

#### List of SDP A.Y. 2020-21

- Mobile & Web Development
- Introduction to Embedded System and IoT
- Advanced Antenna Design
- Machine Learning and Image Processing using Python
- Value added course on Data Science
- Network Management and Security
- Simulation Using Ansys and CFD
- 3D Modelling and 3D Printing



#### SIES Graduate School of Technology Department of Computer Engineering

Organizing
Student Development Program and Internship
Mobile & Web App Development
21 June- 26 June, 2021 10.00 AM to 5.00 PM

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

#### **Objectives:**

This Mobile & Web App Development course is without a doubt the most comprehensive course will be taught in Virtual Online platform. Even if student has zero programming experience, this course will take you from beginner to Intermediate.

#### **Course Contents:**

Day 1: Getting Started with Javascript: variables & strings, numbers, arrays, loops, functions, objects, Client side scripting such as form validations.

Day 2: Intermediate Php: Basic programming constructs, Arrays, functions, GET POST methods, Server side scripting, Basics of Database, Handling MYSQL Database using SQL Queries, PHP - Server Side Scripting, MYSQL Database Connectivity

Day 3 & 4: Fluter: Setting up Flutter, Introducing Widgets, Common Widgets in Flutter and Navigation, Handling User Input, User Interface, Flutter with Firebase.

Day 5 & 6: Node JS: Introduction and Foundation, Node Projects, Working with asynchronous programming, Building HTTP server with Node.js using HTTP APIs., Buffers, Streams, Events, Multiprocessing in Node JS.

Students will be developing Mobile & Web App using above technologies.

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

Highlight: Day 6 will be covered by Industry Expert.

Course Fees: No fees for SIES students, 500 for outside SIES.

Certification: Internship Certificate will be provided after completion of COURSE.

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

#### Outcome:

- Students will be able to design App and Host it on server.
- Students will be able to make Dynamic App using Node JS & Php

#### Contact for Registration:

Prof. Sunil K Punjabi: Email-id: sunilp@sies.edu.in Mo: 8898528620

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### Day wise Schedule



Date	Day 1 (28/06/2021)	Day 2 (29/06/2021)	Day 3 (30/06/2021)	Day 4 (01/07/2021)	Day 5 (02/07/2021)	Day 6 (03/07/2021)
Resource person	Mr. Sunil K Punjabi	Ms. Masooda Modak	Ms. Jyoti Tryambake	Ms. Masooda & Ms. Jyoti	Mr. Sunîl K Punjabi	Mr. Nilesh Dalvi
Time	10.00 am - 1.00 pm	10.00 am - 1.00 pm	10.00 am - 1.00 pm	10.00 am - 1.00 pm	10.00 am - 1.00 pm	10.00 am - 1.00 pm
	Introduction to Java script: variables & strings, numbers, arrays, loops, Hands on session	Intermediate PhP: Basic programming constructs, Arrays, functions, GET POST methods, Server side scripting,	Introduction to flutter: Setting up Flutter, Introducing Widgets, Common Widgets in Flutter and Navigation,	Flutter: Handling User Input, User Interface, Flutter with Firebase	Introduction to Node JS: Introduction and Foundation, Node JS Installation, Node JS Basics, Node JS NPM, Build Restful APIs with Node JS	Node JS with MongoDB, Node JS Projects, Working with asynchronous programming, Buffers Streams, Events, Multiprocessing in Node JS.
Date	Day 1 (28/06/2021)	Day 2 (29/06/2021)	Day 3 (30/06/2021)	Day 4 (01/07/2021)	Day 5 (02/07/2021)	Day 6 (03/07/2021)
Resource person	Mr. Sunil K Punjabi	Ms. Masooda Modak	Ms. Jyoti Tryambake	Ms. Masooda & Ms. Jyoti	Mr. Sunil K Punjabi	Mr. Nilesh Dalvi
Time	2.00 pm - 5.00 pm	2.00 pm - 5.00 pm	2.00 pm - 5.00 pm	2.00 pm - 5.00 pm	2.00 pm - 5.00 pm	2.00 pm - 5.00 pm
	functions, objects, Client side scripting such as form validations Hands on session	Basics of Database, Handling MYSQL Database using SQL Queries, PHP - Server Side Scripting, MYSQL Database Connectivity	Hands on session using flutter	Hands on session using flutter	Hands on session using Node IS	Hands on session usin Node JS
	Quiz	Quiz	Quiz	Quiz	Quiz	Quiz

SDP on Web & Mobile App Development

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

#### **Department of Computer Engineering Event Report**

#### Title of event: Student Development Program

Web and Mobile App Technology

#### **Event Information**

Event Type: Workshop followed by internship

Event title: Web and Mobile App Technology

Resource Person: Prof. Sunil, Prof. Masooda, Ms. Jyoti, Mr. Nilesh

Event date: From: June 27, 2021 To: July 3, 2021

Organized for : All Students

Organized by: Sunil K Punjabi, CE Department

Target audience (branch & nos.): CE/IT/ME/EXTC

Attachments: 1. Photographs (in JPEG/PNG)

2. Attendance report

3. Feedback

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#### Event Description

CE department faculties have conducted six days student development program followed by internship, "Web & Mobile App Development". Program was conducted by Prof. Sunil K Punjabi, Prof. Masooda Modak, Ms. Jyoti and Mr. Nilesh.

Objective of the workshop was to bridge the gap between industry requirements and academic. 58 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 similar technologies.

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

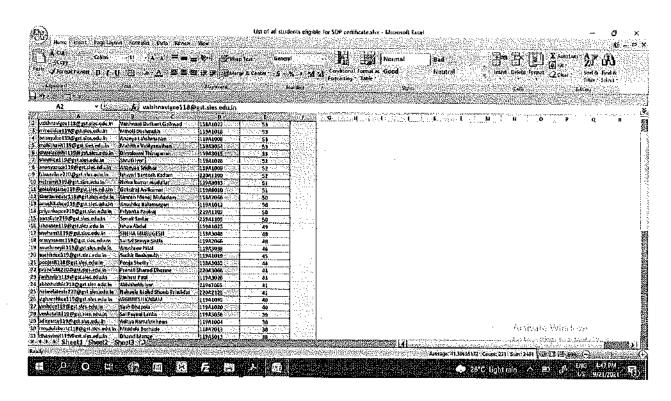


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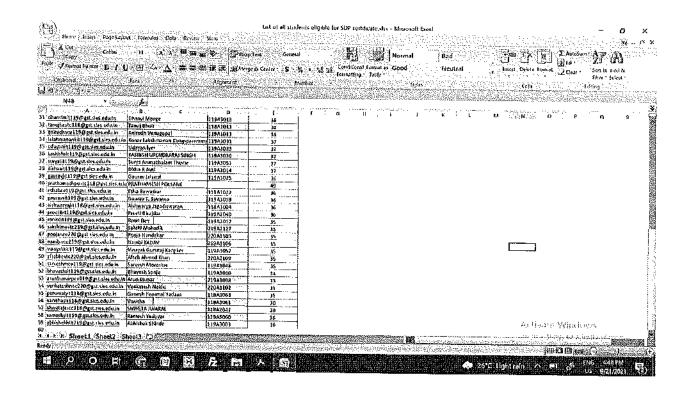


#### 2. Attendance with marks

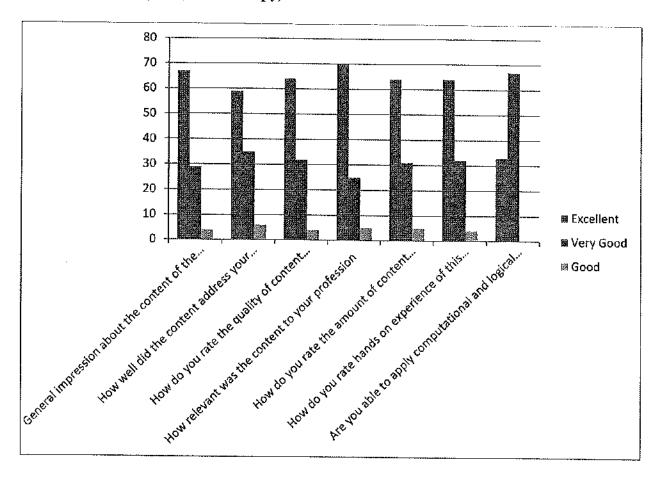


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#### 3. FeedbackReport (Scanned copy)



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#### Impact Analysis:

- The session was very informative and students acquired the knowledge about Current trends in HMI.
- Students gained from this exposure to incorporate an entrepreneurial spirit and also familiar with the present scenario of industry with respect to the HMI Subjects.
- Total of 70 students from BE CE attended the session.

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## CERTIFICATE

Of Completion

This is To Certify That

#### Esha Bavaskar

Has successfully completed the "Value Added Course On Web & Mobile Development" from 28th June to 3th July, 2021 followed by 15 days internship held at SIES Graduate School of Technology. During Internship he/she has successfully completed Project title - **Food Recipe App** 

Sajil

Prof. Sunil Panjabi SDP Coordinator The

Dr. Aparna Bannore HOD Computer Dept.

Dr. Atul Kemkar Principal

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### GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai. DEPARTMENT OF Electronics and Telecommunication

### Brochure Introduction to Embedded System and IoT 28th June2021 to 3rd July 2021

#### Click here

#### to register

Today's embedded systems development ranges from microprocessor-based control systems to system-on-chip (SoC) design, and device software development. A myriad of implementations can be found in consumer electronics, medical devices, commercial, military applications. Embedded Systems have a very wide application in different domains. This course will help the students to improve the technical skills and give them a better understanding of an Embedded system and Internet of Things.

#### About Instructors:-

This course will be taught by a team of Embedded system and IoT from ,talk by Mr. Abhay Phansikar, Director of Azilen Technologies, Chairman of IEEE for Bombay Section, Prof. Vaishali Mangrulkar, SIES GST, Prof. Kintu Patel, SIESGST and Prof. Pratibha Joshi, SIES GST.

#### Course Objectives:-

To develop background knowledge Embedded Systems.

To understand designing of embedded systems.

To understand use of wireless sensors/communications with Embedded systems

To understand communication techniques.

To write programs for embedded systems and real time operating systems /loT

#### Course Outcomes:

- Understand the embedded Systems with its design metrics.
- Understand various microprocessor/microcontroller based boards with suitable programming language.
- Implement the embedded system with different sensors and peripherals as IoT.
- Implement Embedded systems with different communication protocols as IoT.
- Analyze concepts of Real time operating systems.
- Design embedded systems applications using sensors, peripherals and RTOS.

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#### Content:

Module	Contents	Hours
1.	Introduction to Embedded System  Definition of Embedded System, Embedded Systems Vs General Computing Systems, Classification, Major Application Areas.  Characteristics and quality attributes (Design Metric) of embedded system. Real time system's requirements, real time issues, interrupt latency. Embedded Product development life cycle.	4 hrs
2.	Microprocessor and Microcontroller Boards ARM LPC 21XX (2148), Texas MSP 430 lunchbox STM32 boards /PSoC, Intel Galileo.	4 hrs
3.	Sensor Interfacing  GLCD,Relays and Motors with motor drivers.BLDC motors and drivers,USB/HDMI camera intrefacing	4 hrs
4.	Communication Protocols CAN bus, I2C, MOD bus, SPI,wifi, ZigBee, Bluetooth and putting data on IoT GPS module interfacing,GPS module interfacing	4hrs
5.	Introduction to RTOS Operating system basics, Types of OS, Tasks, process, Threads Multiprocessing and Multitasking, Task scheduling, RTLinux/Implementation with RTOS	4 hrs
6	Introduction to cloud and IoT Implementation on web server, thingspeak, AWS cloud platform for IOT based programming and modelling Expert Talk	2 hrs

#### Assessment:

- 1. Students will be assessed based on module wise assignments and quizzes.
- 2. In this value-added course students will develop Mini projects/Case study based on above concepts.

Course Co-ordinator: Prof. Kintu Patel

E-mail ID:- kintup@sies.edu.in

Contact No:7738383680

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#### Day wise schedule of workshop

Day	Activity
Day 1	Introduction to Embedded System by an Expert
15/6/2020	
	Quiz
Day 2	Microprocessor and Microcontroller Boards
16/6/2020	ARM LPC 21XX (2148), Texas MSP 430 lunchbox STM32 boards /PSoC, Intel Galileo.
	Quiz
Day 3	Sensor Interfacing
17/6/2020	GLCD,Relays and Motors with motor drivers.BLDC motors and drivers,USB/HDMI camera intrefacing
	Quiz
Day 4	Communication Protocols
18/6/2020	CAN bus, I2C, MOD bus, SPI,wifi, ZigBee, Bluetooth and putting data on IoT GPS module interfacing,GPS module interfacing
	Quiz
Day 5	Introduction to cloud and IoT
19/6/2020	Implementation on web server, thingspeak, AWS cloud platform for IOT based programming and modelling  Expert Talk
	Quiz
Day 6	Introduction to RTOS
22/6/2020	Operating system basics, Types of OS, Tasks, process, Threads Multiprocessing and Multitasking, Task scheduling, RTL inux/Implementation with RTOS
	Quiz

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

#### Department of Electronics and Telecommunication Engineering Event Report

Introduction to Embedded System and IoT (28/6/2021 to 3/7/2021)

#### **Event Information**

Event Type: Student Development Program

Event title: Introduction to Embedded System and IoT

Resource Person: Prof. Kintu Patel, Prof. Vaishali Mangrulkar and Prof. Pratibha Joshi.

Expert talk by Mr. Hannan Satopay ,IEEE Bombay Section TPAC Secretary and by

Mr. Abhay Phansikar, past chairman of IEEE Bombay Section.

Event date: 28/6/2021 to 3/7/2021

Organized for: Students

Organized by: Department of Electronics and Telecommunication

Target audience (branch & nos.): SE/TE/BE(All branches)

Attachments: 1. Photographs (in JPEG/PNG)

2. Attendance report

3. Feedback

4. Certificate

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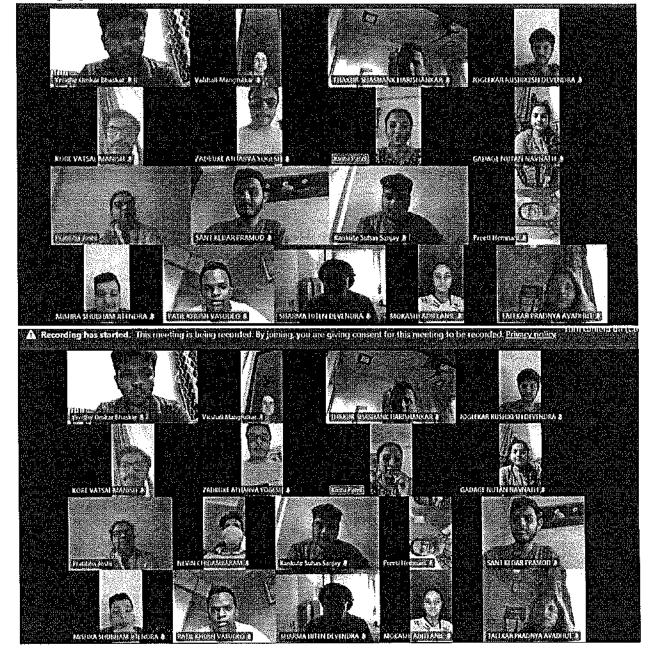
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#### Event Description

SDP on Embedded system and IoT was started with session by expert Mr. Hannan Satopay. During these six days of program students were introduced about different microcontrollers, sensor interfacing, RTOS, communication protocols and IoT. An expert session on different application areas of embedded system and IoT was taken by Mr.Abhay Phansikar. After completion of program, students submitted the case studies as summary of concepts taught.

