of professional backgrounds and experience

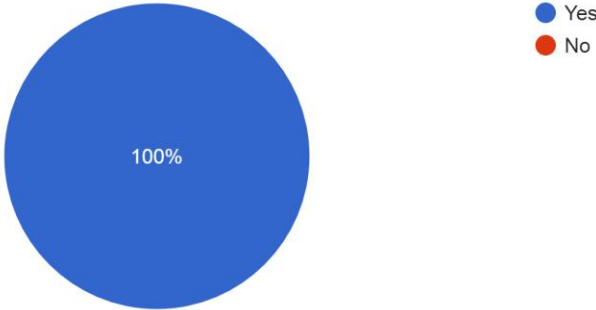
levels including beginners, this course takes a deep dive into the fundamentals of Database Mining and Analytics.

Contribution to learning



Would you like to attend more such SDPs?

17 responses



Department of Information Technology

Event Report

Title of event
(27/6/2019-31/8/2019)

Event Information	
Event Type: Certification Course (40 hrs)	
Event title: CCNA ROUTING AND SWITCHING	
Resource Person: Dr. K. Lakshmi Sudha	
Event date: From: 27/6/2019	To:31/8/2019
Organized for: Students	
Organized by: Dr. K.Lakshmi Sudha	
Target audience (branch & nos.): SE/TE/BE- EXTC/IT/CE	
Attachments: 1. Photographs (in JPEG/PNG) 2. Attendance report 3. Feedback	

Event Description

This certification course is designed to impart knowledge about the fundamentals of Computer Networks, various protocols used in Communication, Managing and configuring Cisco Switches and Routers. It is also designed to give exposure on building a Network. The course has been divided into four modules.

Module 1: Introduction

Module 2: Configuration of Router and Switch.

Module 3: Implementation of DHCP, ACL, NAT, PAT etc.

Module 4: Password Recovery, Backup of running config to startup config.

Module 1: This module covers the basic introduction on Networking, types of Computer Networks, OSI model, TCP/IP model, IP addressing, Subnet mask problems on IP addressing, subnet mask. (Total -5 hrs)

Module 2: In this module students learnt the basics commands on router using Cisco packet tracer, configuration of routers, Static and Dynamic Routers, Switch configuration. (Total-16 hrs)

Module 3: Students have been implemented Standard ACL, Extended ACL, Static NAT, Dynamic NAT, DHCP(Total -12 hrs)

Module 4: The last module covers the Password Recovery, Backup of running config to startup config, Trunking, ARP and EIGRP protocols(Total -7 hrs)

The course has been conducted for SE/TE/BE of EXTC/IT/CE students. Total 17 students have enrolled for the course and 11 students have successfully completed and cleared the exam.

1. Photographs (in JPEG/PNG)



2. Attendance report (Scanned copy)

SIES GRADUATE SCHOOL OF TECHNOLOGY
 NERUL, NAVI MUMBAI - 400 706
 Department of Information Technology

Attendance
 Certification Course

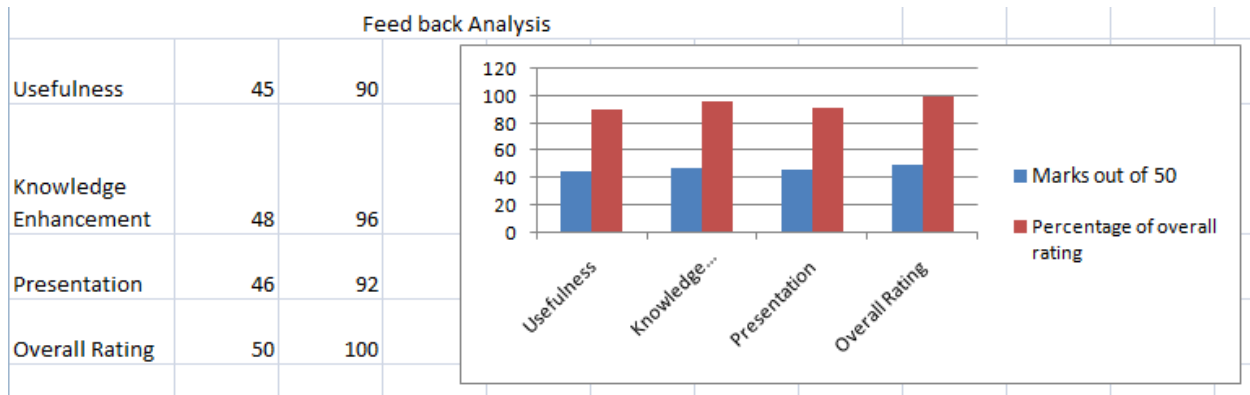
On
 "CCNA: Routing & Switching"

Date: 27-06-2019 to 02-07-2019

27/6 28/6 29/6/19 3/8/19 31/8/19

Sr. No.	Name	Day 1	Day 2	Day 3	Day 4	Day 5
1	Uma Konar (IT/TE)	Uma	Uma	Uma	Uma	Uma
2	Ajay Shinde (EXTC-B/SE)	Ajshinde	Ajshinde	Ajshinde	Ajshinde	Ajshinde
3	Vaishnavi Sreekumar (EXTC)	Vaish	Vaish	Vaish	Vaish	Vaish
4	SWARNIL VISHWAKARMA (SE-EXTC)	Sopant	Sopant	Sopant	Sopant	Sopant
5	ANKITA A AWATE (BE-EXTC)	Ankit	Ankit	Ankit	Ankit	Ankit
6	APURVA A. AMBEKAR (BE-EXTC)	Apu	Apu	Apu	Apu	Apu
7	SHREYA. NARESH (BE-IT)	Shreya	Shreya	Shreya	Shreya	Shreya
8	LAKSHMI. SURYANARAYAN (SE-LE)	Lakshmi	Lakshmi	Lakshmi	Lakshmi	Lakshmi
9	DHARANI ARIKRISHNAN (SE-IT)	Dharani	Dharani	Dharani	Dharani	Dharani
10	Saikripaa S. [SE-ITE]	Saika	Saika	Saika	Saika	Saika
11	Aditya. Kulkarni [BE-EXTC]	-	-	-	-	-
12	Sarvesh kothekar [BE-EXTC]	-	-	-	-	-
13	Dhiraj mehta	Dhiraj	Dhiraj	Dhiraj	Dhiraj	Dhiraj
14	JESURATA JOHN (BE-EXTC)	Jesurata	Jesurata	Jesurata	Jesurata	Jesurata
15	Sahish Yadav (BE-EXTC)	Sahish	Sahish	Sahish	Sahish	Sahish
16	Balaji Yadav (SE-EXTC)	Balaji	Balaji	Balaji	Balaji	Balaji
17	Megha K. Perumal	Megha	Megha	Megha	Megha	Megha
18	Shrutika					

Total enrolled → 17



Impact Analysis:

Students were able to design a network using Cisco packet tracer. They were able to configure Router, switch and also configure the networking devices.