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



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#### 2. Attendance report:

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Dnyanes hwar hwar   North State   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   P	31		5t.	P	P	P	Р	P	F	P		. F :			
New Art   Nisal   TE   P   P   P   P   P   P   P   P   P			ļ										ļ		
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Omkar   33   Yendhe   SE   P   P   P   P   P   P   P   P   P		1					إ						ь	D	D
33   Yendhe   SE	32		IE.	Р	Ρ	_ Р	Р	Р	Ψ	P	Р	Р	Г	-	
Pooja   34   Guchait   SE   P   P   P   P   P   P   P   P   P					_					_	_	n	В		ь
Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   Second   S	33	-	SE	Р	P	Р	- Ρ	۲	Р	Р	Р	P	Р	P	
Pradnya   Avadhut   SE				_	_	_ !		_		_					
Avadhut   SE	34		SE	Р	P 1	. Р	P	P	Р	Р	Р	Р	Р	Ρ	Р
35   Talekar   SE						:						Ì			
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esh         Anand         TE         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P<	36	1	SE	P	P	Р	Р	P	Р	P	Р	P	Ρ	Р	Р
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37   Gawand   TE   P   P   P   P   P   P   P   P   P		esh						Ì	<u> </u>	<u> </u>		1	1	<u> </u>	
PRIYANS							<u> </u>			]				_ !	_
HU CHOUD 38 HARY SE P P P P P P P P P P P P P P P P P P	37		TE	P	P	Р	Р	P	Р	P	P	P	P	P	Ь Б
CHOUD         SE         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P <td></td> <td>F</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td>		F								1					
38		HU					1	1			]				
Punit   Milind   Suryara   39   O   TE   P   P   P   P   P   P   P   P   P		CHOUD						}		ĺ			}	_	<u> </u>
Milind         Suryara         39         O         TE         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P	38	HARY	SE	P	Р	P	P	P	Р	P	Р	P	P	P	P
Suryara   39		Punit					ļ			1				<u> </u>	
39         O         TE         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P		Milind	<u> </u>												ļ
Rashmi		Suryara													
40       Singh       TE       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P </td <td>39</td> <td>0</td> <td>TE</td> <td>P</td> <td>Р</td> <td>Р</td> <td>P</td> <td>P</td> <td>P</td> <td>Р</td> <td>P</td> <td>P</td> <td>Р</td> <td>P</td> <td>P</td>	39	0	TE	P	Р	Р	P	P	P	Р	P	P	Р	P	P
Rikee		Rashmi											1	1	
41       Singh       TE       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P </td <td>40</td> <td>Singh</td> <td>TE</td> <td>P</td> <td>P</td> <td>P</td> <td>P</td> <td>P</td> <td>Р</td> <td>P</td> <td>P</td> <td>P</td> <td>P</td> <td>P</td> <td>  P</td>	40	Singh	TE	P	P	P	P	P	Р	P	P	P	P	P	P
Rushike   Sh		Rikee									1				
Rushike       sh         42       Joglekar       TE       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P	41	Singh	TE	P	P	P	P	Р	P	P	ρ	P	P	P	P
sh         42         Joglekar         TE         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td></td<>														1	
42         Joglekar         TE         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P			Į						1						
Sakshi	42	I	TE	P	Р	Р	Р	P	P	P	P	P	P	P	P
43         Gawali         SE         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P         P<															
Sakshi 44 Shetty TE P P P P P P P P P P P P P P P P P P	43		SE	P	P	P	P	P	Р	Р	P	Р	P	Р	Р
44 Shetty TE P P P P P P P P P P P P P P P P P P					1	1									
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	45		SE	P	P	Р	P	P	Р	Ρ.	Р	Р	P	P	P



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	Santosh	1								<u> </u>				
	kumar													
46	Sinha	SE	P	Р	P	P	P	P	P	P	Р	P	P	P
	Shaikh	i				<b></b>	···	<u> </u>			•	<u> </u>		
	Rahil													
	Mohd													
47	Sajid	SE	Р	Р	Р	Р	Р	Р	P	Р	Р	Р	Р	Р
	Shamika		_	_	_	_								
48	Aslekar	TE	Р	Р	Р	Р	Р	Р	Р	Р	. P	Р	P	Р
	Shashan k													
49	Thakur	TE	P	P	P	P	Р	P	P	Р	P	Þ		
49	Shubha		<u> </u>	F	<u> </u>	<u> </u>	Р	P	P	<u> </u>	P	H'	Р	Р
	m													
50	Mishra	TE	P	Р	P	P	P	P	P	p	P	P	Р	Р
	Sparsha								<u> </u>	····· <del>,</del>		<u> </u>	•	· · · ·
	Upadhy													
51	ay	TE	Р	P	Р	P	Р	P	P	Р	P	Р	P	P
	Tanisha													
52	Sheikh	TE	Р	Р	Р	P	P	P	Р	Р	Р	Р	Р	Р
	Vatsal													
En	Manish Kore	CE.	Р	P.	,		_		_	_	_	_		_
53	Vedaant	SE	۲	P .	Р	P	Р	P	P	P	Р	P	Р	Р
	a													
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;	р				;									
54	Landge	SE	Р	P	P	Р	Р	P	P	P	P	P	P	Р
	Marla													
	Vignesh													
55	Prathish	SE	Р	Р	Р	Р	P	P	P	P	Р	Р	Р	Р
	Vitika													
	Prakash		_	_	_	_	_	_	_					
56	Mahto	TE	P	P	Р	Р	Р	Р	Р	p.	Р	Р	Р	Р
57	Vivek Pimple	TE	Р	Р	P	Р	P	P	P	P	,	_		
97	Vyom				<u>'</u>	۲	Р	۲	۲	۲,	Р	Р	Р	Р
	Saurabh													
58	Pandey	TE	Р	P	Р	Р	P	P	P	P	P	P	P	Р
	Yash			·	<u> </u>	·		•	············	<del> </del>	<b>'</b>		'	
	Kishor													
59	Patil	SE	Р	Р	Р	Р	Р	Р	Р	Þ	Р	P	Р	Р
	Syed													
	Afzal													
60	Hussain	SE	P	Р	Р	Р	Р	P	Р	P	Р	Р	ρ	Р
	Suhas		_			_								
61	Kankute	SE	P	P	Р	Р	P	Р	P	Р	P	Р	P	Р

of

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Sector V, Nerui, Navi Mumbai 400706



#### Responses

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14 4 1 1	6-19-21	6-19-21		219A6			yadavvenkatesh219@siesgst	9167256
1		8:47:36	YADAV KANNAN	071	BE	Α	.ac.in	544
	6-19-21	6-19-21	Mrunmayee	120A1			mrunmayeekce120@gst.sies	7021515
2	9:54:29	9:55:16	Kulkarni	059	FE	С	.edu.in	191
	6-19-21		Samiksha	120A1		172 - Najir	samikshaice120@gst.sies.ed	9969135
3	10:03:57	10:04:28	lyengar	093	FE	С	u.in	945
	6-19-21	6-19-21	Dhanshree	220A2			dhanshreetextc220@gst.sies	9082806
4	10:05:02	10:05:54	Tekale	127	SE	Α	.edu.in	310
	6-19-21	6-19-21		220A2			arshiyawextc220@gst.sies.e	9511839
5	10:01:40	10:06:16	Arshiya Wagle	130	SE	Α	du.in	987
	6-19-21	6-19-21		219A2			pimplevivek219@siesgst.ac.i	9324238
6	10:06:31	10:07:19	VIVEK PIMPLE	132	TE	В	n	313
	6-19-21	6- <b>19</b> -21		219A2			gadagenutan 219@siesgst.ac.	9967196
7	10:12:42	10:13:22	NUTAN GADGE	123	86	В	o <b>in</b> Aveloria (m. 1911).	911
	6-19-21	6-19-21		119A2			aswinnextc119@gst.sies.edu	9619940
8	10:14:21	10:16:30	ASWIN NAIR	046	ŞE	A	In	047
	6-19-21	6-19-21	RAMESH	119A3		in the order	rameshyit119@gst.sies.edu.i	9967303
9	10:16:23	10:17:05	YADAVAR	060	TE	∴E ⊹ i⊸	g <b>'n</b> (44 − 1	<b>1</b> 22
	6-19-21	6-19-21		119A2				9503322
10	10:17:51	10:18:23	ANURAG NALA	048	SE	Α	nalaanurag19@siesgst.ac.in	134
	6-19-21	6-19-21		118A2			siddharthjextc118@gst.sies.	7021369
11	10:17:09	10:19:25	SIDDHARTH JAIN	040	TE	Α	edu.in	257
	6-19-21	6-19-2 <b>1</b>	PRATHAMESH	219A2			gawandprathamesh219@sie	8108083
12	10:19:17	10:20:02	GAWAND	124	TE	Α	sgst.ac.in	298
	6-19-21	6-19-21		119A2			vyompextc119@gst.sies.edu.	702121
13	10:19:16	10:20:57	VYOM PANDEY	052	SE	Α	ln .	178
	6-19-21	6-19-21	SANGITA	118A2			gowda.sangita18@siesgst.ac	771099
14	10:22:04	10:22:29	GOWDA	033	ΤE	Α	,in	856
	6-19-21	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	SAI SRI SRAVYA	119A2			sravyasextc119@gst.sies.edu	9987570
15	10:03:55		SISTLA	066	SE	В	Ain Share Market Control	916
	6-19-21		SARVESH	119A6			sarveshyme119@gst.sies.ed	810880
16	10:20:26		VICHARE	056	\$E	F	u.in	333
575.35	6-19-21		PRIYANSHU	119A2			prlyanshucextc119@gst.sles.	913610
17	10:34:33		CHOUDHARY	058	TE	Α	eduiln	613
	6-19-21		RUSHIKESH	118A2			rushikeshjextc118@gst.sies.	983397
18	10:37:39		JOGLEKAR	043	TE	Α	edu.in	685
	6-19-21	A CONTRACTOR OF THE STREET		119A2		7 <u>1</u> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ashishsextc119@gst.sies.edu	874396
19	10:42:48	to the first and the transplant of the first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first fir	ASHISH SINGH	009	SE	Α	.in	630
	6-19-21		VAISHNAVI	118A2			mukku.valshnavi18@siesgst.	773821
20	10:58:17		MUKKU	067	TE	В	ac.in	012
	6-19-21		·· · · · · · · · · · · · · · · · · · ·	117A2			shoalbsextc117@gst.sies.ed	998786
21	11:03:10		SHEKASAN	092	BE	В	u.in	701
	6-19-21			118A2		· · <del>-</del> · ·	rohanmextc118@gst.sles.ed	975712
22	10:58:41		ROHAN MORE	065	TE	В	u.in	434
44	6-19-21			120A3		<u>=</u>	sonakshijit120@gst.sies.edu.	731721
23	11:07:25	The Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co		056	FF	E	in	555
	6-19-21		ABHISHEK	219A2	eel <del>t</del> .	opp <del>t</del> e all	sheelwantabhishek219@sies	868981
2.4	11:12:22		SHEELWANT	135	TE	Α	gst.ac.in	670
24	11:12:22	. 11,12,33	DISCENSAMIAL	133	16		Pariacita	5,0

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Sri Chandrasekarendra Saraswathy Vldyapuram
Sector - V, Nerul, Navi Mumbal - 400706



	6-19-21	6-19-21	PRIYANKA	219A2			naldupriyanka219@siesgst.a	7021027
25	11:12:22	11:13:14	NAIDU	130	TE	Α	c.ln	877
	6-19-21	6-19-21		118A2			snehapextc118@gst.sies.edu	8452981
26	11:10:49	11:16:07	SNEHA PARNE	078	B€	В	.in	604
	6-19-21	6-19-21		119A2			khushpextc119@gst.sies.edu	9930611
27	11:16:53	11:22:03	KHUSH PATIL	030	SE	Α	.in	623
. 77	27.7		JAIJANANI			•		
	6-19-21	6-19-21	RADHAKRISHNA	119A3			jaijananiradhakrishnan19@si	8433547
28	11:37:01	11:37:32	N	024	TE	Ε	esgst.ac.in	387
	6-19-21	6-19-21		119A2			shrutisextc119@gst.sies.edu.	7303350
20			CUBLITH CIMCH		C E	В	in	608
29	11:27:36	11:39:40	SHRUTI SINGH	077	SE	ь	• ***	9137187
	6-19-21	6-19-21		218A2	25		n hal.shalkh218@slesgst.ac.i	462
30	11:49:35	11:50:23	NIHAL SHAIKH	145	BE	Α	n	
100	6-19-21	6-19-21	VISHAL	119A2			naregalvishal19@siesgst.ac.l	8652259
31	11:53:03	11:53:24	NAREGAL	095	SE	В	n	158
	6-19-21	6-19-21	DEEPANSHU	119A2			deepanshusextc119@gst.sie	9323120
32	12:08:07	12:08:40	SOMVANSHI	014	TE	Α	s.edu.in	152
	6-19-21	6-19-21		120A7			kunalzecs120@gst.sies.edu.i	9653350
33	12:07:43	12:09:35	Kunal Zambare	062	FE	В	n	625
	6-19-21	6-19-21	DHRUV	119A2			dhruvsextc119@gst.sies.edu	9769913
34	12;11:14	12:12:36	SUVARNA	015	SE	А	.in	147
	6-19-21	6-19-21		119A2			5 D 4 S S S S S S S S S S S S S S S S S S	9320954
35	12:11:44	12:13:10	ANUSHKA SUR	008	SE	Α	suranushka19@siesgst.ac.ln	609
00 <b>00</b>			· MIOSITINA SQI	119A2				932047
	6-19-21	6-19-21	CARCINI CAMANALI		SE	В	gawalisakshi19@siesgst.ac.ln	988
36	12:13:04	12:13:40	SAKSHI GAWALI	068	JE	<u>D</u>		8652259
	6-19-21	6-19-21	VISHAL	119A2		Salva ( ) (	naregalvíshal19@siesgst.ac.l	
37	12:13:26	12:13:46	NAREGAL	095	ŞE	В		158
	6-19-21	6-19-21	DARSHAN	119A2			darshansextc119@gst.sles.e	771083
38	12:13:28	12:14:20	SONAWANE	012	SE	A	du.in	977
	6-19-21	6-19-21		119A2			poojagextc119@gst.sies.edu	766604
39	12:13:29	12:16:00	POOJA GUCHAIT	023	SE	ļΑ	.in	510
	6-19-21	6-19-21		119A2			akaashvextc119@gst.sies.ed	842403
40	12:12:29	12:18:26	AKAASH VR	006	SE	Α	u.in	761
42,446.59	6-19-21	5-19-2 <b>1</b>		119A2				982106
41	12:23:02	12:23:41	SRISHTI RAVI	081	SE	8	srlshtiravl19@slesgst.ac.ln	991
	6-19-21	6-19-21	PREETI	119A3			birajdarpreeti19@siesgst.ac.i	997589
47	12;19:59	12:26:55	BIRAJDAR	040	TE	Ε	n	590
42			and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	119A3	!.		singanmallivaishnavi19@sies	892875
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43	12:32:28	12:33:44	SINGANMALL	063	) SE	Ε	gst,ac.in	
	6-19-2 <b>1</b>	6-19-21	UDIT	117A2			uditcextc117@gst.sies.edu.i	767802
44	12:39:04	12:40:31	CHATURVEDI	019	TE	Α	n Transportation (See Florida	163
	6-19-21	6-19-21		120A7				704549
45	12:59:12	12:59:49	Sahil Saini	046	FE	8	sahilsecs120@gst.sies.edu.in	937
	6-19-21	6-19-21		220A2			Jesnojextc220@gst.sies.edu.i	751025
46	13:16:22	13:17:55	Jesno Joseph	107	SE	В	n	856
	6-19-21	6-19-21		119A2			hitensextc119@gst.sies.edu.i	704518
47	13:10:27	13:19:18	HITEN SHARMA	026	SE	Α	<b>n</b>	568
1000	6-19-21	6-19-21		119A2		• ` ` ` .	srishtisharma19@siesgst.ac.i	916711
ЛÔ		13:23:06	SRISHTI SHARMA	072	TE	В	n	345
48	13:22:08						parasshubham19@slesgst.ac	976964
	6-19-21	6-19-21	1 10 111 11 12 14 14 14 1	119A2			hataszummutta finales Barrar	951
49	13:23:39	13;24:10		078		В	the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract o	
	6-19-21	6-19-21		218A2		_	achutha.menon218@siesgst.	992082
50	13:34:20	13:34:45		129	BE	8	ac.in	418
	6-19-21			219A2	4.5 %		sakshimextc219@gst.sles.ed	836919
51	13:50:09	13:51:17	MAHADIK	127	TE	В	u.ln	057
	6-19-21	6-19-21	Mohammed	220A2			mohammedaminbextc220@	702153
52	13:53:51	13:54:54		104	SE	Α	gst.sles.edu.in	108
	6-19-21	6-19-21		119A2			vinltrextc119@gst.sies.edu.i	93725
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	6-19-21	б-19-21		119A2			mokashiaditi19@siesgst.ac.i	9076168
54	14:00:01	14:02:35	ADITI MOKASHI	005	SE	Α	n	206
	6-19-21	6-19-21	PRANJAL	119A2			thakurpranjai19@siesgst.ac.i	7678086
55	14:02:54	14:03:54	THAKUR	057	SE	В	<u>n</u>	486
	6-19-21	6-19-21	Balasubramaniy	220A2			balasubramaniyamkextc220	7715847
56	14:05:54	14:06:31	am Konar	112	SE	Α	@gst.sies.edu.in	955
	<b>6-19-21</b>	6-19-21		117A2			Sadish.nadar17@siesgst.ac.l	8286330
57	14.07:43	14:08:18	SADISH NADAR	065	TE	Α	n ·	012
	6-19-21	6-19-21	. Or (D) OTT THE COTTON	220A2	·		divyasextc220@gst.sies.edu.i	8356979
F0		15:59:44	Divya Singh	120	S€	А	n	595
58	15:54:52		DIVYA MIBII	117A2			krishna.aman 17@ siesgst.ac.i	9869996
	6-19-21	6-19-21	ANANI DEIDEV	026	ВЕ	Α	n	011
59	16:37:53	16:40:04	AMAN DUBEY		DE	~	A contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of	8454928
	6-19-21	6-19-21	Walter Barrie	220A2	CE	٨	Yashpextc220@gst.sies.edu.i	259
60	16:42:50	16:44:47	Yash Patil	115	SE	Α.	il	
	6-19-21	6-19-21		220A2		_	Avulakextc220@gst.sles.edu.	7977330
61		17:00:22	Avula Kanakaiah	102	\$E	В	in ARC :	153
	6-19-21	6-19-21	SHUBHAM	118A2			mishra.shubham18@siesgst.	8080355
62	17:02:24	17:03:00	MISHRA	063	BE	В	ac.in	395
	6-19-21	6-19-21		118A2	÷. •			9653302
63	17:02:54	17:03:58	SINGH KUMAR	103	BΕ	В	singh.rikee18@siesgst.ac.ln	737
	6-19-21	6-19-21	PARVATI	118A2			pandaram.parvati18@slesgst	9004139
64	17:17:49	17:18:46	PANDARAM	075	BE	В	.ac.in	881
	6-19-21	6-19-21	ARCHANA	116A2			archana.subramaniam16@si	836937
65	17:27:00	17:30:17	SUBRAMANIAM	107	BE	В	esgst.ac.in	069
	6-19-21	6-19-21	SPARSHA	118A2	73		sparsha.sparsha18@slesgst.a	797746
66	17:38:10	17:39:15	UPADHYAY	113	BE	В	c.ln	195
00		6-19-21	CHETNA	119A2				877963
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67	17:45:35	17:45:45	PRADHAN		. JL		sakshi.shankar18@siesgst.ac	998751
	6-19-21	6-19-21	CARCIN CUCTO	118A2	D.C	•	.in	300
68	17:45:05	17:45:59	SAKSHI SHETTY	097	BE	В		
	6-19-21	6-19-21	BALAKRISHAN	118A2			magipati.bala18@siesgst.ac.i	703988
69	19:00:42	19:01:38	MAGIPATI	057	TE	Α		733
	6-19-21	6-19-21	VIGHNESH	119A2			vighneshmextc119@gst.sies.	835598
70	19:03:17	19:03:40	MUDALIAR	093	TE	В	edu.in	281
	6-19-21	6-19-21	VIGHNESH	119A2	s, fet i		vighneshmextc119@gst.sles.	835598
71	19:03:46	19:04:07	MUDALIAR	093	TE	. В	edu.in	281
	6-19-21	6-19-21		118A2				932625
72	19:04:02	19:04:55	SAGAR MANE	059	ΤE	Α	mane.sagar18@siesgst.ac.in	126
	6-19-21	6-19-21	PUNIT	118A2			suryarao.punit18@siesgst.ac	704540
73	19:12:12	19:14:25	SURYARAO	107	ΒE	В		050
	6-19-21	6-19-21		118A2	1 1. 1.		rashml.shankar18@siesgst.a	810437
7.1	19:14:27	19:15:28	RASHMI SINGH	102	BE	В	c.in	394
74		6-19-21		119A2		<u> </u>	chittapurkirtikumar@siesgst.	835689
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75	20:04:30	20:05:29	CHITTAPUR			··· •	pavlinfextc119@gst.sies.edu.	827571
	6-19-21	6-19-21	PAVLIN	119A2	T-	٨	ju bannuexterra@82t/2162/600	044
76	20:40:47	20:41:12	FERNANDES	018	TE	Α		
	6-19-21	6-19-21	From the contract of the property of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contr	219A2			shashanktextc219@gst.sies.	889863
77	23:14:53	23:15:37		138	TE	В	edu.in	925
	6-19-21	6-19-21		220A2		_	omkaryextc220@gst.sles.ed	882808
78	23:26:22	23:27:56		131	ŞE	В	<u>u.in</u>	892
	6-20-21	6-20-21		119A2				913633
79	7;18:08	7:19:07	SUNNY TIWARI	086	SE	: B	tiwarlsunny19@siesgst.ac.ln	746
	6-20-21	6-20-21	KRUTIVENTI	119A2			krutiventimeghana19@siesg	70217
80	9:54:49	9:56:28		033	SE	Α	st.ac.in	052
	6-20-21	6-20-21		119A2			fandgvedaanta19@siesgst.ac	81694
81	9:56:15	9:58:52	"是" 444 电控制电流控制器 网络美国人名英国人 化二十二烷二	037	SE	Α	a a la la la la la la la la la la la la	572
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82	6-20-21	6-20-21	ADHITYA	119A2	18 S. 18 S. 18		adhityakumaran 19@siesgst.	. Xyun⊔



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Sector - V, Norul, Navi Mumbal - 400706



	6-20-21	6-20-21		119A2			kunalpextc119@gst.sies.edu.	8888116
84	12:51:42	12:54:27	KUNAL PATKAR	035	SE	Α	in	776
	6-20-21	6-20-21		119A2			vigneshmextc119@gst.sies.e	7700002
85	12:54:49	12:59:07	VIGNESH MARLA	040	ŞE	Α	du.in	319
·	6-20-21	6-20-21	MANAS	119A2			mendonmanas19@siesgst.ac	8450960
86	12:56:30	13:13:00	MENDON	039	SE	Α	.in	219
			KAVYA		:-::::			
	6-20-21	6-20-21	CHANDRASEKAR	119A2		•	kavyachandrasekaran19@sle	9819292
87	13:23:18	13:25:14	AN	029	SE	Α	sgst.ac.in	542
			AN	220A2		'	rahlisextc220@gst.sles.edu.i	8356826
	6-20-21	6-20-21	n_td cL_dL		SE	В		030020
88	13:40:09	13:41:31	Rahil Shaikh	119	JE	D	n	7710028
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89	13:41:26	13:43:21	KEDAR SANT	074	TE	D <sub>.</sub>	sant.kedar18@siesgst.ac.in	
	6-20-21	6-20-21		220A2		_	afzalsextc220@gst.sies.edu.i	7007119
90	14:23:55	14:24:42	Afzal Syed	124	SE	В	n	188
	6-20-21	6-20-21	•	117A2			greeshma.nair17@siesgst.ac.	9967173
91	15:14:50	15:18:05	GREESHMA NAIR	072	BE	Α	in james james james james james james james james james james james james james james james james james james	29 <del>9</del>
	6-20-21	6-20-21		116A2			kapilgextc116@gst.sies.edu.l	9082679
92	15:51:21	15:53:50	KAPIL GHOTKAR	022	BE	Α	n	842
	6-20-21	6-20-21		118A2			yashgextc118@gst.sies.edu.i	986794
93	18:46:01	18:51:36	YASH GHILDIYAL		BE	· :A	'n	471
i	6-20-21	5-20-21		119A2		•	•	797772
94	19:30:11	19:35:26	VATSAL KORË	092	SE	В	korevatsal 19@slesgst.ac.in	491
34	···	6-20-21	RUCHA	117A6		<u>-</u>	ruchamme117@gst.sles.edu.	961979
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95	19:45:52	19:47:04	MUSHRIF		DE.		sameeksharai19@siesgst.ac.i	983310
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96	19:50:21	19:51:41	SAMEEKSHA RAI	070	SE	В	<u>n</u>	
	6-20-21	6-20-21		118A2	Park.		ommextc118@gst.sies.edu.l	909676
97	20:09:05	20:11:52	OM MISAL	062	SE	В	erik i <b>n</b> der merg Alline in die die	539
	6-20-21	6-20-21		220A2			harshadakextc220@gst.sies.	992024
98	19:55:21	20:14:59	Harshada Koli	111	SE	В	edu.In	219
	6-20-21	6-20-21		119A3	H.V		abhishekvsit119@gst.sies.ed	638871
99	21:11:30	21:14:00	ABHISHEK SINGH	004	SE	E	น.ใก	810
i,i	6-20-21	6-20-21	PRADNYA	119A2			talekarpradnya19@siesgst.a	992077
100	21;14:36	21:15:14	TALEKAR	056	SE	В	c.in	040
	6-20-21	6-20-21	MELETHIL	119A2	. 1 -		melethilshaheem@siesgst.ac	913716
101	21:50:38	21:52:32	SHAHEEM	041	TE	Α	in	356
. tirata	6-20-21	6-20-21	MELETHIL	119A2		* *.	melethilshaheem19@slesgst	913716
100		21:55:18	SHAHEEM	041	TE	Α	,ac.ln	356
102	21:53:51						kumbharaaryan19@slesgst.a	913634
400	6-20-21	6-20-21	AARYAN	119A2	CE			889
103	23:26:31	23:27:09	KUMBHAR	002	SE	Α	c.in	797724
	6-20-21	6-20-21		218A2			paresh,prabhu218@siesgst.a	
104	23:38:13	23:39:19	PARESH PRABHU	142	BE	A.,	c.in	341
	5-20-21	6-20-21		119A2			tanishasextc119@gst.sles.ed	937260
105	23:50:19	23:55:16	TANISHA SHEIKH	082	SE	В	u.in	177
	6-20-21	6-21-21	SHAMIKA	118A2			shamika.prasad18@siesgst.a	771583
106	23:59:36	0:01:11	ASLEKAR	007	TE	Α	c.in	541
	6-21-21	6-21-21	Balasubramaniy	220A2			balasubramaniyamkextc220	77158
107	8:29:34	8:31:00		112	SE	В	@gst.sies.edu.in	955
	6-21-21	6-21-21		118A2				98193
108	10:06:08	10:07:46	ANIKET WAGH	117	TE	В	aniket.wagh18@siesgst.ac.in	138
	6-21-21			119A2	,		sameetsextc119@gst.sles.ed	750630
109	11:06:52	11:07:16	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	071	SE	В	u.in	812
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	6-21-21	6-21-21		118A2			aniketwextc118@gst.sles.ed	98193
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	6-21-21	6-21-21		220A2			gourisextc220@gst.sies.edu.l	9555435
113	13:19:33	13:20:41	Gouri Singh	121	SE	A	n	355
	6-21-21	6-21-21		119A2				8433583
114	14:03:15	14:04:50	RITHIK PATIL	059	SE	8	patilrithik19@siesgst.ac.in	154
	6-21-21	6-21-21	JINENDR	119A2		•	poojaryjinendr19@siesgst.ac	9987428
115	18:40:44	18:42:12	POOJARY	055	SE	В	.ln	658
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	6-21-21	6-21-21		119A2			kurupashwin19@siesgst.ac.i	7039406
116	18:41:05	19:00:08	ASHWIN KURUP	036	SE	A	<u>n</u>	510
	6-22-21	6-22-21	MANAS	119A2			mendonmanas19@siesgst.ac	8450960
117	4:00:01	4:01:01	MENDON	039.	SE	A	Jn j	219
	6-22-21	6-22-21		119A2			dhakeharshal19@siesgst.ac.i	8779087
118	6:08:27	6:09:51	HARSHAL DHAKE	024	ŞE	, A	<sub>.</sub> n	961
}	6-22-21	6-22-21		119A2				8655506
119	9:24:03	9:24:20	ARYAN SORTE	080	ŞE	В	sortearyan19@siesgst.ac.in	998
	6-22-21	6-22-21	Prateek	120A2			prateekhextc120@gst.sles.e	9136069
120	19:26:22	19:27:36	Hunasikatti	017	FE	Α	du.in	902
	6-22-21	6-22-21	•	119A2			chaitalinextc119@gst.sies.ed	7718899
121	23:19:24	23:21:38	CHAITALI NIMSE	050	\$E	Α	u.in	118
	6-23-21	6-23-21		220A2			suhaskextc220@gst.sies.edu	9702249
122	0:23:11	0:23:49	Suhas Kankute	108	SE	В	.ln	733
1.50	6-23-21	6-23-21		118A2			vitika.prakash18@siesgst.ac.	8104784
123	1:22:34	1:23:48	VITIKA MAHTO	058	BE	Α	in	080
	6-23-21	6-23-21	Mitesh	220A2			miteshhextc220@gst.sies.ed	8879521
124	11:46:11	11:47:30	Haldankar	105	SE	В	u.in	576
	6-23-21	6-23-21		119A6	: 4. 1		在"水"的"	9082500
125	19:16:25	19:17:33	RAHULIYER	034	TE	}F.∵	rahulime119@gst.sies.edu.in	580
	6-24-21	6-24-21	KARTHIKA	119A6			devendrankarthika19@siesg	8928141
126	2:15:32	2:16:30	DEVENDRAN	019	SE	F	st.ac.in	508
	6-24-21	6-24-21	NEVIN	119 <b>A</b> 6	i bet	1144	nevincme119@gst.sies.edu.i	9769156
127	10:57:48	10:58:28	CHIDAMBARAM	026	SE	F	a a	482
	6-25-21	6-25-21		118A3				7264032
128	16:53:02	16:53:41	SRIKRIPAA S	057	TE	Ε	Srikripaa.s18@siesgst.ac.in	538
	6-26-21	6-26-21	Santoshkumar	220A2		1	santoshkumarsextc220@gst.	8451923
129	20:42:11	20:43:21	Sinha	122	SE	Α	sies.edu.in	087
	6-26-21	6-26-21		220A2		_	suhaskextc220@gst.sies.edu	9702249
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	6-27-21	6-27-21	DEEP	119A2	_		deepbextc119@gst.sies.edu,	8830879
131	17:40:06	17:42:02	BHANUSHALI	013	SE	Α.	<b>in</b>	133
	6-27-21	6-27-21	UDIT	117A2			uditcextc117@gst.sies.edu.i	7678025
132	21:56:15	21:57:13	CHATURVEDI	019	TE	Α	n	163

#### 3. Feedback (Analysis)

In One week SDP on 'Introduction Embedded and IoT' Students were taught basics of embedded systems, various microprocessor/microcontroller based boards, sensors, communication protocols & RTOS. The quiz was conducted at the end of everyday based on content covered.

Students were given case study topic at the end of SDP in a group.

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Module wise quiz was conducted and analysis of the same is as given below.

Sr. No.	Module Name	% of Students Scoring 60% and above marks
1	Introduction to Embedded Systems	71.62%
2	Microcontroller based Boards	97.18 %
3	Sensors	97%
4	Communication Protocols	98%
5	Introduction to cloud and IoT	94%
6	Real Time Operating	100%

#### 4. Certificate



Adhitya kumran of SE EXTC has successfully completed 1 week SDP on Introduction to Embedded System and IoT conducted by Dept. of Electronics and Telecommunication, SIESGST

from 28th June to 3rd July, 2021

N. Kemfler DR ATUL KEMKAR

CR NO. EXTC: 280

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### South Indian Education Society's GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai. DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

#### Brochure

### Advanced Antenna Design June 28 to July 04, 2021

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Click here to register

Although the microstrip antenna has been extensively studied in the past few decades as one of the standard planar antennas, it still has a huge potential for further developments. Microstrip antennas are considered as the most common types of antennas due to their obvious advantages c. Since there are several challenges in the design of antennas, a training programme on this topic would be very beneficial to enrich their knowledge and to carry out advanced research in antenna domain. The objective of this SDP is to train the participants in both fundamental and research levels.

#### **About Instructors:**

This course will be taught by a team of Dr. K. P. Ray, Professor, Dean & Head, Electronics Engineering and CSE Dept., Defence Institute of Advanced Technology Pune, Mr. Swapnil Gaul, Founder of Numergion (TaraNG), Dr. Shubhangi Kharche, Prof. Vandana Sawant, Prof. Kintu Patel, SIES GST.

#### Course Objectives:

Students should be able to	
Design and analyse microstrip line.	
Develop applications of microstrip line.	
Design of line feed rectangular patch antenna and develop its applications.	
Design and analysis of electrically small antennas for wireless communication.	

#### Course Outcomes:

- Design and analysis of microstrip line.
- Design of the Patch Antenna.
- Simulation of the Patch Antenna using simulation software HFSS.
- To evolve, develop and improvise different types of patch antennas suitable for numerous applications like microwave communication, radar, mobile communication, IOT applications so on.

#### **Course Content:**

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Module '	Contents	Hours		
1,	Installation and testing of related software.	2 hrs		
2.	MICROSTRIP LINE:	2 hrs		
	Design of microstrip line, S parameter analysis, characterization of microstrip line based on length of line, design and simulate impedance matching using quarter wave transformer using HFSS.	4 hrs		
3.	RECTANGULAR PATCH ANTENNA AND ITS APPLICATIONS: Introduction to microstrip structure, calculate dimensions of rectangular patch antenna at 2.4GHz, design and simulate line feed rectangular patch antenna for various applications using HFSS.	4 ms		
4.				
4.	Antennas for wireless communication	2hrs		
5.	ELECTRICALLY SMALL ANTENNAS Introduction to electrically small antennas, design of electrically small antennas for wireless communication.	4 hrs		
6.	WIDE BAND ANTENNA Introduction to wideband antennas, Design of wideband antennas.	2 hrs		
7.	Antenna design and latest applications	2 hrs		
8.	Mini Project on Design and Simulation of Antenna	8 hrs		

#### Assessment:

- 1. Students will be assessed based on module wise assignments and quizzes.
- 2. In this value added course students will develop Mini projects based on above concepts.

Course Co-ordinator: Prof. Vandana Sawant

E mail ID:

vandanas@sies.edu.in

Contact no.:

9820755314

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Day wise schedule of workshop

Day	Activity				
Day					
Day 1					
28/6/2021	DESIGN AND SIMULATION OF MICROSTRIP LINE BY PROF. VANDANA SAWANT				
Day 2	DESIGN, SIMULATION AND OPTIMIZATION OF QUARTERWAVE TRANSFORMER BY PROF.				
29/6/2021	VANDANA SAWANT				
	INTRODUCTION TO MICROSTRIP ANTENNA DESIGN, SIMULATION AND OPTIMIZATION				
	OF EDGE FED MICROSTIP ANTENNA BY PROF. VANDANA SAWANT				
Day 3	DESIGN, SIMULATION AND OPTIMIZATION OF INSET FEED MICROSTRIP ANTENNA BY				
30/6/2021	PROF. VANDANA SAWANT				
Į	ANTENNA DESIGN AND LATEST APPLICATIONS BY DR. K. P. RAY				
Day 4	1G-6G ANTENNA, TYPES, DESIGN, DRAWBACKS, ADVANTAGES AND CHALLENGES. BY DR.				
01/7/2021	SHUBHANGI KHARCHE				
	DESIGN OF ELECTRICALLY SMALL ANTENNA BY PROF. KINTU PATEL				
Day 5	SIMULATION OF ELECTRICALLY SMALL ANTENNA BY PROF. KINTU PATEL				
02/7/2021	WIRE ANTENNA DESIGN AND DEVELOPMENT OF MICROSTRIP NETWORK BY MR.				
	SWAPNIL GAUL				
Day 6	WIDEBAND ANTENNA, BODY WEARABLE ANTENNA BY PROF. VANDANA SAWANT				
03/7/2021					
00///	FABRICATION OF ANTENNA AND MINIPROJECT DISTRIBUTION BY PROF. VANDANA				
	SAWANT				
Day 7	MINIPROJECT FOR ONE WEEK				
04/7/2021					

2

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

## Department of Electronics and Telecommunication Engineering <u>Event Report</u>

#### **Advanced Antenna Design**

June 28 to July 04, 2021

#### **Event Information**

Event Type: SDP

Event title: SDP on Advanced Antenna Design

#### Resource Person:

1. Prof. Vandana Sawant, Assistant Professor, SIESGST.

2. Dr. Shubhangi Kharche, Associate Professor, SIESGST.

3. Prof. Kintu Patel, Assistant Professor, SIESGST.

4. Dr. K.P. Ray, Professor, Dean & Head, Electronics Engineering and CSE Dept., Defence Institute of Advanced Technology Pune

5. Mr. Swapnil Gaul, Founder of Numergion (TaraNG)

Event date: June 28th -July4th 2021

Organized for: TE &BE-EXTC/IT Students

Organized by: Department of Electronics & Telecommunication

Target audience (branch & nos.): EXTC - 18

IT-02

Attachments: 1. Photographs (in JPEG/PNG)

2. Attendance report

3, Feedback

4. Certificate

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#### Event Description

1. Electronics and Telecommunication Department of SIES GST had organized a hands on student development program for students of TE &BE EXTC and IT on topic "Advanced Antenna Design" from June 28th -July4th 2021. It was a one-week hands-on training conducted by Prof. Vandana Sawant, Assistant Professor, SIESGST, Dr. Shubhangi Kharche, Associate Professor, SIESGST, Prof. Kintu Patel, Assistant Professor, SIESGST, Dr. K.P. Ray, Professor, Dean & Head, Electronics Engineering and CSE Dept., Defense Institute of Advanced Technology Pune and Mr. Swapnil Gaul, Founder of Numergion (TaraNG). Since the invention of the Microstrip Antenna four decades ago, the demand for its application has been increasing rapidly, especially within the last two decades. However, these applications have been in demand mostly by the Department of Defense. Because of light weight, low cost, low profile, planar configuration, easy of conformal, superior portability, suitable for arrays, easy for fabrication, and easy integration with microwave monolithic integrate circuits (MMICs). They have been widely employed for the civilian and military applications in the form of broadcast radio, mobile systems, global positioning system (GPS), radiofrequency identification (RFID), multiple-input multiple-output (MIMO) systems, vehicle collision avoidance system, satellite communications, surveillance systems, direction finding, radar systems, remote sensing, biological imaging, missile guidance, body wearable antennas, and so on. The aim of was to SDP Introduction to basic understanding and designing of the Patch Antenna. Simulation of the Patch Antenna using simulation software HFSS and TARANG. To evolve, develop and improvise different types of patch antennas and wire antennas suitable for numerous applications like microwave communication, wireless communication, radar, mobile communication, RFID, IOT applications so on. This SDP is attended by students of TE&BE EXTC and IT. Course started with Introduction to Antenna and HFSS software then students were given hands on training on Design of microstrip line, quarter wave transformer. Design, Simulation and Optimization of a Microstrip Patch Antenna using HFSS software. Design, Simulation and Optimization of an Edge fed and Inset fed Microstrip Patch Antenna. Design, Simulation and Optimization of an Ultra-Wideband\_Microstrip antenna, MIMO Antenna. Parameter enhancement of MSA by designing different types of periodic structure. Design, Simulation and Optimization of an Electrically small antenna. Design of Wire antenna and networking of microstrip antenna using TARANG software, Wearable Antenna and fabrication of antenna.