**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

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 turbulent flow through pipe with UHF
8	Day 08 30/06/2020	Fluid Flow simulation with turbulent 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)

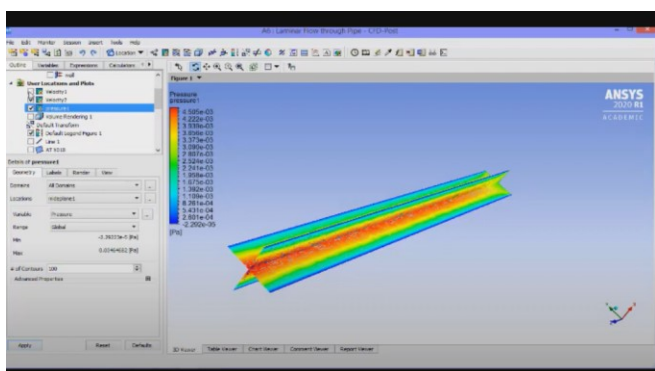
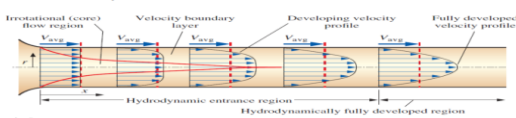
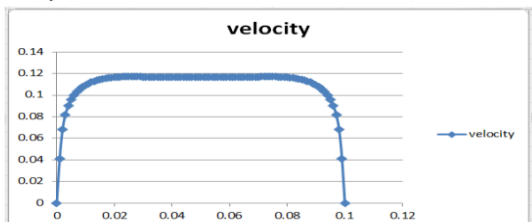
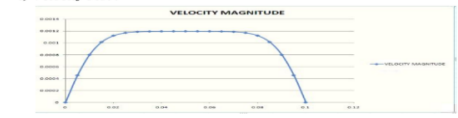
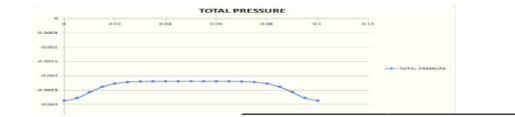
Event Information	
Event Type:	Student Development Program
Event title:	Heat Transfer and Fluid Flow Analysis using Ansys Fluent
Resource Person:	Mr.Chandan D. Chaudhari, Mr. Ajay S.Hundiwale, Dr.Kaustubh V.Chavan
Event date: From:	(22/06/2020 -03/07/2020)
Organized for:	Students of SIESGST
Organized by:	Department of Mechanical Engineering
Target audience (branch & nos.):	Mechanical : 18 Students
Attachments:	<ol style="list-style-type: none"> 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)

	<p>Roll Number: Email Id:</p> <hr/> <p>Introduction: Entrance region Velocity boundary layer: The region of the flow in which the effects of the viscous shearing forces caused by fluid viscosity are felt. Boundary layer region: The viscous effects and the velocity changes are significant. Irrational (core) flow region: The frictional effects are negligible and the velocity remains essentially constant in the radial direction.</p>  <p>Domain Parameter: Diameter [D] = 0.1 m Length [L] = 1 m Fluid Parameter: Working Fluid: Water Density = 998.2 kg/m³ Viscosity = 0.001003 kg/mSec Cp = 4182 J/kgK Thermal Conductivity = 0.6 W/mK Inlet Velocity [Laminar Flow] = 0.001005 m/sec Inlet Velocity [Turbulent Flow]</p>
<p>Graphs and plots-</p> <p>i) Velocity Plot :</p> 	<p>1) Laminar flow with inlet temperature (310K) -</p> <p>i) Velocity Plot :</p>  <p>ii) Pressure Plot :</p> 

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

<input type="checkbox"/>		AISHWARYA PAPALE	⋮
<input type="checkbox"/>		Ameya Pisal	⋮
<input type="checkbox"/>		anandakrishna pillai	⋮
<input type="checkbox"/>		ATUL AGNIHOTRI	⋮
<input type="checkbox"/>		bamnihar SIES GST	⋮
<input type="checkbox"/>		bondanthilakarthish SIES GST	⋮
<input type="checkbox"/>		charit geddam	⋮
<input type="checkbox"/>		harsh sushil	⋮
<input type="checkbox"/>		joshi atharva	⋮
<input type="checkbox"/>		KARAN BHOJWANI	⋮
<input type="checkbox"/>		mahajan 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 acquainted with the Ansys Software with Fluent Solver. 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	Strongly 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>

**Hands on Training on
Industrial drawing and modeling using AutoCAD and Solid works 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 Manufacturing
2. Students who want to enrol for higher studies in Manufacturing Technology
3. Students who want to have a better understanding of the industrial drawings

Prerequisite:

Background of AutoCAD Solid Works and Engineering drawing

Introduction:

This student development program is meant to revise basics concepts of Engineering drawing and to learn drawing software like AutoCAD and Solid Works. This program is conducted to give exposure to our students about how to understand industrial drawings.

Objectives:

- 1: Introduction to industrial drawings
- 2: How to read and understand drawings
- 3: Starting with AutoCAD and draw in AutoCAD
- 4: Working with solid works and converting 2d to 3d
- 5: Converting 3d models back to 2d using solid works

Outcomes:

By the end of the course, the learner can:

1. read and understand different Pressure vessel drawings
2. make Industrial drawings using AutoCAD
3. develop 3D drawings using Solid works

Contact for Registration:

Prof. Siddique Ahmed

Siddique.ahmed@siesgst.ac.in

9320616160

Note:

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

Scheduled Activities:

Day 1	Day 2	Day 3	Day 4	Day 5
All Faculties	Prajakta Kane	Onkar Potadar	Onkar Potadar	Ganesh Kadam
10:00 AM	10:00 AM	10:00 AM	10:00 AM	10:00 AM
Difference between the drawings we study in our engineering and the Industrial drawings	Basics - Title Block Geometric Dimensioning and Tolerancing ,Basic symbols ,Welding Symbols, Symbols for surface texture	AutoCAD	AutoCAD	Assembly-Disassembly, BOM
All faculties will interact with the students and explain them the flow and the contents which we will be covered in this SDP	Notes,Sectional view,Detail Drawing,Assembly Drawing,Exploded drawing	Will teach how to use AutoCAD to draw the industrial drawings and will give assignments to based on the content	Will teach how to use AutoCAD to draw the industrial drawings and will give assignments to based on the content	Will teach concept of assembly drawing including assembly and disassembly of components, bom, etc.

Day 6	Day 7	Day 8	Day 9	Day 10
Ganesh Kadam	Prajakta Kane	Siddique Ahmed	Siddique Ahmed	All Faculties
10:00 AM	10:00 AM	10:00 AM	10:00 AM	10:00 AM
Correlevance of drawing w.r.t. CAD-CAM, RE, Analysis, etc.	AutoCAD Alternatives	Solid Works	Solid Works	
Will teach relevance of industrial drawing in terms of CAD-CAM, reverse engineering, analysis of components, etc.	Will teach how to use free open source software Free CAD to draw the industrial drawings and will give assignments to based on the content	Will teach how to use Solidworks to draw the industrial drawings and will give assignments to based on the content	Will teach how to use Solidworks to draw the industrial drawings and will give assignments to based on the content	All faculties will interact with the students and discuss what they have learnin the course and will take their dobut/suggestions

Department of Mechanical Engineering
Event Report

Industrial drawing and modeling using AutoCAD and Solid works
(22/06/2020 -03/07/2020)

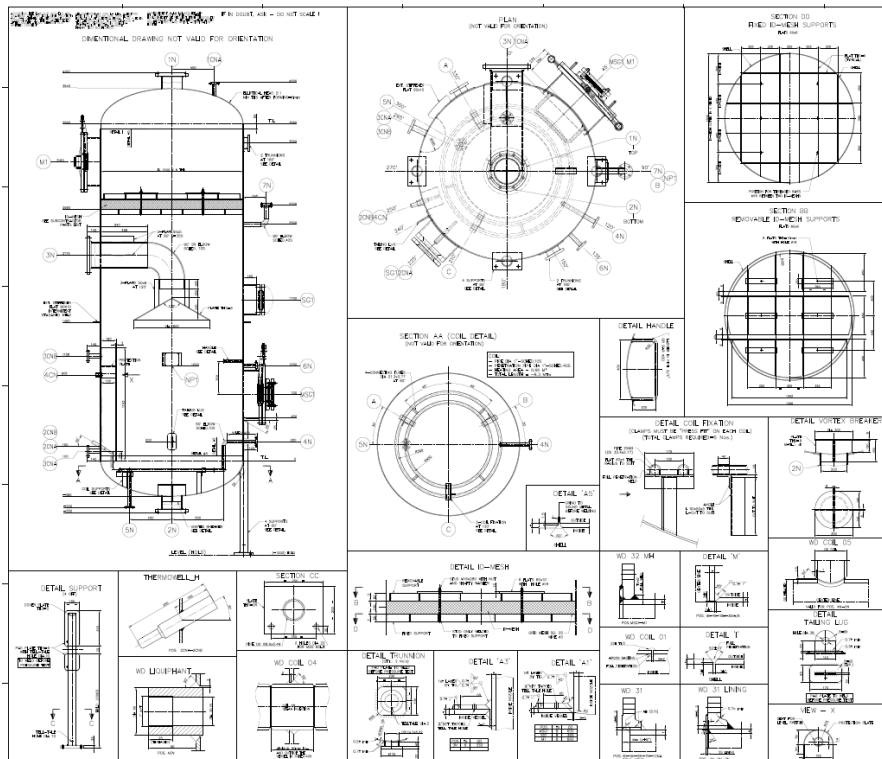
Event Information
Event Type: Student Development Program
Event title: Industrial drawing and modeling using AutoCAD and Solid works
Resource Person: Mr.Siddique Ahmed, Mr. Ganesh Kadam, Mr. Onkar Potadar, Mrs. Prajakta Kane
Event date: From: (22/06/2020 -03/07/2020)
Organized for: Students of SIESGST
Organized by: Department of Mechanical Engineering
Target audience (branch & nos.): Mechanical : 18 Students
Attachments: 1. Photographs (in JPEG/PNG) 2. Attendance report 3. Feedback