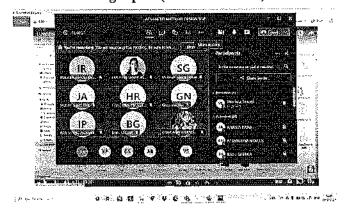
Course completion certificates were provided to the 20participants from third and fourth year of engineering.

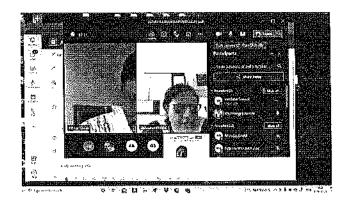
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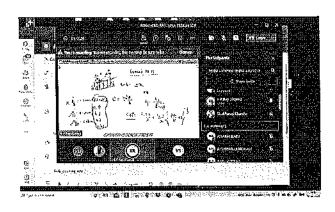
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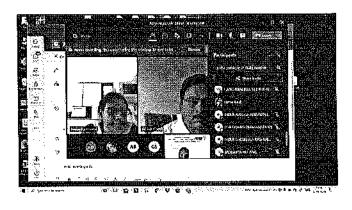


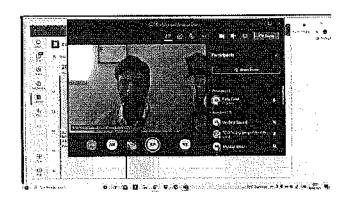
#### 1. Photographs (in JPEG/PNG)

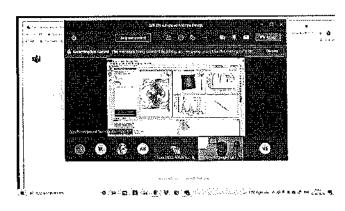


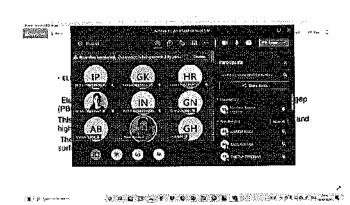


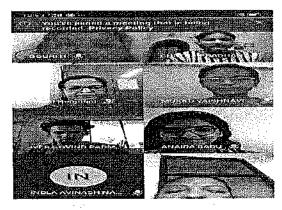














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#### 2. Attendance report

#### (Also include responses details)

List of students and their percentage attendance:

Ī	Roll		YEA	BRANC		<b>9/</b> υ
D	Number	Student Full Name	R	Н	Email2	attendance
		Gowda Sangita		TO THE CO	to contain 118/Dept. plan pulse in	100
l	118A2033	Vishwanath	BE	EXTC	sangitagextc118@gst.sies.edu.in	
2	119A3019	Geetika Babu	SE	IT	geetikabit119@gst.sies.edu.in	100
3	118A2038	Govind Iyer	TE	EXTC	govindiextc118@gst.sics.edu.in	80
4	119A3021	Shobhana Iyer	TE	IT	shobhanajit119@gst.sies.edu.in	100
5	119A2011	Chetna Pradhan	SE	EXTC	chetnapextc119@gst.sies.edu.in	100
	11742027	Chubbam Nagaii Carala	TE	EXTC	shubhamgextc117@gst.sies.edu.i	100
6	117A2037	Shubham Nagoji Gorule	115	DATE	vaishnavimextel 18@gst.sies.edu.	197
7	118A2067	Mukku Vaishnavi	TE	EXTC	<u>in</u>	100
8	118a2008	Ayshwarya Mohan	BE	EXTC	ayshwaryamextc118@gst.sies.edu .in	80
			TE	EXTC	anaidarextc118@gst.sies.edu.in	100
9	118A2004	Anaida Babu		EXTC	pavlinfextc119@gst.sies.edu.in	100
10	119A2018	Paylin Fernandes	SE			100
11	118A2046	Kartik Pant	TE	EXTC	kartikpextc1   8@gst.sies.edu.in	+
12	118A2039	Sumit Anil Jadhav	TE	EXTC	sumitjextc118@gst,sies.edu.in	100
13	118A2026	Nishant Gharat	TE	EXTC	nishantgextc118@gst.slcs.cdu.in	100
14	118A2035	Prateek Hanchinal	BE	EXTC	prateckhextc118@gst,sics.edu.in	100
15	118A2037	Avinash Indla	BE	EXTC	avinashiexte118(@gst.sies.edu.in	100
16	218A2124	Shriya Pravin Kamble	BE	EXTC	shriyakextc218@gst.sies.edu.in	90
		Nair Greeshma		777 TO C	greeshmanextell7@gst.sies.edu.i	100
17	117A2072	Unnikrishnan	BE	EXTC	0	·-
18	118A2032	Gouri H	TE	EXTC	gourihextell8@gst.sies.edu.in	100
19	118A2030	Bhumika Gopale	BE	EXTC	bhumikagexte118@gst.sics.edu.in	80
20	218A2126	Swapnati Dhulap	BE	EXTC	Swapnalidextc218@gst.sies.edu.i	70

#### 3. Feedback (Analysis)

No. of students registered feedback: 20

Feedback is taken on course objective. Average rating is out of 5

- 1. Design and analyze microstrip line. Average rating: 4.60
- 2. Develop applications of microstrip line. Average rating: 4.30

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- 3. Design of line feed rectangular patch antenna and develop its applications. Average Rating:4.35
- 4. Design and analysis of electrically small antennas for wireless communication. Average Rating: 4.25

5. Some specific comments given by students in feedback

No suggestion I learned very well as mam have gone through step by step, I even had fun rotating microstrip

Enlightening sessions by faculty as well as experts.

It was very interesting and informative. Add about various types of latest technologies used antennas in real life

The Antenna SDP was very informative, got to know a lot about Antenna concepts and how they actually work in real time systems. Also, in the expert talk sessions the real-life examples were very easy to grasp the concepts and to know the basics.

It was Amazing, something different from regular classes

It was very informative and I am now comfortable using the HFSS software.

It could be more informative. But nice session

Vadana mam and kintu mam explained the antenna concepts very well and they made this antenna designs very simple.

The SDP was great. It boosted my confidence regarding designing of antenna

Like to work on more projects on antenna-based topics

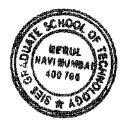
The SDP was well conducted and taught. Hopefully we will be able to get more projects in this

#### Impact Analysis:

- 19 students attended Quiz conducted on microstrip lines and basic antenna parameters and all scored 100% marks.
- 19 students attended Quiz conducted on antenna array, wideband antenna, dual band antenna and 17 students scored 100% marks.
- 15 students attended Quiz conducted on electrically small dipole antenna and all students scored above 80% marks.
- 15 students attended Quiz conducted on antenna used in wireless networks and all students scored above 70% marks.
- 20 students completed miniproject based on antenna design and submitted report.
- 8 students decided to do their final year project in antenna design for various applications.

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CR NO. EXTC : 207

### CERTIFICATE

OF APPRECIATION

This is to certify that

Gowda Sangita Vishwanath of BE EXTC

has successfully completed 1 week SDP on

Advanced Antenna Design

conducted by Dept. of Electronics and Telecommunication, SIESGST

from 28th June to 4th July, 2021

Prof. Vandana Sawant COURSE CO-ORDINATOR DR PREETI HEMNANI HOD, EXTC DEPT OR ATUL KEMKAR PRINCIPAL SIESGST

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#### Brochure



## South Indian Education Society's GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai. DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

## Machine Learning and Image Processing using Python June 21 to July 9, 2021 Click here to register

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.

#### **About Instructors:**

This course will be taught by a team of software design researchers, Mr. Abhay Phansikar, Director, Agilen Technologies, Mr. Prasanna Biswas, Machine learning Engineer at Corporate R & D Qualcomm and Prof. Swati Rane, Prof. Pushkar Sathe, Prof. Shyamala Mathi, SIES GST.

#### Course Objectives:

CO
To write and explain basics commands of python
To explain basics of image processing
To implement basic image processing using python
To explain concepts of machine learning
To write codes of machine learning using python
To implement mini project based on image processing and machine learning using python

#### Course Outcomes:

- To use Python Jupyter tool
- · Perform all basic operations in the Dataset and Visualize data using the libraries
- · Perform basic operations on digital image using Python
- Implement classifier model for given data and compare its performance with other classifier.

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#### Course Content:

Module	Contents	Hours
1.	Basics of python	8 hrs
	Overview of python, python data types, build in data structure, Lists, tuples, dictionaries, string built in methods.	
2.	Applications in image processing	8 lus
	Histogram of image, splitting color image into RGB, Histogram Equalization, edge detection using simple operators.	
3.	Applications in Machine learning	24 hrs
	Introduction to machine learning, data manipulation and pre- processing, data visualization, linear and logistic regression, SVM, decision tree, classification using KNN, Implementation of CNN.	

#### Assessment:

- 1. Students will be assessed based on module wise assignments and quizzes.
- 2. Students have to develop Mini projects based on above concepts.

Course Co-ordinator: Prof. Pushkar Sathe

E mail ID:

pushkars@sies.edu.in

Contact no.:

9870630637

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Day wise schedule of workshop

Day	Day wise schedule of workshop  Activity						
Buy							
Day 1	Introduction to Python, datatypes, Numpy						
21/6/2021	Exercise on Python, datatypes, Numpy						
Day 2	Python for Data Science - Pandas: Introduction to Pandas, Series,						
22/6/2021	Dataframes – Missing Data, Groupby, merging, operations and Data i/p and o/p.Python for Data Visualization using Matplotlib and seaborn						
	Exercise on Pandas, Matplotlib and Seaborn						
Day 3	Introduction to digital image processing, image enhancement techniques						
23/6/2021	Exercise on Digital Image enhancement techniques						
Day 4	Image segmentation, morphological processing						
24/6/2021	Exercise on Image segmentation, morphological processing						
Day 5	Basics of machine learning, simple linear regression						
25/6/2021	Exercise on simple linear regression						
Day 6	Multiple Linear Regression and Logistic Regression						
28/6/2021	Exercises on Multiple Linear Regression and Logistic Regression						
Day 7	Decision tree algorithm, support vector machine						
29/6/2021	Exercise on Decision tree algorithm, support vector machine						
Day 8	K-means and KNN algorithms						
30/6/2021	Exercise on K-means algorithm						
Day 9	Basics of neural network, types of neural network						
01/7/2021	Quiz on Machine Learning						
Day 10	Expert talk on "Applications of ML in industry", Mr. Abhay Phansikar,						
02/7/2021	Director, Agilen Technologies						
	Quizzes on Basics of Python and Image Processing						
Day 11	Expert talk on "Session on computer vision and NLP", Mr. Prasanna						
03/7/2021	Biswas, Machine learning Engineer at Corporate R & D Qualcomm						
	Instruction on Mini Project, Feedback Form						

of

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Sector V, Nerul, Navi Mumbal 400705



from 04/7/2021 to 09/7/2021 Implementation of MiniProject and presentation



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

# Department of Electronics and Telecommunication Engineering <u>Event Report</u>

Internship on Machine Learning & Image Processing using Python (21/6/2021 to 09/7/2021)

Event Information
Event Type:SDP
Event title: Machine Learning & Image Processing using Python
Resource Person: Pushkar Sathe, Swati Rane and Shyamala Mathi
Event date:from 21/06/2021 to 09/07/2021
Organized for: Students
Organized by:Department of Electronics and Telecommunication
Target audience (branch & nos.): EXTC(48), ME(01), CE (08), IT(01) - 58 students
Attachments: 1. Photographs (in JPEG/PNG)
2. Attendance report
3. Feedback
4. Certificate

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#### Event Description

This courseprovides the broad introduction to the fundamentals of the Python programming language, Image Processing and Machine Learning, along with programming best practices. It includes how to represent and store data using Python data types and variables, the power of complex data structures like lists, sets, dictionaries, and tuples to store collections of related data, write scripts & handle errors and how to use modules such as Numpy, Pandas, Matplotlib and Seaborn available in the Python Standard Library.

The field of image processing involves the use of computer algorithms to process images for analysis. Thusit also includes how to implement various Image enhanment and Image segmentation techniques using Open CV.

Computer vision has transformed the way we pursue digital image processing. Hence, Machine Learning is included in the course. The most effective machine learning techniques (Linear and Logistic Regression, SVM, Decision Tree, Random forest, KNN and K-means algorithms), Deep Learning (CNN) are included and students will gain practice by implementing them using scikit-learn, tensorflow, and keras python modules.

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

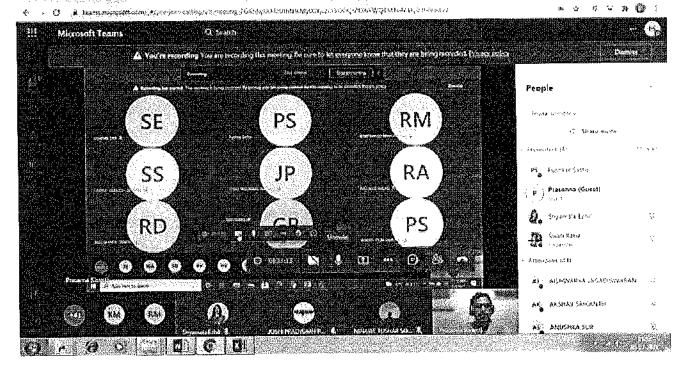




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#### 2. Attendance report

### SIES Graduate School of Technology Department of Electronics & Telecommunication Engineering

#### SDP on Machine Learning and Image Processing (June 2021)

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		Rodvíka Choudhary	TE	A	EXTC	Р	P	Р	P	P	Ρ	P	Р	Р	9	P
		Akanksha Gourh	BE	Ä	EXTC	P	Р	_ P	P	Р	P	P	P	Þ	P	P
		Gowda Sangita Vishwanath	TE	A	EXTC	Р	Р	ρ	ρ	Р	P	P	Р	Ρ	ρ	P
		Katyayani kulkarni	TE	A	EXTC	Р	P	Þ	Ρ	P	٤	P	P	P	₽	Ρ
		Rohan Anil More	TE	8	EXTC	þ	Р	Р	Ь	P	P	ρ	P	Р	Ρ	P
		Ritika Swarup Nair	TE	В	EXTC	P	P	P	P	ρ	P	P	Р	Р Р	P	P
	8A2074	Akanksha Nakati	TE	8	EXTC	P	P	Р	P	P	AB	Р	р	P	<u> P</u>	Р
	8A2075	Pandaram Parvati Krishnan	BE	В	EXTC	Р	Р	Р	P	Р	P	P	P	P	Þ	
	8A2078	Sneha Parne	BE	В	EXTC	P	P	P	Р	Р	ρ	Р	P	р	P	P
	8A2084	Abhilash Vasudeva Poojary	BE	В	EXTC	P	Р	P	Р	P	P	Р	P	Р	P	P
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	8A2086	Aditi Rao	BE	В	EXTC	P	P	P	P	P	Р	P	P	P	P	P
	8A2088		TE	В	EXEC	P	Р.	P	P	Р	Р	P	P	Þ	P	P
	8A2089	Akanksh Rao		8	EXTC		P	P	P	P	P	P	P	P	Р	Р
	SA2091	Sandargiri Nitesh Sanjeev Kun	BE	8	EXTC	P	P	P	P	P	Р	Р	P	P	Р	Р
	BA2092	Saronlily Thangara	BE	8	EXTC	P	P	P	P	<u>P</u>	Р	P	P	9	P	P
	18AZ093	Satish Kumar siyaraman		8	EXTC	P	P	P	P	P	P	P	P	P	Р	P
	L8AZ094	Siddhesh Santosh Sawant	TE	<del></del>	EXTC	P	P	9	P	P	P	P	P	P	P	Þ
	18A2096	Pooja Sharma	38			P	P	P	P	P	P	Р	P	AB	P	Р
	18A2101	Aditya Kumar Singh	TE	B	EXTC	P	P	P	P	P	P	P	P	P	P	P
$\overline{}$	18A2106	Vikrant Singh	BE	B	EXTC	l P	P	P	P	Р	P	P	p	P	P	Р
	18A3004	Alshwarya Jagadiswaran	BE	-	IT		P P	P	9	P	P	- P	P	P	P	P
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31 1	19A2007	Anusha Ganapathy	SE	A	EXTC	P	P	P	9	P .		- r	P	P	P	, ,
32 1	19A2008	ANUSHKA SUR	SE	A		P	p	P	р	P	P	P	P	P -	P	<del>                                     </del>
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#### Responses:

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#### 3. Feedback (Analysis)

Students feedback on the SDP about contents, understanding of concepts, content delivery, given project was taken and analysed. All students gave feedback in the range of good to excellent.

Few sample comments about the SDP by the students:

- 1. Content was good.
- 2. Highly informative
- 3. Sessions were great.
- 4. Excellently topic covered in short span of time
- 5. The content was systematic and useful, solving proper assignment helps a lot.

#### Also students gave suggestions like

- 1. The industry experts should also conduct hands-on sessions instead of theoretical type session.
- 2. Needed to learn more basics of ML
- 3. Programming language basics could have been covered a little in depth. Introduction to libraries and functions could have eben done in lesser time since we can read the document and forums related to it and most the function are similar in working and syntax. Hands on training by industry professionals would be much appreciated during the duration of SDP.

#### Impact Analysis:

In 3 weeks SDP cum Internship on 'Machine Learning and Image Processing using Python' basics of Python, Image processing using Open CV along with machine learning algorithms were learnt by students through sessions, assignments, exercises. All the students successfully completed projects and gave presentations.

Module wise quiz was conducted. Quantitative analysis for the same is as given below.

Sr.No.	Module Name	% of students Scoring 60% and above marks
MODULE-1	Basics of Python	92.5%
MODULE-2	Image Processing using OpenCV	85.2%
MODULE-3	Machine learning algorithms	88.9%

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CR No. EXTC: 227

OF APPRECIATION

This is to certify that

Harshal Dhake of SE EXTC

has successfully completed 3 weeks Internship on

ML and IP using Python

conducted by Dept. of Electronics and Telecommunication, SIESGST

from 21st June to 10th July, 2021

Prof. Pushkar Sathe COURSE CO-ORDINATOR DR. PREETI HEMMANI HOD, EXTC DEPT.

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2020-2021



# South Indian Education Society's GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai. DEPARTMENT OF COMPUTER ENGINEERING

#### Value added course on Data Science (June 28-July 3, 2021) Click here to register

Data science is an interdisciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from structured and unstructured data, and apply knowledge and actionable insights from data across a broad range of application domains.

#### **Duration of Course: 48 Hrs**

#### **About Instructors:**

This course will be taught by a team of various eminent programming experts from Industry and SIESGST faculty members of Computer Engineering Department.

#### Various Industry Experts from Data Science and Deep Learning Domain:

1. Shadab BNY Mellon- (Founder of Quantum Computing India and a full-stack Data Scientist)

#### **Faculty Members:**

- 1. Dr. Varsha Patil (Assistant Professor)
- 2. Prof. Anindita Khade (Assistant Professor)

#### Course Objectives:

The objective of this course is to explore the Data science concepts with more hands on practice, and analyze data using different Machine Learning, Deep Learning and Natural Language Processing models.

#### Course Outcomes:

At the end of the course Students will be able to

- 1. Understand and Implement Machine Learning models
- 2. Understand Deep Learning text mining and analytical techniques
- 3. Use various Deep Learning Libraries
- 4. Build Deep Learning Models
- 5. Implement various NLP techniques

#### **Course Content:**

Prerequisite:

1. Basic knowledge of python.

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Module	Content	Duration
1.	Machine Learning Models: In this module you will learn to	8Hrs
	implement Simple Linear Regression, Multiple linear Regression,	
	Logistic Regression, Clustering	
2.	Introduction to DL: In this module you will learn basic concepts	8 Hrs
	Deep Learning Nerul Network component, Multilayer perception	
3.	Deep Learning Libraries: In this module you will learn basics of	8 Hrs
	python Deep Learning Libraries and how to use them.	
4.	<b>Deep Learning Networks:</b> In this module you will learn to	8 Hrs
	implement CNN, RNN models with the help of TF Learn and Keras	
	Libraries	
5.	Quantum Machine Learning	8 Hrs
	Introduction to Quantum-enhanced ML, Quantum information processing,	
	Quantum Linear algebra.	
6.	Natural Language Processing In this module you will learn basics of	8 Hrs
	NLP, NLTK toolkit for NLP, Lexical Ambiguity at syntactic and semantic	
	level	

#### Assessment:

1. Module wise assignments and quizzes should be completed by students.

**Internship**: Project Based Internship after successful completion of the course will be offered to the participants.

Course Coordinators: Dr. Varsha Patil

varshap@sies.edu.in

9768287595

Prof. Anindita Khade aninditak@sies.edu.in

9769843248



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#### Day wise Schedule

Day	Topics	Faculty	Timings
1	Machine Learning Models: In this module you will learn to implement Simple Linear Regression, Multiple linear Regression, Logistic Regression, Clustering	Prof. Anindita Khade	9:30-4:30
2	Introduction to DL: In this module you will learn basic concepts Deep Learning Nerul Network component, Multilayer perception	Mr.Shadab Hussain	9:30-4:30
3	Deep Learning Libraries: In this module you will learn basics of python Deep Learning Libraries and how to use them.	Mr.Shadab Hussain	9:30-4:30
4	Deep Learning Networks: In this module you will learn to implement CNN, RNN models with the help of TF Learn and Keras Libraries	Mr.Shadab Hussain	9:30-4:30
5	Quantum Machine Learning Introduction to Quantum-enhanced ML, Quantum information processing, Quantum Linear algebra.	Mr.Shadab Hussain	9:30-4:30
6	Natural Language Processing In this module you will learn basics of NLP, NLTK toolkit for NLP, Lexical Ambiguity at syntactic and semantic level	Dr.Varsha Patil	9:30-4:30



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Sr no	Name	Mail id	RollN o	Bra nch	Cla ss	Certificate No
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1	VIGHNESH MUDALIAR	es.edu.in	096	CE	TE	2021/DS/01
1	VIGHIVESTI WODALIAN	arthapce219@gst.sies.e	219A1			CE/2021-22/SH
2	ARTHA PILLAI	du.in	100	CE	BE	2021/DS/02
2	SWAPNIL	swapnilvextc118@gst.si	118A2	EXT	G. 18 1	CE/2021-22/SH
3	VISHWAKARMA	es.edu.in	116	С	BE	2021/DS/03
3	VISHWAKAKIWA	abdullahmce119@gst.si	119A1			CE/2021-22/SH
4	ABDULLAH MAPARI	es.edu.in	042	CE	TE	2021/DS/04
4	ADDULLARI IVIAFARI	saumyakit119@gst.sies.	119A3			CE/2021-22/SH
5	SAUMYA KAMATH	edu.in	028	IT	TE	2021/DS/05
5	SAUIVITA KAIVIATTI	prathameshgce119@gst	119A1			CE/2021-22/SH
_	PRATHAMESH GAWAS	.sies.edu.in	024	CE	TE	2021/DS/06
6	PRATHAMESH GAWAS	srivaricce119@gst.sies.e	119A1			CE/2021-22/SH
_	CDIVADI CHETTIVAD	du.in	017	CE	TE	2021/DS/07
7	SRIVARI CHETTIYAR	dhruvmit117@gst.sies.e	117A3		And Park	CE/2021-22/SH
•	DUDUNAAAAAAAAAAAAAAAAA	du.in	008	IT	TE	2021/DS/08
8	DHRUV MANOJKUMAR	sneharce119@gst.sies.e	119A1			CE/2021-22/SH
7.20			082	CE	TE	2021/DS/09
9	SNEHA RANA	du.in	118A2	EXT	12	CE/2021-22/SH
		vikrantsextc118@gst.sie	106	C	BE	2021/DS/10
10	VIKRANT SINGH	s.edu.in		EXT	DL	CE/2021-22/SH
	VAISHNAVI	vaishnavisextc118@gst.	118A2 114	C	BE	2021/DS/11
11	SREEKUMAR	sies.edu.in		C	DL	CE/2021-22/SH
		karthikice118@gst.sies.	118A1	CE	TE	2021/DS/12
12	KARTHIK IYER	edu.in	027	CE	IE	CE/2021-22/SH
		abiramsce118@gst.sies.	118A1	65	DE	2021/DS/13
13	ABIRAM SUDHAKAR	edu.in	002	CE	BE	
		vedantbce119@gst.sies.	119A1	0.5		CE/2021-22/SH 2021/DS/14
14	VEDANT BHAMARE	edu.in	014	CE	TE	
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		sampritcce119@gst.sies			Tost T	CE/2021-22/SH
17	SAMPRIT CHAURASIYA	.edu.in	016	CE	TE	2021/DS/17
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18	ISHITA PAUL	du.in	061	CE	BE	2021/DS/18
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19	KUNAL LOTLIKAR	edu.in	053	С	BE	2021/DS/19
		gaurikce119@gst.sies.e	119A1			CE/2021-22/SH
20	Gauri K	du.in	032	CE	TE	2021/DS/20
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21	POURNAMI POTTEKAT	es.edu.in	058	CE	TE	
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22	GAURI THUBE	u.in	052	IT	TE	
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23	SIDDHARTH JADHAV	es.edu.in	080	CE	TE	
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-5	SHYAMSUNDER T N	shyamsundertce119@g	119A1	THE LAW		CE/2021-22/SH
27	SUBRAMANIAM	st.sies.edu.in	078	CE	TE	2021/DS/27
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28	SUBRAMANIAN	edu.in	076	CE	BE	2021/DS/28
		shreyamce118@gst.sies	118A1			CE/2021-22/SH
29	SHREYA MUKHERJEE	.edu.in	083	CE	BE	2021/DS/29
		rahuulrce118@gst.sies.	118A1	i de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional de la companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della companional della comp		CE/2021-22/SH
30	RAHUUL RANGARAJ	edu.in	066	CE	BE	2021/DS/30
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35	SNEHAL JADHAV	du.in	084	CE	TE	2021/DS/35
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36	ANIRUDDHA PATIL	ies.edu.in	056	CE	TE	2021/DS/36
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43	ADITYA PAGARE	du.in	036	IT	110	CE/2021-22/SH
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44	SWARANJALI JADHAV	s.edu.in	049	11	IE	CE/2021-22/SH
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47	AJAY SHINDE	du.in			10	CE/2021-22/SH
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48	KOMAL SINGH	du.in		200	10	CE/2021-22/SH
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49	JAIRAJ MAHADEV	du.in	029	CE	110	2021/03/43

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52	PANKAJAKSHAN	du.in	087	CE	TE	2021/DS/52
	SWAPNENDU	swapnendumextc119@	119A2	EXT	Termy!	CE/2021-22/SH
53	MUKHERJEE	gst.sies.edu.in	044	С	TE	2021/DS/53
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54	VAIBHAV SINGH	es.edu.in	105	С	TE	2021/DS/54
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50	SHINOTHILLAR	nitikamextc118@gst.sie	118A2	EXT		CE/2021-22/SH
59	NITIKA MHATRE	s.edu.in	061	C	BE	2021/DS/59
59	NITIKA WITATKE	prathameshtextc118@g	118A2	EXT		CE/2021-22/SH
<b>C</b> O	DDATHANAECH THAVIID	st.sies.edu.in	110/12	C	BE	2021/DS/60
60	PRATHAMESH THAKUR	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	118A2	EXT		CE/2021-22/SH
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61	ADITI YADAV	edu.in	119A1	C	1.0	CE/2021-22/SH
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62	VIGHNESH MUDALIAR	es.edu.in	096		IL	CE/2021-22/SH
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63	GAGANPREET PADDA	st.sies.edu.in	022	C	BE	2021/DS/63
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67	KARTHIK IYER	edu.in	027	CE	TE	2021/DS/67
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68	ASHWIN NAIR	edu.in	031	IT	BE	2021/DS/68
00		manishjit118@gst.sies.e	118A3			CE/2021-22/SH
69	MANISH JADHAV	du.in	021	IT	BE	2021/DS/69
05	WANTER	parthbit119@gst.sies.ed	119A3	1001	E TO S	CE/2021-22/SH
70	PARTH BADVE	u.in	037	IT	TE	2021/DS/70
70	S ANANTHASELVI	ananthaselvisit118@gst	118A3	_		CE/2021-22/SH
71	SHANKARAN	.sies.edu.in	046	IT	TE	2021/DS/71
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72	MICHAEL	es.edu.in	118A3		12	CE/2021-22/SH
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73	MALVIKA SELVAN	edu.in	052	IT	IE	CE/2021-22/SH
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74	MEGHA NADAR	edu.in	050	CE	TE	2021/05/74



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Wine Quality analysis using Logistic regression

Predicting the quality of wine mainly through logistic regression

Wine quality was classified into two categories good(0) and bad(1)

Day 2

Different Classification Model (PyCaret)

Display prediction, confidence interval and plot for top two models

https://pycaret.org/classification/

Day 3

- Load a new dataset and train model
- Streamlit app for image classification

Day 5

- Correct the naming convention of the plots
- Make the directory structure for logging models for all the stocks and make sure it doesn't get overwritten

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

## Department of Computer Engineering Event Report

#### **Data Science**

(29/06/2021 to 07/07/2021)

#### **Event Information**

Event Type: Value added Program

Event title: Data Science

Resource Person: Mr. SM Shadab, Senior Analyst - Risk management at BNY Mellon, Prof. Anindita

Khade SIESGST, Dr. Varsha Patil, SIESGST

Event date: 29/06/2021 to 07/07/2021

Organized for: TE and BE Students

Organized by: Prof. Anindita Khade

Target audience (branch & nos.): TE and BE students, 113 members

POs/PSOs mapping: PSO1,PSO2,PO12

Attachments: 1. Photographs (in JPEG/PNG)

2. Attendance report

3. Feedback



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#### **Event Description**

The department of Computer Engineering of SIES Graduate School of Technology, Nerul, Navi Mumbai successfully organized an SDP on "Data Science" from 29th June 2021 to 7th July 2021. Industry expert for the session was Mr. SM Shadab, Senior Analyst - Risk management at BNY Mellon. He is the founder of Quantum Computing India and is a full-stack Data Scientist. He has been the resource person for the two-month long FDP conducted by ISTE in collaboration with BNY Mellon. Faculty members involved were Prof. Anindita Khade and Dr. Varsha Patil.

The objective of this 48-hour long course was to explore the concepts of Data science, paying more attention to hands-on practice, and to analyze data using different ML, Deep Learning, Quantum Computing and NLP models. The course aimed to accomplish the following outcomes:

- 1. Understand and Implement Machine Learning models
- 2. Understand Deep Learning text mining and analytical techniques
- 3. Understand Quantum Computing and Explainable AI
- 4. Use various Deep Learning Libraries
- 5. Build Deep Learning Models
- 6. Implement various NLP techniques

The session was 6 days long. The first day covered various Machine Learning Models like Simple Linear Regression, Multiple linear Regression, Logistic Regression, Clustering and was taught by Prof. Anindita Khade. The next four days were taught by Mr. SM Shadab, where he taught important concepts like Introduction to DL: Nerul Network component, Multilayer perception, Deep Learning Libraries and how to use them, how to implement CNN, RNN models with the help of TF Learn and Keras Libraries and Quantum Machine Learning Introduction to Quantum-enhanced ML, Quantum information processing, Quantum Linear algebra. The final day was concluded with lectures by Dr. Varsha Patil where she covered Natural Language Processing including basics of NLP, NLTK toolkit for NLP, Lexical Ambiguity at syntactic and semantic level.

Students were given programming assignments daily to judge their understanding of the concepts. The top 23 students with the best performance and attendance were selected for a project based internship of 15 days thereafter.