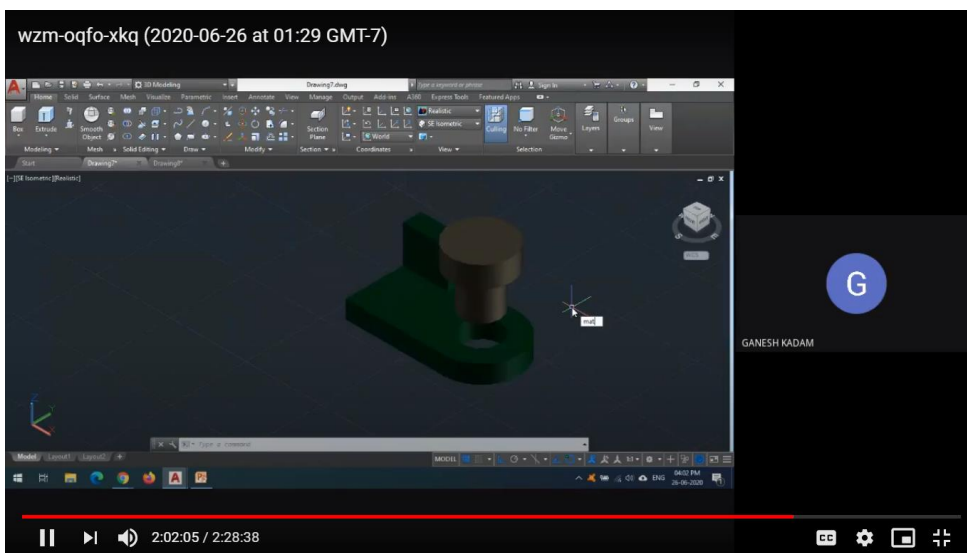
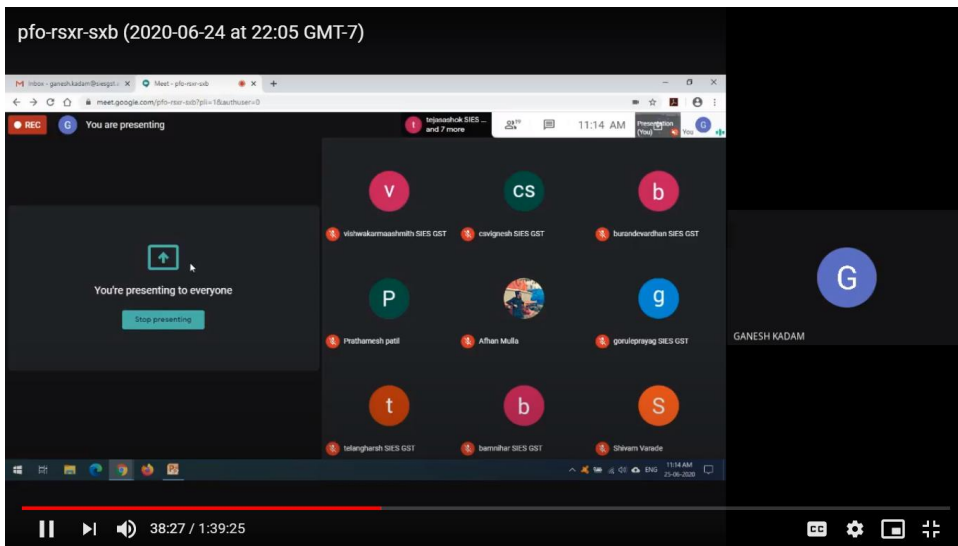
Event Description

A SDP was organized by mechanical department. The topic of SDP was “**Industrial drawing and modeling using AutoCAD and Solid works**”. The SDP was planned on 22/06/2020 for students of SIESGST Mechanical Engineering. Total number of participants registered for the SDP were 32 and total 18 participants attended the session. The SDP duration is for Two Weeks and its hands-on training given on AutoCAD and Solid Works Software. With Industry based live case studies were taught during this session by Faculty Members.

The objective of this course was to give our students exposure to the actual drawings used in Industries.

1. Photographs (in JPEG/PNG)























2. Attendance report

All the 18 Students were present for the SDP out of 32 Registered students, since this SDP is on Solid works Software which required high end Computer.

Students

32 students 

<input type="checkbox"/>	Actions 	AZ 
<input type="checkbox"/>	 Afhan Mulla	
<input type="checkbox"/>	 AISHWARYA PAPALE	
<input type="checkbox"/>	 anandakrishna pillai	
<input type="checkbox"/>	 anish sharad	
<input type="checkbox"/>	 badveparth SIES GST (invited)	
<input type="checkbox"/>	 bamnihar SIES GST	
<input type="checkbox"/>	 belose shruti	
<input type="checkbox"/>	 bhaskar sandesh	



3. Feedback Report (Scanned copy)

3. Indicate the degree to which you agree or disagree with the following statements.

This experience has:	Strongly Agree	No Opinion	Disagree	Strongly Disagree
Given me the opportunity to explore a career field	✓			
Allowed me to apply classroom theory to practice	✓			
Helped me develop my decision-making and problem-solving skills		✓		

Expanded my knowledge about the work world prior to permanent employment.		✓		
Helped me develop my written and oral communication skills.		✓		
Provided a chance to use leadership skills (influence others, develop ideas with others, stimulate, decision-making and action)		✓		
Expanded my sensitivity to the ethical implications of the work involved.	✓			
Made it possible for me to be more confident in new situations.		✓		
Helped me learn to handle responsibility and use my time wisely.	✓			
Helped me discover new aspects of myself that I didn't know existed before.	✓			
Helped me develop new interests and abilities.	✓			
Helped me clarify my career goals.		✓		
Provided me with contacts which may lead to future employment.			✓	
Allowed me to acquire information, and/ or use equipment not available at my Institute	✓			

4. Impact Analysis:

Total Participation: 32

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/c/MTlwMjAwMjlwNTQ1>

VISION

To be a Centre of Excellence in the field of Mechanical Engineering instrumental in Innovation, Entrepreneurship and Serving the needs of Society.

MISSION

- **To create an environment that inspires students and staff to develop competency in Mechanical Engineering field.**
- **To create the infrastructure necessary for overall development of students to work on current technologies in the Industry.**
- **To provide entrepreneurial culture to tackle the problems of Society.**

PEO

- **Build a successful career in National or Multinational Organisations or as an Entrepreneur.**
- **Pursue higher education for professional development**
- **Exhibit ethics, values and good leadership qualities for organisational development.**

PSO

- **An ability to identify, formulate, solve, analyse and draw appropriate conclusions to mechanical engineering problems in the field of design and manufacturing.**
- **An ability to use the techniques, skills and modern engineering tools such as CAD-CAM, analysis and automation tools necessary for engineering practice.**

COURSE NAME : Modelling Robot Kinematics using Python Programming

ORGANIZING DEPARTMENT: Mechanical Engineering

DATE: 22/06/2020 to 03/06/2020

DURATION: Two Week

OBJECTIVES:

1. To gain knowledge of Python programming language
2. To perform programming of robot
3. To study the parameters of motion in kinematics robotics
4. To study various design principles of robotics through kinematic analysis, workspace analysis, and trajectory planning

TARGET PARTICIPANTS: Students from any discipline and any year of Engineering with passion to learn Python Programming.

PREREQUISITE: Interest to learn, time to practice and patience to correct the errors till it becomes zero.

RESOURCE PERSON (for Python Programming) : Prof. Prashant Ambadekar

RESOURCE PERSON (for Modelling Robot Kinematics) : Dr. Pradip Patil

SCHEDULE OF THE SDP FOR WEEK ONE (for Python Programming)					
Date	Day 1	Day 2	Day 3	Day 4	Day 5
Resource Person	PKA	PKA	PKA	PKA	PKA
Time					
10:00 to 11:30	<ol style="list-style-type: none"> 1. Use of print function with string 2. Use of print function with datatype 3. Use of print function with variables 4. Use of print function with input function 5. Use of print function with escape character 	<ol style="list-style-type: none"> 1. Library in Python 2. Lists 3. Array 4. Miscellaneous operations 5. Tuples 6. Dictionaries 	<ol style="list-style-type: none"> 1. Creating and saving plots 2. Multiple plots 3. Sub plots 4. Embellishing Plot 	<ol style="list-style-type: none"> 1. How to read and load data from files 2. Plotting data 3. Operations on data 	<ol style="list-style-type: none"> 1. Statistical operations in Python 2. To find mean, median and standard deviation
12:00 to 01:00	Hands on practice on above topic	Hands on practice on above topic	Hands on practice on above topic	Hands on practice on above topic	Hands on practice on above topic
02:00 to 02:30	Doubts to be asked if any and Hands on practice on above topic if no doubts	Doubts to be asked if any and Hands on practice on above topic if no doubts	Doubts to be asked if any and Hands on practice on above topic if no doubts	Doubts to be asked if any and Hands on practice on above topic if no doubts	Doubts to be asked if any and Hands on practice on above topic if no doubts
03:00 to 04:00	Assignment to be solved and uploaded by 04:00 p.m.	Assignment to be solved and uploaded by 04:00 p.m.	Assignment to be solved and uploaded by 04:00 p.m.	Assignment to be solved and uploaded by 04:00 p.m.	Assignment to be solved and uploaded by 04:00 p.m.



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

Department of Mechanical Engineering

Event Report

SDP (Internship) on Modelling Robot Kinematics using Python Programming

Event Information
Event Type: Workshop
Event Title: Modelling Robot Kinematics using Python Programming
Resource Person: Dr. Pradip P. Patil and Prof. Prashant K. Ambadekar
Event Date: 22 June to 03 July 2020
Organized for: Students
Organized by: Department of Mechanical Engineering
Target Audience (Branch & Nos.): Undergraduate Students
Attachments: 1. Photographs (JPEG/PNG)

Event Description

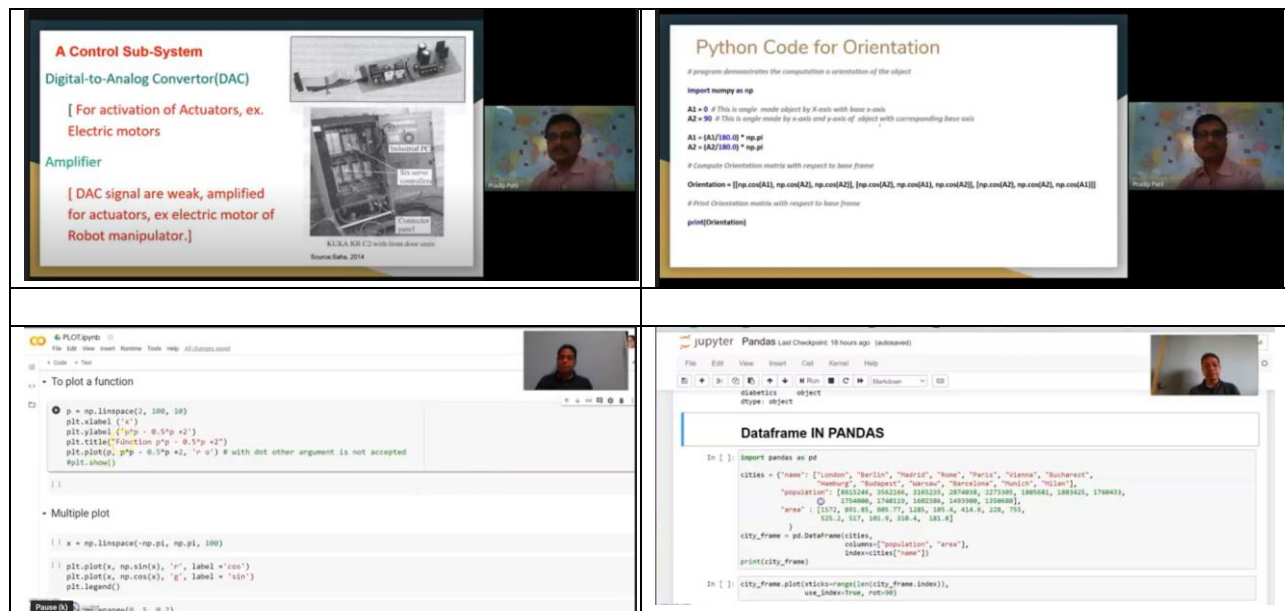
Internship program for students was organized during the summer vacation for students of all branches. The program was interdisciplinary and required no prerequisite knowledge to students. The SDP was arranged with the following objectives:

1. To gain knowledge of Python programming language
2. To perform programming of robot
3. To study the parameters of motion in kinematics robotics
4. To study various design principles of robotics through kinematic analysis, workspace analysis, and trajectory planning

The resource person or speaker for the program were Dr. Pradip P. Patil and Prof. Prashant K. Ambadekar. Total number of students who attended this SDP were 51.

Topic that were taught during the SDP are Use of print function, Library in Python, Lists and Array, Plots, operations on files and statistical operations in Python in the first week. While in second week are introduction to Robotics, use of software like Robo analyser, Robot kinematics etc.