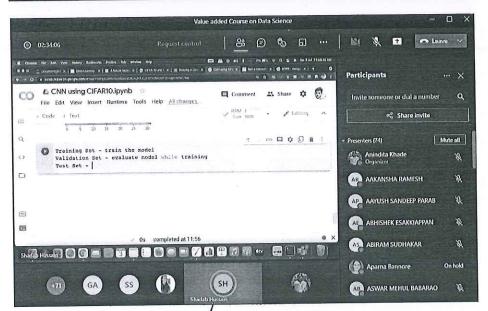


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#### 1. Photographs (in JPEG/PNG)

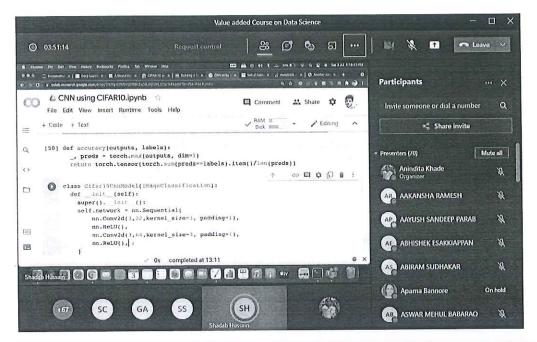


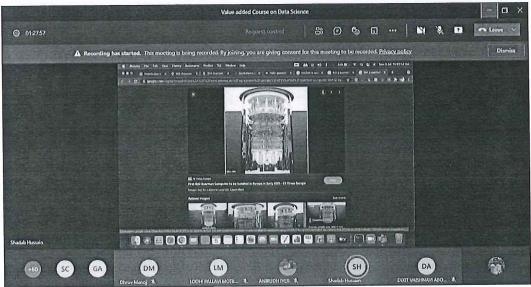






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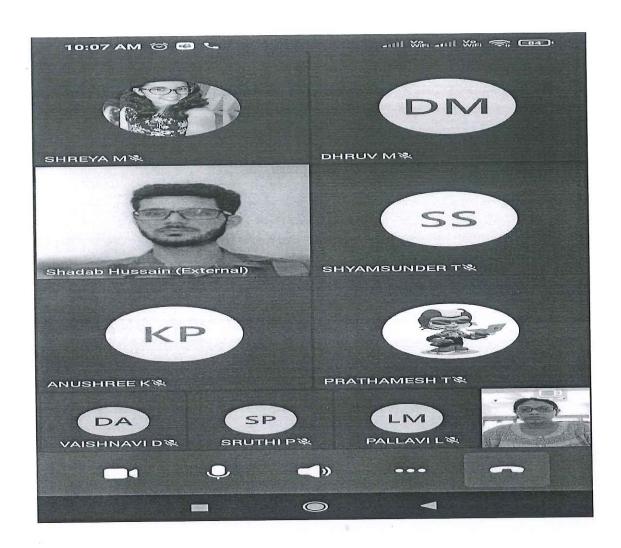








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#### 2. Attendance report (Scanned copy)

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31		6-29-21 14:57:51 siddharthice119@gst.sie SIDDHARTH JADHAV	Siddharth Jadhav	jadhavsiddharth19@sies; 119A1080	CE	TE
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33		6-29-21 14:57:53 aakansharit 119@gst.sies AAXANSHA RAMESH	Aakansha Ramesh	aakansharit119@gst.sies 119A3001	п	TE
34		6-29-21 14:57:53 navinmme118@gst.sies.(NAVIN MOHAN	NAVIN MOHAN	navinmme118@gst.sies. 118A6034	ME	BE
35		6-29-21 14:57:54 sumitbextc117@gst.sies. SUMIT BHANSE	Sumit Bhanse	Sumitbhanse7@gmail.co 117A2013	EXTC	BE
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38		6-29-21 14:57:58 shreyamce118@gst.sies. SHREYA MUKHERJEE	Shreya Mukherjee	shreyamce118@gst.sies. 118A1083	CE	BE
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43			SHARAN MURLI	sharanmce117@gst.sies.117A1073	CE	BE
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#### 3. FeedbackReport (Scanned copy)

#### a) Feedback of Industry expert

5.	Were the topics explained by	the industry experi	able to boost	your knowledge in the field of
	Data Science?(5 is highest)			

More Details

52 Responses

4.27

Average Number

Was the expert able to solve your queries?(5 is highest)

More Details

P Insights

52 Responses 4.27

Average Number

 Were the materials provided by the expert sufficient for your understanding of concepts?(5 is highest)

More Details

52

Responses

4.17

Average Number

8. Was the hands on experience provided during the session helpful in enhancement of your knowledge and skills?(5 is highest)

Mare Det∋ils

52

Responses

52

Responses

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Average Number

9. Name any one topic in which you would like to work as a part of project

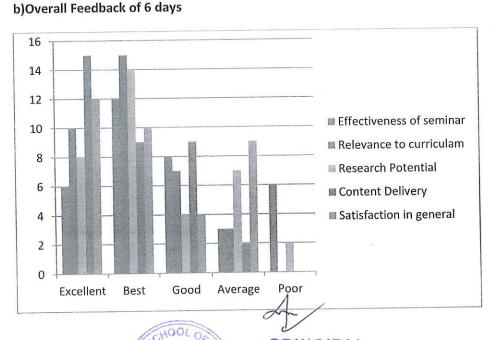
1 Insights

Latest Responses

.CNN.

"Machine Learning"

"NLP



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#### **Impact Analysis:**

Most students successfully completed the quizzes and assignments given to them. Almost all the students submitted the assignments on time. The program saw a good attendance overall. At the end of the course students were able to understand and implement ML models, deep learning, text mining and analytical techniques. Students could successfully use various deep learning libraries and could also implement various NLP techniques. The program received good feedback. Overall impact was good.



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OF COMPLETION

This is to certify that

Ajay Shinde

has successfully completed the "Value added course on Data Science" from 29th June to 7th July, 2021 held at SIES Graduate School of Technology.

Prof. Anindita Khade SDP Coordinator Dr. Aparna Bannore HOD Computer Dept. Dr. Atul Kemkar Principal



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# SIES Graduate School of Technology Department of Computer Engineering Organizing Student Development Program and Internship Mobile & Web App Development 21 June–26 June, 2021 10.00 AM to 5.00 PM

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

#### Objectives:

This Mobile & Web App Development course is without a doubt the most comprehensive course will be taught in Virtual Online platform. Even if student has zero programming experience, this course will take you from beginner to Intermediate.

#### **Course Contents:**

Day 1: Getting Started with Javascript: variables & strings, numbers, arrays, loops, functions, objects, Client side scripting such as form validations.

Day 2: Intermediate Php: Basic programming constructs, Arrays, functions, GET POST methods, Server side scripting, Basics of Database, Handling MYSQL Database using SQL Queries, PHP - Server Side Scripting, MYSQL Database Connectivity

Day 3 & 4: Fluter: Setting up Flutter, Introducing Widgets, Common Widgets in Flutter and Navigation, Handling User Input, User Interface, Flutter with Firebase.

Day 5 & 6: Node JS: Introduction and Foundation, Node Projects, Working with asynchronous programming, Building HTTP server with Node.js using HTTP APIs., Buffers, Streams, Events, Multiprocessing in Node JS.

Students will be developing Mobile & Web App using above technologies.

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

Highlight: Day 6 will be covered by Industry Expert.

Course Fees: No fees for SIES students, 500 for outside SIES.

Certification: Internship Certificate will be provided after completion of COURSE.

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**Internship:**At the end of 6 days program participants will undergo 15 days internship covering developing secure Mobile & web app, solution for various organizations (For ex: Bank Sector/Medical Sector/Insurance/IT Sector).

#### Outcome:

Students will be able to design App and Host it on server.

Students will be able to make Dynamic App using Node JS & Php

#### Contact for Registration:

Prof. Sunil K Punjabi: Email-id: sunilp@sies.edu.in Mo: 8898528620



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# Day wise Schedule



Date	Day 1 (28/06/2021)	Day 2 (29/06/2021)	Day 3 (30/06/2021)	Day 4 (01/07/2021)	Day 4 (01/07/2021) Day 5 (02/07/2021)	Day 6 (03/07/2021)
Resource person	Mr. Sunil K Punjabi	Ms. Masooda Modak	Ms. Jyoti Tryambake	Ms. Masooda & Ms. Jyoti	Mr. Sunil K Punjabi	Mr. Nilesh Dalvi
Timo	10.00 am - 1.00 nm	10.00 am - 1.00 pm	10.00 am - 1.00 pm	10.00 am - 1.00 pm	10.00 am - 1.00 pm	10.00 am - 1.00 pm
	Introduction to Java script: variables & strings, numbers, arrays, loops, Hands on session		Introduction to flutter: Setting up Flutter, Introducing Widgets, Common Widgets in Flutter and Navigation,	Flutter: Handling User Input, User Interface, Flutter with Firebase	Introduction to Node JS: Introduction and Foundation, Node JS Installation, Node JS Basics, Node JS NPM, Build Restful APIs with Node JS	Node JS with MongoDB, Node JS Projects, Working with asynchronous programming, Buffers, Streams, Events, Multiprocessing in Node JS.
Doto	Dav 1 (28/06/2021)	Day 2 (29/06/2021)	Day 3 (30/06/2021)	Day 4 (01/07/2021)	Day 5 (02/07/2021)	Day 6 (03/07/2021)
Resource person	Mr. Sunil K Punjabi	Ms. Masooda Modak	Ms. Jyoti Tryambake	Ms. Masooda & Ms. Jyoti	Mr. Sunil K Punjabi	Mr. Nilesh Dalvi
Time	2.00 pm - 5.00 pm	2.00 pm - 5.00 pm	2.00 pm - 5.00 pm	2.00 pm - 5.00 pm	2.00 pm - 5.00 pm	2.00 pm - 5.00 pm
	functions, objects, Client side scripting such as form validations Hands on session	Basics of Database, Handling MYSQL Database using SQL Queries, PHP - Server Side Scripting, MYSQL Database Connectivity	Hands on session using flutter	Hands on session using flutter	Hands on session using Node JS	Hands on session using Node JS
	Quiz	Quiz	Quiz	Quiz	Quiz	Quiz

SDP RANGE & Mobile App Development S.1.E.S. GRADUATE SCHOOL OF TECHNOLOGY Sri Chandrasekarendra Saraswathy Vidyapuram Sector V, Nerul, Navi Mumbai - 400706



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

# Department of Computer Engineering <u>Event Report</u>

#### Title of event: Student Development Program

Web and Mobile App Technology

#### **Event Information**

Event Type: Workshop followed by internship

Event title: Web and Mobile App Technology

Resource Person: Prof. Sunil, Prof. Masooda, Ms. Jyoti, Mr. Nilesh

Event date: From: June 27, 2021

**To**: July 3, 2021

Organized for: All Students

Organized by: Sunil K Punjabi, CE Department

Target audience (branch & nos.): CE/IT/ME/EXTC

Attachments: 1. Photographs (in JPEG/PNG)

2. Attendance report

3. Feedback



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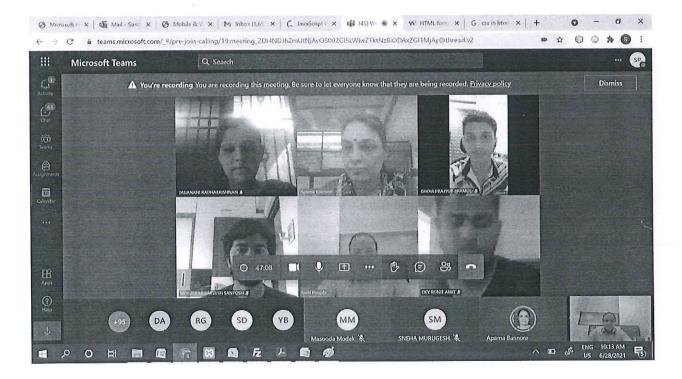
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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY
Sri Chandrasekarendra Saraswathy Vidyapuram
Sector=V, Nerul, Navi Mumbai=400706

#### **Event Description**

CE department faculties have conducted six days student development program followed by internship, "Web & Mobile App Development". Program was conducted by Prof. Sunil K Punjabi, Prof. Masooda Modak, Ms. Jyoti and Mr. Nilesh.

Objective of the workshop was to bridge the gap between industry requirements and academic. 58 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 similar technologies.

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



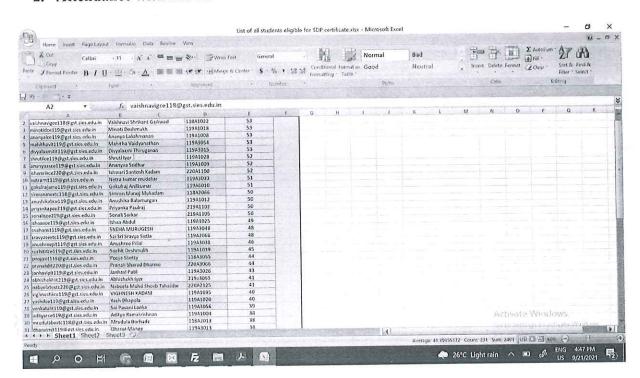


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Sector=V, Nerul, Navi Mumbai=400706



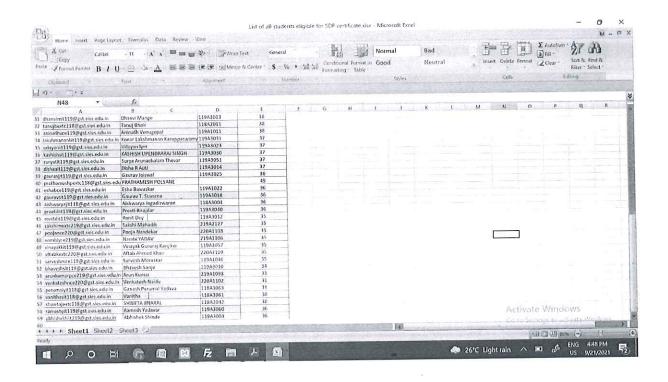
#### 2. Attendance with marks



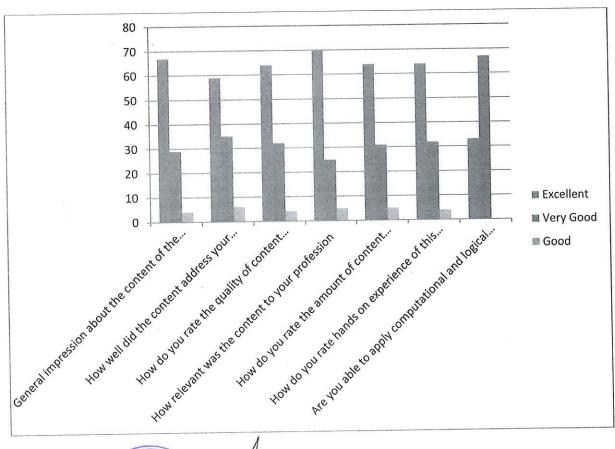


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Sri Chandrasekarendra Saraswathy Vidyapuram
Sector-V, Nerul, Navi Mumbai-400706



## 3. FeedbackReport (Scanned copy)



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#### **Impact Analysis:**

- The session was very informative and students acquired the knowledge about Current trends in HMI.
- Students gained from this exposure to incorporate an entrepreneurial spirit and also familiar with the presents cenario of industry with respect to the HMI Subjects.
- Total of 70 students from BE CE attended the session.





# **CERTIFICATE**

Of Completion

This Is To Certify That

#### Esha Bavaskar

Has successfully completed the "Value Added Course On Web & Mobile Development" from 28th June to 3th July, 2021 followed by 15 days Internship held at SIES Graduate School of Technology. During Internship he/she has successfully completed Project title - Food Recipe App

Pins

Prof. Sunil Panjabi SDP Coordinator U.F.

Dr. Aparna Bannore HOD Computer Dept Jan Ca

Dr. Atul Kemkar Principal



of

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# 2019-2020



of





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 Blockcahin
- 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.pampattiwar@siesgst.ac.in, 9819370257



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#### 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	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 Cryptocurre ncy 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 explaination Prototype explaination,Cre ating new Transaction,	Ethereum component s, features ,Wallets, Transaction s, Public & Private keys	



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Sri Chandrasekarendra Saraswati Vidyapuram Sector 5, Nerul, Navimumbai-400706

Assignment/	Case Study	Quiz on	Design of	Generate hash	Implement	
Activity	of Bitcoin	cryptography	Smart	when nonce is	ation of	
oversami EVEXXIII	and	basics	Contracts	7890	Blockchain	
	Blockchain			Current block	using	
				data having two	Ethereum,	
				transactions	creating	
				George sent	wallet,	
				Jacob 345666	writing	
				Shyam sent ram	transaction,	
				34123	mining and	
				Take previous	generating	
				block hash as	crypto	
				"23986yasjdasu	currency	
				dyr326gyajsd"		
				Generate hash		
				value by		
				changing atleast		
				one string in		
				any of above		
				value.	-	
Time	1:30 pm to 5	1:30 pm to 5	1:30 pm to	1:30 pm to 5 pm	1:30 pm to	
E 1511.1.70	pm	pm	5 pm		5 pm	
	Components	Cryptographic	Deploying	Adding hash	Projects	
	of	Hash function,	Smart	block,Creatingan	topics to be	
	blockchain,	Hash Chain,	Contracts,	d Testing proof	selected for	
	Types of	Merkle Tree,	Using	of work,	Internship	
	blockchain	Digital	Metamask	Adding nonce	after	
	and	signature,	for transfer	and mining the	discussion	
	applications,		of ethers	transaction,Crea	with All	
	Blockchain	Cryptocurrenc		ting Genesis	Trainers	
	Structure,	y using hash,		block		
	How	chain and				
	Blockchain	digital				
	Works,	signature.				
	Smart					
	Contracts,					
	Various					
	implementat			H.	2.	
	ion tools.		100			



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Sri Chandrasekarendra Saraswati Vidyapuram Sector 5, Nerul, Navimumbai-400706

Activity r Cc cr bl	perledge Demo of SHA256 and other cryptographi ockchain etwork for asiness oplication Demo of SHA256 and other cryptographi ockchain ockchain ockchain 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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### **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.KalyaniPampattiwar, 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



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Sri Chandrasekarendra Saraswati Vidyapuram Sector 5, Nerul, Navimumbai-400706

#### **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 Markeley 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.