1. Photographs (in JPEG/PNG):



STUDENT FEEDBACK OF INTERNSHIP
(TO BE FILLED BY STUDENTS AFTER INTERNSHIP COMPLETION)

Student Name: Salunkhe Atharva Date: 13/07/2020

Title: Robot Kinematics-Python

Work Supervisor: Prashant Ambadekar & Pradip Patil Sir Dates of Internship: From 20/06/2020 To 3/07/2020

Company/Organization: (Conducted By College) - South Indian Education Society (SIES) Graduate School of Technology.

Internship Address: Sri Chandrasekarendra Saraswathy Vidyapuram Plot 1 – C D & E , Sector V, Nerul, Navi Mumbai-400 705

Supervisor Email: prashantambadekar@gmail.com Internship is: Paid/ Unpaid

Faculty Coordinator: Prashant Ambadekar Department: MECHANICAL

Please fill out the above in full detail

1. **Give a brief description of your internship work (title and tasks for which you were responsible):** The internship was conducted by our Faculty members and Mentors. First of all, we started by learning basics of python in Jupyter Notebook (anaconda 3). Then we started learning their types and all. Further we studied about ROBOT kinematics in python. For practice we used to solve and complete tasks given by the Faculty Members. Sometimes, there were so many doubts and complication at first time, but our supervisor cleared all the doubts. We learned how to make bar graphs, line graphs, about workspace of SCARA Robot, inverse kinematics using Roboanalyzer, transformation matrix, etc. As this programming and coding was every new to me by the time, I felt very comfortable with this. Thanks to our Faculty members and Mentors for guiding us in internship.

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

- a. Yes, to a large degree.
- b. Yes, to a slight degree.
- c. No, not related at all

3. **Indicate the degree to which you agree or disagree with the following statements.**

This experience has:	Strongly Agree	No Opinion	Disagree	Strongly Disagree
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Given me the opportunity to explore a career field	●			
Allowed me to apply classroom theory to practice		●		
Helped me develop my decision-making and problem-solving skills	●			

Expanded my knowledge about the work world prior to permanent employment			●	
Helped me develop my written and oral communication skills		●		
Provided a chance to use leadership skills (influence others, develop ideas with others, stimulate decision-making and action)	●			
Expanded my sensitivity to the ethical implications of the work involved		●		
Made it possible for me to be more confident in new situations	●			
Helped me learn to handle responsibility and use my time wisely				●
Helped me discover new aspects of myself that I didn't know existed before	●			
Helped me develop new interests and abilities	●			
Helped me clarify my career goals		●		
Provided me with contacts which may lead to future employment				●
Allowed me to acquire information and/ or use equipment not available at my Institute				●

4. In the Institute internship program, faculty members are expected to be mentors for students. Do you feel that your faculty coordinator served such a function? Why or why not? – Yes, the faculty member who has conducted my internship is my mentor too. So I have no objection related to this.

5. How well were you able to accomplish the initial goals, tasks and new skills that were set down in your learning contract? - I clearly accomplish the new skills from this internship such as programming and coding in python language, which was so new to me also I learned many new tasks related to it.

6. In what ways were you able to take a new direction or expand beyond your contract?
NO OPINON

7. Why were some goals not accomplished adequately? In what areas did you most develop and improve? – Mostly in logic while coding and syntax.

8. What has been the most significant accomplishment or satisfying moment of your internship? - To learn about Robotics in Python Language.

9. What did you dislike about the internship? - NO OPINON

10. Considering your overall experience, how would you rate this internship?
(Circle one). (Satisfactory/~~Good~~ Excellent)

11. Give suggestions as to how your internship experience could have been improved. (Could you have handled added responsibility? - I experienced very grateful time with my faculties and gaining knowledges about this programming .

12. Would you have liked more discussions with your professor concerning your internship? Was closer supervision needed? – Yes, our professor was guiding us for internship also he helped us a lot to participate in different field. Our college too concerned about this internship. I'm so thankful to my professors and faculties for this internship in this pandemic period.

South Indian Education Society's

GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai.

**TO BE SUBMITTED ALONG WITH THE
APPLICATION (Signed by Internal faculty coordinator)**

1. Internship Objectives/Learning Activities

To learn basics of python programming and robot kinematics using Roboanalyzer.

2. What do you intend to learn, acquire and clarify through this internship?

(Try to use concrete, measurable terms in listing your learning objectives under each of the following categories):

- Knowledge and Understanding

To learn to make basic arrays, functions, matrices, etc. using python programming.

To learn to make simple robots using Roboanalyzer.

- Skills Learning Activities:

To use python to calculate basic parameters and transformation matrices used in calculating robotics kinematics.

3. How will your internship activities enable you to acquire the knowledge/understanding, and skills you listed above?

The internship was focused on use of python for robot kinematics, so it was sufficient to acquire the knowledge and skills listed above.

4. Describe how your internship activities will enable you to meet your learning objectives. Include projects, research, report writing, conversations, etc. which you will do while working, relating them to what you intend to learn.

Internship activities included completion of assignments in given time. The assignments consisted of python programming to form matrices, plot graphs, etc. and it also included of forming robots using roboanalyzer and calculating D-H parameters which was within my objectives.

5. Describe in detail what other evidence you will provide to your faculty coordinator to document what you have learned (e.g. journal, analytic paper, project, descriptive paper, oral presentation, seminar etc.) Include deadline dates.

Assignments given were kind of a proof that I have acquired certain knowledge about robot kinematics. Also if in future I decide to do project on robotics then certainly the knowledge acquired during this internship will reflect through my work.

6. Describe in as much detail as possible your role and responsibilities while on your internship. (list duties, project to be completed, deadlines etc.)

Assignments were given to me by the faculty and they were to be completed within a day. Assignments were so designed to help me understand the topic in depth.

Department of Humanities & Applied Sciences
Student Development Programme on Universal Human Values

June 29 to July 11, 2020

Student Development Program on Universal Human Values is designed in order to introduce students to the Values which are Universal in Nature. This SDP will help students to gain the knowledge which is not imparted in any classroom and it is very important throughout life. In new Education Policy it is recommended as mandatory subject. Students will be able to understand the difference the desires of Self and Physical facility, the importance of Relationship in our life, What is Harmony, How to become happy by being in Harmony with Self, Family, Society and Nature , Human values like Trust, Respect, Affection Care, Reverence, Gratitude, Guidance, Love etc

OBJECTIVES

- 1) Understand what are the desires of Self and Body
- 2) Understand What is Harmony
- 3) Understand How to live in Harmony with Self, Family, Society, Nature
- 4) Understand Trust, Respect, Affection Care, Reverence, Guidance, Gratitude, Love
- 5) Understand How to overcome Stress, Anxiety, Anger, Fear, Frustration

WHO WILL BE BENEFITED?