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Sri Chandrasekarendra Saraswati Vidyapuram Sector 5, Nerul, Navimumbai-400706

# 1. Photographs (in JPEG/PNG):





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Sri Chandrasekarendra Saraswati Vidyapuram Sector <sub>5</sub> , Nerul , Navimumbai-400706



# 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		SE CE D	Anandteertha Ramesh Rao	Р	Р	Р	Р	Р	Р
2	117A3038	TE-IT	Avantika Pawar	р	Р	Р	Р	р	Р
3		TE EXTC A	Harsh Agrawal	р	р	р	Р	Р	Р
4		TE-CE-C	Kini Jagdish	р	Р	Р	р	р	р
5	117A3012	TE-IT	Nandhitha lyer	Р	Р	Р	Р	р	р
6	117A3035		Nithya Kannan	Р	р	Р	Р	Р	Р
7	118A2054		Pallavi Lodhi	Р	Р	Р	Р	Р	P
8	117A3043		praveena viswarajan	Р	р	Р	Р	р	р
9	117A3026	100000-00000	Rahul marathervar	Р	Р	Р	Р	Р	P
10	118A1074	SE CE D	sant kedar	Р	Р	Р	Р	Р	P
11	118A2049		Sumaiya Khan	Р	Р	р	Р	Р	Р
12	118A1059	III DEVENING BUILDING	Girish Parulkar	Р	Р	Р	р	Р	р
13	118A3055		Pooja Shetty	р	р	р	р	р	р



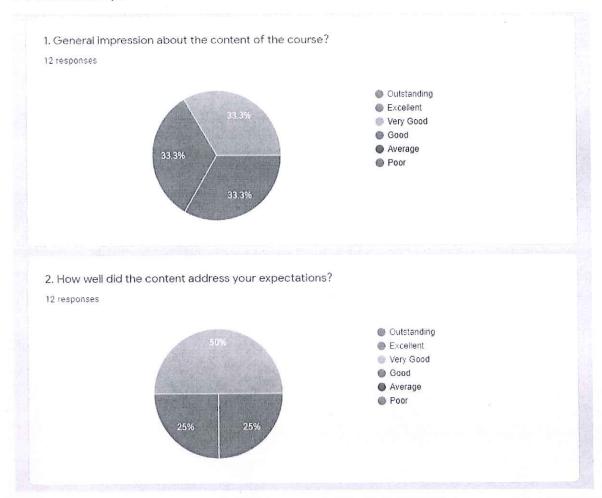
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Sri Chandrasekarendra Saraswati Vidyapuram Sector 5, Nerul, Navimumbai-400706

#### 3. Feedback Analysis

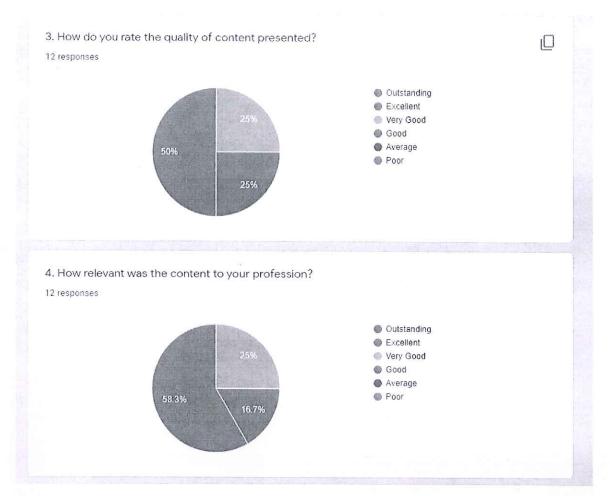




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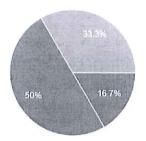






Sri Chandrasekarendra Saraswati Vidyapuram Sector 5, Nerul, Navimumbai-400706

5. How do you rate the amount of content presented? 12 responses



Outstanding

Excellent

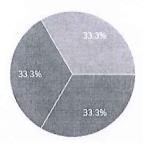
Very GoodGood

Average

Poor

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

12 responses



Outstanding

Excellent

Very GoodGood

Average

Poor

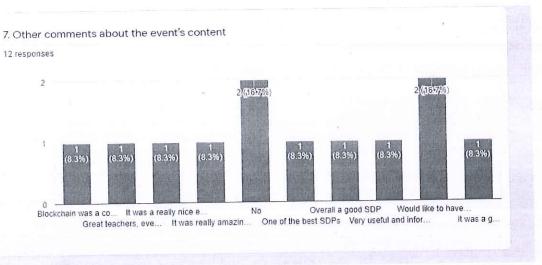


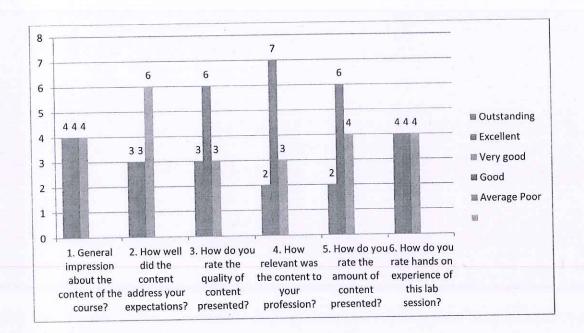
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#### 4. Impact Analysis:

- 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.



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# CERTIFICATE



CR No: CE/FH2020/BC01

## OF COMPLETION

THIS IS TO CERTIFY THAT

Mr./Ms. \_\_\_\_\_

Harsh Agarwal

has successfully completed the course on "Blockchain Technology"

and fiteen days internship from 15th June to 30th June, 2020 held at SIES Graduate School of Technology. During internship he/she has successfully completed project titled \_\_\_\_\_\_ Transparency to charity donation

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DR. RIZWANA SHAIKH SDP COORDINATOR.

DR. APARNA BANNORE HEAD, CE DEPT,

DR. ATUL KEMKAR PRINCIPAL SIES GST.



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#### Department of Computer Engineering



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

2019, From Dec 16-21

#### 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 andmitigating 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

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- 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

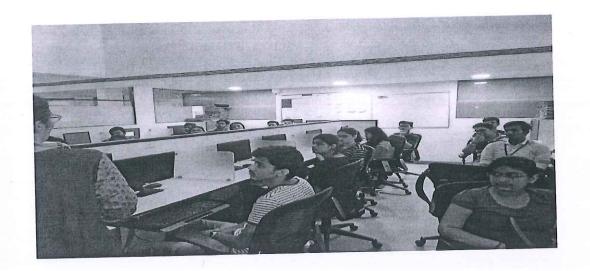
#### Feedback:

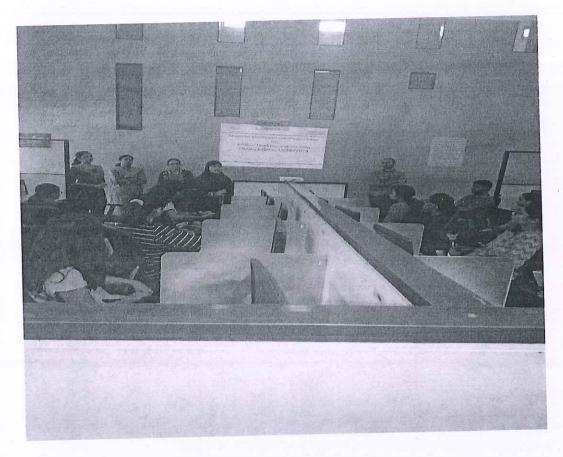
The training program received good response from resource persons and attendees. All participants received the program very well and implement in their professional career.

Photos of the Event:

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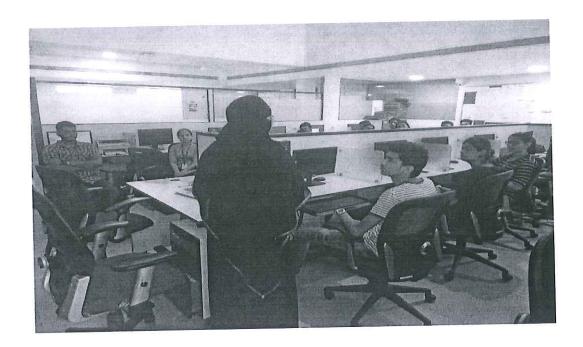
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#### **Impact Analysis**

- 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.



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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 9th Legend 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.SuvarnaChaure: 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/Subne tting) KNP	CISCO topology built up SKP	Static routing SKP	quiz
Day 2 17/12/2019	Dynamic Routing, Switching Basic configuration of Layer 2 manageable switch UNR	Switching UNR	D-Link Basic configuration of manageable switch SKP		Quiz
Day 3 18/12/2019	Introduction to security Ethical hacking Aparna Bannore	Initial Commands demonstation and handson 1)Dig 2)whois 3)traceroute 4)ifconfig	Sniffing using wireshark Tcpdump +Assignment on sniffing Suvarna VChaure	Assignment on sniffing SVC	
Day4 19/12/2019	Kali linux installation Backtrack Metasploit AMB	Exploting winxp system	Virus, steganography KNP	Key logger Lab work KNP	
Day5 20/12/2019	SQL injection UNR	SQL map UNR	Vulnerability assessment using Nesses 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, Nerul, Navi Mumbai.

Center of excellence: e-Security

# Student Development Program

Name of the Course: Ethical Hacking and Security

Course Date: June 10-15 2019

Timing: 9.30 AM to 5.00 PM

Venue: Art Gallery

Date: 10/06/2019

	Name	Morning Session	Afternoon
Sr.		Signature	Session
No			Signature
1	NIRMIT RAJESH SAWAI	Romit-	Dirnit
2	Shruti Azhagu Mani	Shrahi	Shruhi
3	Shreya Mukherjee	Shreug	Shreye
4	Aditi jajoo	(M)	(od.
5	Shlok Vivek Naik	05h.h	Shele
6	Nadar Vijay	Lan	Myan.
7	Anirudh Belwadi	Mai	Din.
8	DARSHAN CHANDULAL PATEL	Darsham.	Darsha w
9	Aditi Rao	Pron.	Rn
10	Nishant Gharat	Mal.	No.
11	Afhan Ashfaque Mulla	-APhe	Ah.
12	Vaishnavi Mukku	Wire L.	Bish.
13	Atharva Surve	Shush	Su-
14	Alhaan mohideen	M.	Au.
15	C R Abubakkar Wasim	aub.	Aun.
16	Ruchi Bheke	(4)B	ONB.
17	Shaikh nifa Kausar	MiR	Mile.
18	Dv karthikeyan	D.V.K	D.V-K
19	Shreya Pramod	Em	John
20	Shreya Mukherjee	(Bh	(Mh.
21	Aakriti Sharma	Acar	Ae -



of

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	Q
02	John the Ripper (Kali Linux)	Shaikh Nifa Damian Pillai	Suvarna C	Src
03	Demonstration of Burp Suite	Aditya Borude Sakshi Mahadik	Suvarna C	8vc
04	Keyloggers (windows OS)	Deepthi S Thrishapriya S	Kalyani P	K-92-
05	Metasploit: for hacking windows XP system using Kali linux	Sonali Sarkar		14.9

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of

		Priyanka Paulraj	Aparna B	
06	Steganography on image using kali linux	Vineet Anant Iyer Vignesh Mudaliar	Kalyani P	15.2.
07	Steganography using windows Os using Openstego	Artha Pillai Sachi Patankar	Kalyani P	150
08	Web vulnerability scanner :netSparkar	Nambi Yadav Arun Kumar Pandi	Ujwala R	Vjù.
09.	Network miner	Vishak Kodethur Tushant Gokhe	Suvarna C	EVC

#### **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



Also I

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:



S

9th Legend





CR No CE/

# 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

MUMBAI





Organizing

Student Development Program and Internship

#### 6 days Hands-on Training on Ethical Hacking and Security

22<sup>nd</sup>/06/20 to 27/06/20 10.00 AM to 5.00 PM



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

#### Objectives:

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

#### Course Contents:

- Introduction to Ethical hacking
- Network sniffing and spoofing tools
- Server Side Hacking Tools., Client Side Hacking Tools: BACKTRACK
- Web application Exploitation tools- Metasploit
- Virus and Steganography.
- ☐ Password cracking tools.
- □ SQL Injection attack and Firewall security.

Who Should Attend: FE/SE/Diploma Students interested in pursuing careers in security.

Course Fee: No Charges

Certificate: In collaboration with 9th Legend Inc.

Internship: At the end of 6 days program participants will undergo 15 days internship covering identification of security threats and developing the security solution.

#### Outcomes:

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

tester.

Contact for Registration: Aparna Bannore: bannore.aparna@siesgst.ac.in,

9920809635 Prof. Suvarna Chaure; suvarna. kendre@siesgst.ac.in, 9769455405



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: 22/06/2020

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



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#### **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 22<sup>nd</sup>-27<sup>th</sup> July, 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)

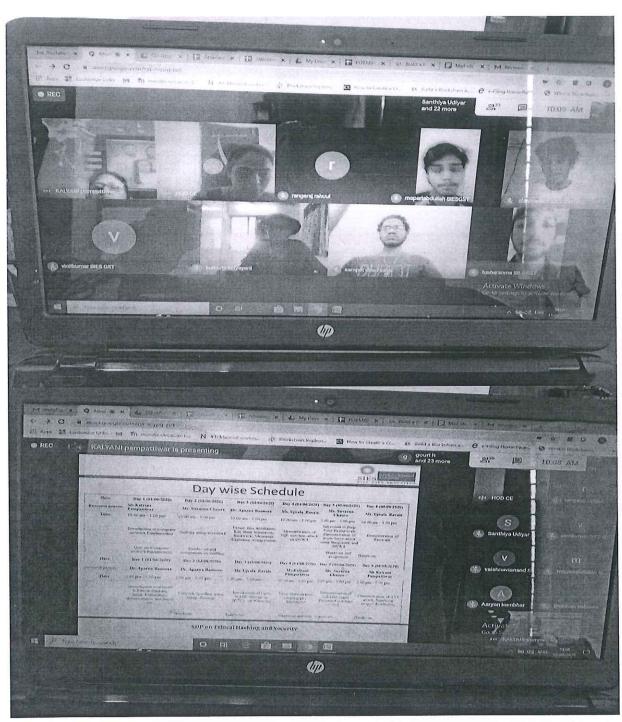
Project5: Web vulnerability scanner :netSparkar

Project6: SQLmap using Kali Linux

Project 7: Open WASP projects

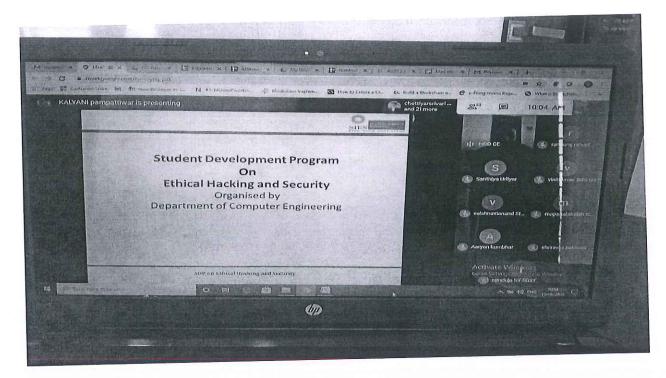
#### Feedback:

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





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#### 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

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Tushar Ninawe	FE-B
Vaishnavi Anandakrishnan	FE-D
Pournima Thakare	FE-D
Srivari Chettiyar	FE-C
Abdullah Kadar Mapari	FE-C
Aaryan Kumbhar	FE-A
Anagha upparna	FE-B
Shrinivas Baldawa	FE-E
Aditya Pagare	FE-E
Nikhil Sabe	SE-D
Sangeeth Arun	SE-D
Tanvi Pathare	FE-D
Konar Lakshmanan	FE-E
Mendon Manas	FE-E
Gour H	SE-EXTC
Deshpande Ninad	SE-EXTC
Pallavi Lodhi	SE-EXTC
Atharva Zadbuke	SE-EXTC
Kulkarni Katiyayani	SE-EXTC
Vinit Kumar	FE-D
	Vaishnavi Anandakrishnan Pournima Thakare Srivari Chettiyar Abdullah Kadar Mapari Aaryan Kumbhar Anagha upparna Shrinivas Baldawa Aditya Pagare Nikhil Sabe Sangeeth Arun Tanvi Pathare Konar Lakshmanan Mendon Manas Gour H Deshpande Ninad Pallavi Lodhi Atharva Zadbuke Kulkarni Katiyayani

## **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.





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# **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.
- 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



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,	Activity		
Day 1	Introduction and preliminaries System requirement Installation and Understanding R Environment Packages and libraries Basics of R programming		
16/12/2019	Variables and operators  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> <li>CSV, Text, Binary, Excel, XML</li> <li>Statistical analysis with R</li> <li>Measure of central tendency         Mean, median, mode     </li> <li>Variance, Skewness, Kurtosis</li> <li>Probability Distribution</li> </ul>		
Day 2 17/12/2019	Visualization with ggplot  Exporting graph Advance plot customization  Visualization with ggplot Exporting graph Advance plot customization		
Day 5 18/12/2019	Linear Regression with R  Covariance and correlation and its significance Purpose Regression Analysis Regression model with lm in R  Multiple - Linear Regression with R Type of Multiple Regression Residual Analysis Multi - Collinear Regression		
Day 6 19/12/2019	Logistic Regression with R  Generalized Linear Model (glm) Residual Analysis  Types of Logistic Regression with R Type of Logistic Regression Analysis Applications of Logistic Regression Analysis Estimating the Regression coefficient		
Day 3 20/12/2019	<ul> <li>Database connectivity in R</li> <li>Creating Tables in MySql</li> <li>Dropping Tables in MySql</li> <li>Inserting Data into the Tables</li> <li>Retrieving data using R</li> </ul>		
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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Alpesh Anil Patil

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roshani.patil216@siesgst.ac.in
varun.tadpatri16@siesgst.ac.in
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saini.gurinder17@siesgst.ac.in
pavithra.yadavar16@siesgst.ac.in
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APURVA SAI
<apurva.sai16@siesgst.ac.in>
pranav.shreemun16@siesgst.ac.in



of



## 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



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#### **Event Description**

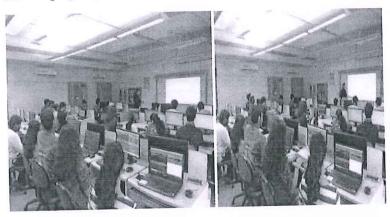
CE department faculties have conducted six days student development program followed by internship, "R programming". Program was conducted by Prof. Prachi Shahane, Prof. Pranita Mahajan, Prof. Masooda Modak, Dr. Varsha Patil and Prof. Anindita Khade.

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.