- All the students who want to be Happy, Responsible and Balanced Human Being.

PREREQUISITE

No prerequisites.

OUTCOMES

Learner will be able to:

- 1) Student will be able to understand "Self" and desires of Self
- 2) Student will be able to handle Stress, Anxiety, Frustration, Fear, Anger
- 3) Student will be able improve his overall performance
- 4) Student will be Happy , Responsible and Balanced Human Being

CONTACT PERSON

- Dr. Manasi Karkare (9967014191),
hod_fe@siesgst.ac.in
- Prof. Mrinal Khadse (9819344929)
mrinal.khadse@siesgst.ac.in
- Dr. Kanthimathi (9137372482)
kanthimathi@siesgst.ac.in

SCHEDULE

WEEK 1:					
Date	Day 1	Day 2	Day 3	Day 4	Day 5
Resource person	Dr. Manasi Karkare	Dr. Manasi Karkare	Dr. Manasi Karkare	Dr. Manasi Karkare	Dr. Manasi Karkare
Time	11 am -12.30 pm	11 am -12.30 pm	11 am -12.30 pm	11 am -12.30 pm	11 am -12.30 pm
Topics	Understanding the need of Universal Human Values	Right Understanding	Harmony of Self with Body	Harmony in family	Me and Society
Time	3.30-5.00 pm	3.30-5.00 pm	3.30-5.00 pm	3.30-5.00 pm	3.30-5.00 pm
Topics	Assignment/ Activity/Reflection and Discussion	Assignment/ Activity	Assignment/ Activity	Assignment/ Activity	Assignment/ Activity
Resource person	Dr. G. Kanthimathi	Dr. G. Kanthimathi	Ms. Mrinal Khadse	Ms. Mrinal Khadse	Dr. G. Kanthimathi

SCHEDULE

WEEK 2:					
Date	Day 1	Day 2	Day 3	Day 4	Day 5
Resource person	Dr. Manasi Karkare	Dr. Manasi Karkare	Dr. Manasi Karkare	Yoga teacher	Dr. Manasi Karkare
Time	11 am -12.30 pm	11 am -12.30 pm	11 am -12.30 pm	11 am -12.30 pm	11 am -12.30 pm
	Trust and Respect	Affection, care, Reverence, Love	Stress, Fear, Frustration , Anxiety	Breathing Techniques for overcoming Stress	True Happiness
Time	3.30-5.00 pm	3.30-5.00 pm	3.30-5.00 pm	3.30-5.00 pm	3.30-5.00 pm
Topics	Assignment/ Activity/Reflection and Discussion	Assignment/ Activity	Assignment/ Activity	Assignment/ Activity	Assignment/ Activity
Resource person	Dr. G. Kanthimathi	Ms. Mrinal Khadse	Ms. Mrinal Khadse	Dr. G. Kanthimathi	Dr. G. Kanthimathi

Department of Humanities and Applied Sciences
Student Development Program Report

Universal Human Values
June 29 to July 11, 2020

Event Information	
Event Type: Student Development Program	
Event title: Universal Human Values	
Resource Person: Dr. Manasi Karkare, Ms. Mrinal Khadse and Dr. G. Kanthimathi	
Event date: From: 29.06.2020	To: 11.07.2020
Organized for: Students of SIES Graduate School of Technology	
Organized by: Dr. Manasi Karkare	
Target audience (branch & nos.): Students from first to final year and for all branches (Total:23)	
Attachments:	<ol style="list-style-type: none">1. Photographs (in JPEG/PNG)2. Attendance report3. Feedback

Event Description

Student Development Program on Universal Human Values was designed in order to introduce students to the Values which are Universal in Nature. This SDP helped students to gain the knowledge which was not imparted in any classroom and it is very important throughout life. In new Education Policy it is recommended as a mandatory subject. Students were able to understand the difference the desires of Self and Physical facility, the importance of Relationship in our life, what is Harmony, how to live happily in Harmony with Self, Family, Society and Nature, Human values like Trust, Respect, Affection Care, Reverence, Gratitude, Guidance, Love etc

The main Objectives of this SDP are

- 1) Understand what are the desires of Self and Body
- 2) Understand What is Harmony
- 3) Understand How to live in Harmony with Self, Family, Society, Nature
- 4) Understand Trust, Respect, Affection Care, Reverence, Guidance, Gratitude, Love
- 5) Understand How to overcome Stress, Anxiety, Anger, Fear, Frustration

This SDP on UHV was a 10-day program with 2 sessions each day which covered a large aspect of human values by conducting interactive sessions, assignments, fun activities and special sessions by guest speakers. Assignments and tasks were assigned in relation to topic or mantra of the day.

SDP covered the fact that everyday spirit should be driven by aspiration and positivity -not by desires or greed. Having a check on our **desires** and **source of inspiration** was a highlighted event in the SDP.

Another important part of the SDP program was harmony and savouring. Our social environment and relations always leave an imprint in our lives. SDP ensured assignments which allowed the students to think of the many ways they grew connections and affections with themselves and their family. SDP helped students to correct the definition of success. Health was also one of the highlights of SDP.

Every day one activity was conducted including exercise, mediation, yoga and so on. Also, importance of proper diet and sleep patterns were discussed. The SDP made sure to add all of this in the curriculum and made the students to note that – happy body is a vessel to a happy soul.

SDP also helped students to boost self-confidence and start believing in themselves. Inspiring talks and videos of great personalities were shared. In many a session believing one-self was discussed and interacted.

Three guest speakers Dr. Minu Mehta, Professor and Head Academics at IESMCRC, Mr. Shashikant S. Radke, VJTI Mumbai, Ms. Gayatri Naik, Shivajirao S Jondhale College of Engineering were invited and they delivered sessions.

SDP on UHV started from a simple introduction and ended with a fun activity. All the important aspects of Human life and relations were discussed. Not problems but solutions were focused more. Accepting one, accepting surrounding and situation and working towards a meaningful goal was the essence of the program.

1. Photographs (in JPEG/PNG)

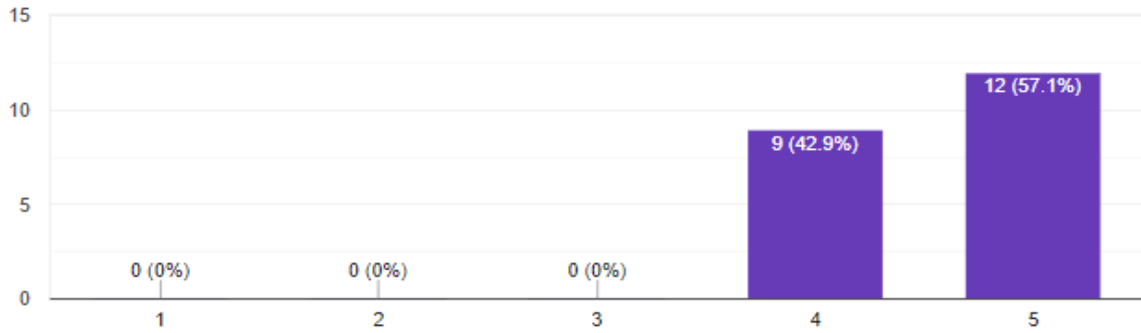
The screenshot shows a web browser window displaying a Google Drive video player. The video content is a presentation slide titled "Happiness = To Be in Harmony". The slide features a diagram with two main boxes: a top purple box and a bottom yellow box. The top purple box is divided into "What I Really Want Be My Natural Acceptance My Intention" and "Always Relationship". The bottom yellow box is divided into "What I am My Desire, Thought, Expectation... My Competence" and "Sometimes Relationship". A vertical double-headed arrow labeled "Dialogue" connects the two boxes. In the center, there are two smaller boxes: a red one labeled "These are in Contradiction Unhappiness" and a purple one labeled "These are in Harmony Happiness". A play button icon is overlaid on the central boxes. The video player interface includes a Windows taskbar at the bottom with the time 12:47 PM on 8/20/2020.

The screenshot shows a YouTube video player displaying a presentation slide titled "Goal Setting". The slide lists three bullet points: "Goal specificity improves task performance", "Self-regulation helps you stick to your goals", and "Those with implementation intentions (having a plan to perform goal-directed behavior) are more likely to achieve their goals". A video thumbnail in the bottom right corner shows a woman with the name "KANTHIMATHI G" overlaid. The video player interface includes a progress bar at 1:16:32 / 1:41:32 and a Windows taskbar at the bottom with several open files.

2. Feedback Report (Scanned copy)

How well are you satisfied with the SDP?

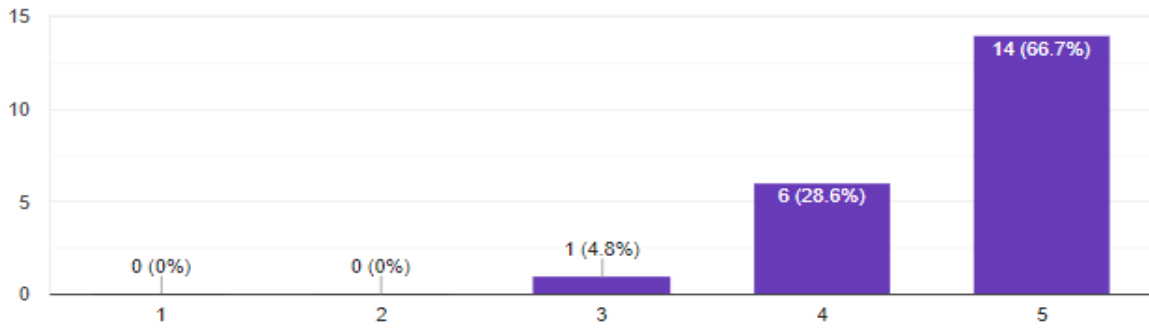
21 responses



How well are you satisfied with the resource persons?



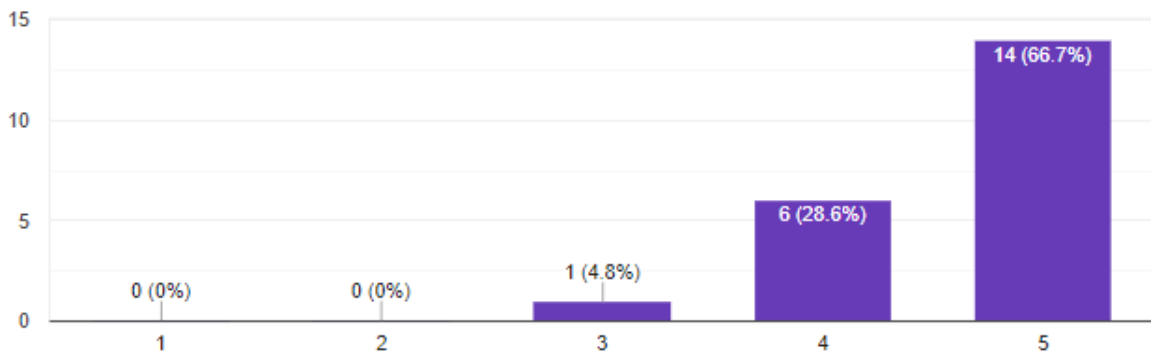
21 responses



Whether the sessions in the SDP was found helpful and did it increase your understanding?



21 responses



Which session do you like the most?

21 responses

- The workout session
- Tedx , exercise and activities, inspirational video, teacher guidance almost everything
- Games sessions and guest speaker sessions
- I like all the session. But the session I like the most was about 'hormony with self' and also yoga sessions.
- Game session
- Guest speaker -Ted x
- This session based on mental well-being which was the key factor of this course and I liked it the most.
- All the sessions
- The session of harmony with family

What is your overall rating for this SDP?

21 responses