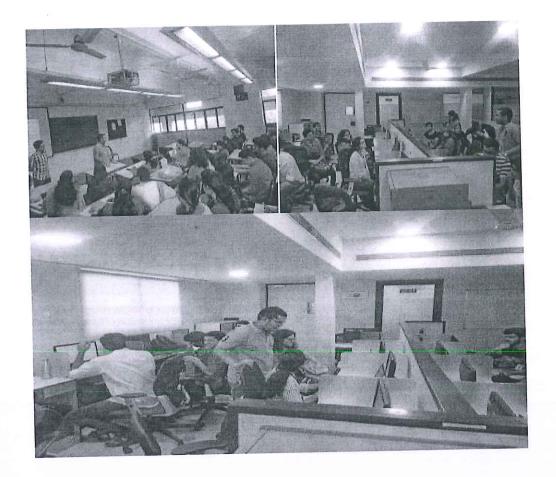
Certificates were given to students on successful completion and presentation of developed applications. Feedback was collected and overall feedback shows students were satisfied with content and requested to conduct future SDPs on Data mining and Deep Learning.

## 1. Photographs (in JPEG/PNG):

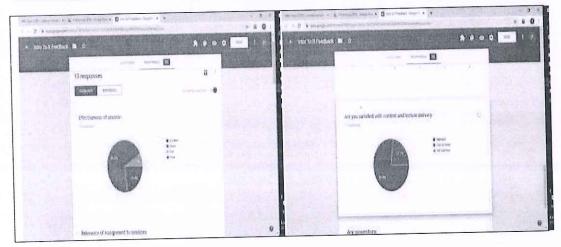




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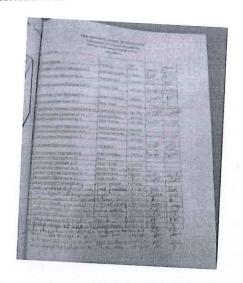
# 2. Attendance and Feedback Report (Scanned copy):

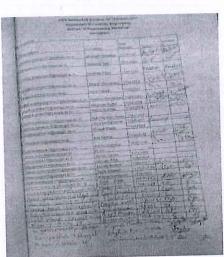


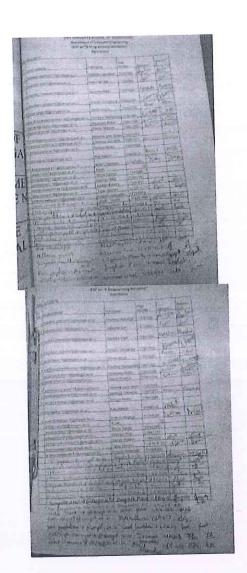




#### Attendance:







## 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**



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

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.



of

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



A







# 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



PRINCIPAL







#### **Event Description**

Computer Department of SIES GST organized and conducted a student development program on Web designing Technologies from 4<sup>th</sup> December 2019 to 19<sup>th</sup> 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):



of









2. Attendance and Feedback Report (Scanned copy):



of

PRINCIPAL
S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY
Sri Chandrasekarendra Saraswathy Vidyapuram
Sector-V, Nerul, Navi Mumbai-400706







Attendance report for(SDP)		
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Feedback Analysis from Google Form



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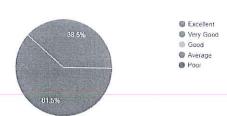






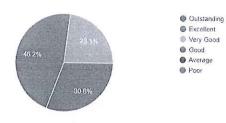
## 1. General impression about the content of the course? \*

13 responses



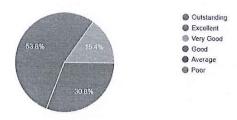
#### 2. How well did the content address your expectations? \*

13 responses



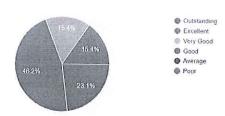
#### 3. How do you rate the quality of content presented? \*

13 responses



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

13 responses





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

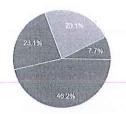






## 5. How do you rate the amount of content presented? \*

13 responses



- Outstanding
   Excellent
   Very Good
- @ Good
- AveragePoor

## 6. How do you rate hands on experience of this lab session? $^{\star}$

13 responses



- Outstanding
- Excellent
- Very Good
- Good Average
- Averag
  Poor



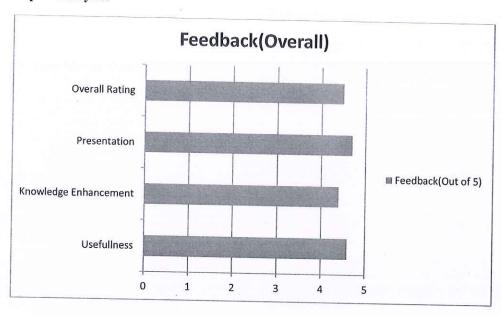
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## Impact Analysis:





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## Certificate





of

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S.I.E.S. GRADUATE SCHOOL OF TECHNOLOGY

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



## **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

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 <u>Pranita.mahajan@siesgst.ac.in</u> 9920188940

#### Note:

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



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#### Day wise Schedule of Workshop

Day	Activity
Day I	Introduction with trends, applications, terminology and preliminaries  System requirement Installation and Understanding R Environment  Packages and libraries
22/6/2020	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 2	Linear Regression
Day 3 24/6/2020	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, R2 coefficient determination, Coefficient of determination (R2) and Adjusted R2
	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
	<b>Decision Tree</b> 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
1	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



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PRINCIPAL

## **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.

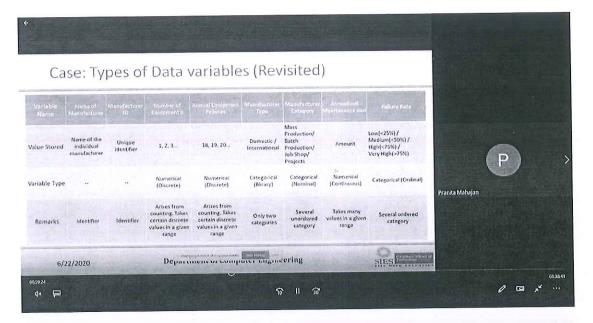
Students completed their projects during online internship by SIESGST and presented their work to CE department faculties.

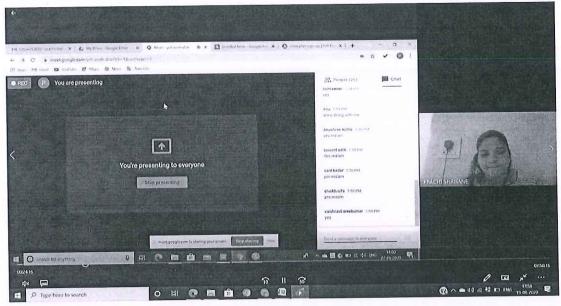
Certificates were given to students on successful completion and presentation of developed applications. Feedback was collected and overall feedback shows students were satisfied with content and requested to conduct future SDPs on Deep Learning.

## 1. Photographs (in JPEG/PNG):



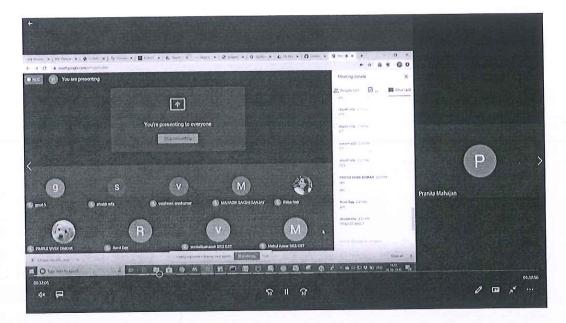
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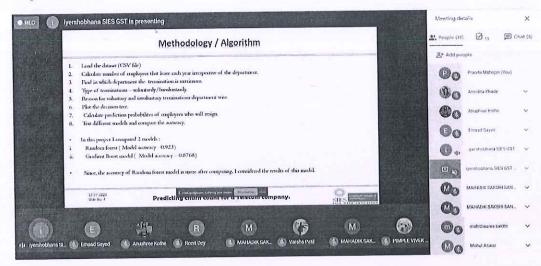




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#### **Project Presentation**

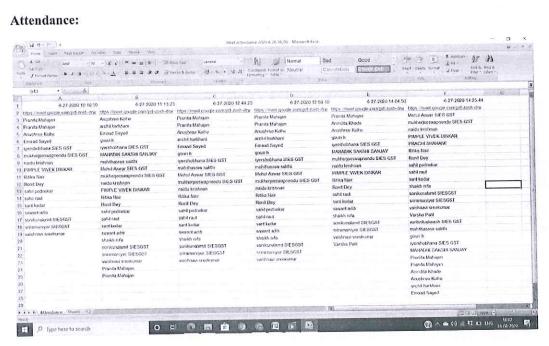




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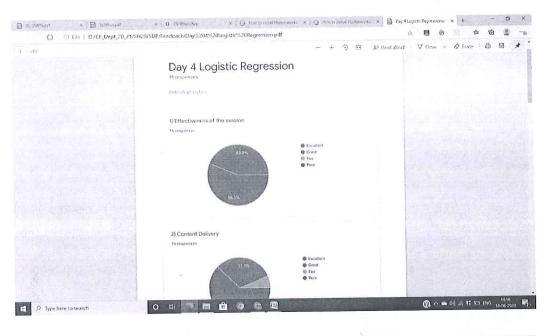
## 2. Attendance and Feedback Report (Scanned copy):

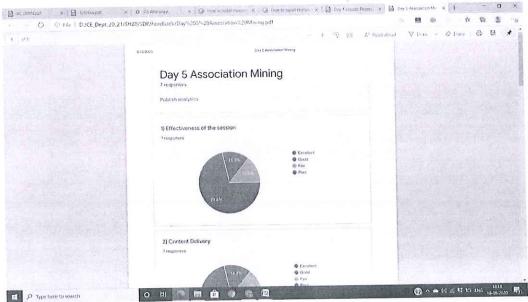




#### Feedback analysis

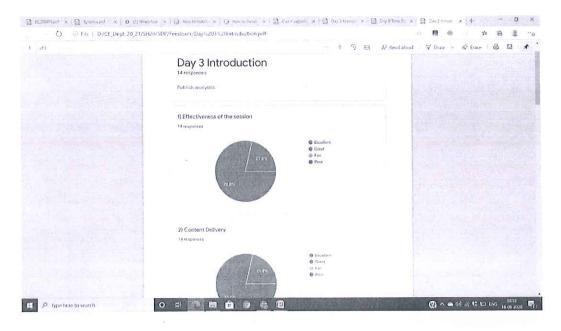
Feedback was collected and overall feedback shows students were satisfied with content and requested to conduct future SDPs on Deep Learning.

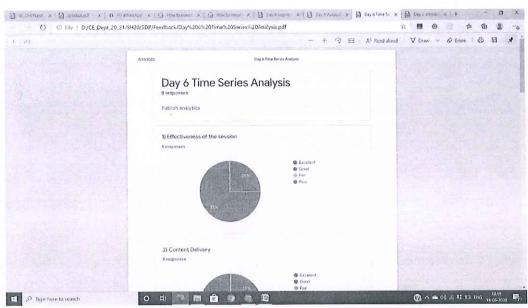






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**Impact Analysis** 



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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.



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## 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. DEFT

Dr. Atul Kemkar

I/C PRINCIPAL SIESIGST







## 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**



of

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

EK 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. Praujali Thakre	Prof. Pranita Mahajau	Prof.Pranita Mahajan, Prof. Pranjali thakre	Prof. Prachi Shahaue	Dr. Rajesh Kadu
Time					
10:00 to 1:00	Adavanced 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 or 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: Stu	dent Development Program (SDP)
Event Title: Adv	anced C
Resource Person Thakre	: Dr. Rajesh Kadu, Prof. Prachi Shahane, Prof. Pranita Mahajan, Prof. Pranjali
Event Date: 22 J	une – 26 June 2020
Organized for: A	All students (FE,SE,TE)
Organized by: S	IES GST Computer Dept
Target Audience	(Branch & Nos.): Undergraduate Students from all branches total 45 students



Attachments: 1. Photographs (JPEG/PNG)

2. Attendance Report3. 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.

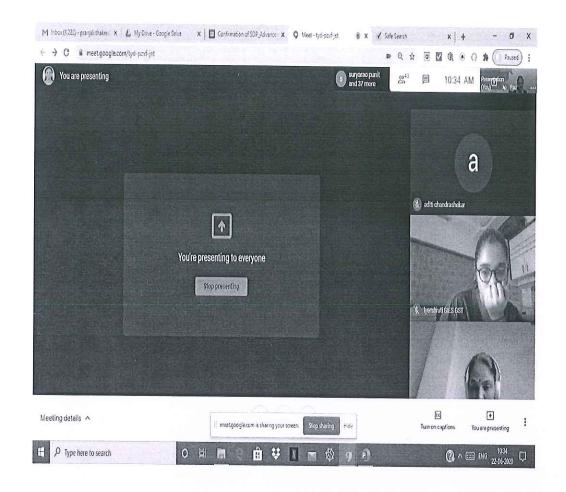
The SDP sessions are conducted by computer department faculties. They taught Advanced C in which they have covered advanced data type, type qualifiers, macros, code lite and gcc compiler environment, File handling, pointer, double pointer, void pointer, function pointer, data structure in C. Students 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.



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#### 1. Photographs (in JPEG/PNG):





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#### 2. Attendance and Feedback Report (Scanned copy):

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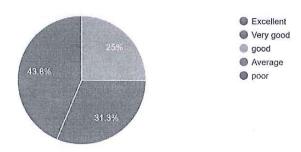
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          // String Initialization
          char a[]
                    = "Hi 1234, "
                   " Welcome to SDP";
          identify_alpha_numeric(a);
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prajyot bhoir: yes
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iyershruti SIES GST: done
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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]);
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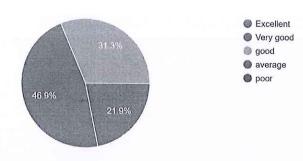
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#### Feedback Analysis from Google Form

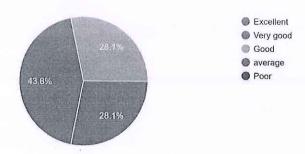
1. General Impression about the content of the course ?  $_{\rm 32\,responses}$ 



2. How well did the content address your expectation? 32 responses



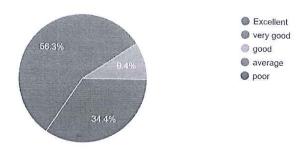
3. How do you rate the quality of content presented?  $^{32}$  responses



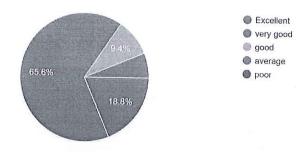


8

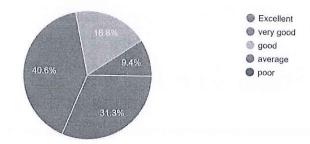
4. How relevant was the content to your profession? 32 responses



5. How do you rate the amount of content presented? 32 responses



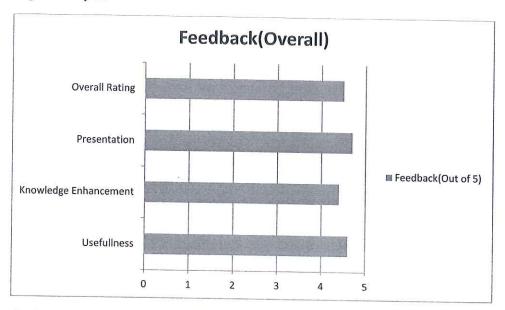
6. How do you rate hands on experience of this lab session? 32 responses





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### Impact Analysis:



#### Student List

S.N	Name	Roll No	Div	Year
1	Aakansha Ramesh	119A3001	E	FE
2	Swaranjali Jadhav	119A3049	Е	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	С	FE
8	Shruti Iyer	119A1028	С	FE
9	Ananya .L	119A1008	С	FE
10	Ananyaa .S	119A1009	С	FE
11	Samprit Chaurasiya	119A1016	С	FE
12	Anand Borkar	119A1015	С	FE
13	Prathamesh Gawas	119A1024	С	FE
14	Prasad Kulkarni	117A2052	Α	TE
15	Suyash karwande	117A2049	Α	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



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20	Nidhish Vyas	119A3058	E	FE
21	Prajyot Bhoir	119A3011	E	FE
22	Sahil Shinde	119A3047	E	FE
23	Esha Bawaskar	119A1022	С	FE
24	Ishita Bhargava	119A1026	С	FE
25	Karthik Iyer	119A1027	С	FE
26	Sagar Mane	118A2059	А	SE
27	Shruti Iyer	119A3022	E	FE
28	Anushka Tawte	119A1090	С	FE
29	Rishi Gharat	119A1063	С	FE
30	Vikrant Singh	118A2106	В	SE
31	Vaibhav Singh	118A2105	В	SE
32	Soham Sheth	118A3054	E	SE
33	Saarabi Parkar	118A3034	E	SE
34	Pavitra Venkatraman	118A3036	E	SE
35	Harsh Goyal	118A1025	С	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	В	SE
41	Nitika Mhatre	118A2061	В	SE
42	Abhilash Poojary	118A2084	В	SE.

## Internship Project

S.N	Name	Roll No	Div	Year	Project idea	
1	Aakansha Ramesh	119A3001	E	FE		
2	Swaranjali Jadhav	119A3049	Ε	FE		Prof. Pranjali Thakre
3	Gauri Thube	119A3052	E	FE	quiz related to corona virus	1 Total Y Tanjan Triance
4	Rutujeet Falmare	119A1065	D	FE		
5	Esakkiappan Thevar	119A1092	D	FE		Prof. Prachi shahane
6	Vignesh Kadam	119A1095	D	FE	Movie ticket booking	resili sitaliano
7	Minoti Deshmukh	119A1018	С	FE		
8	Shruti Iyer	119A1028	С	FE		
9	Ananya .L	119A1008	С	FE		Prof. Prachi shahane
10	Ananyaa .S	119A1009	С	FE	Scientific calculator	3,550,510,10
11	Samprit Chaurasiya	119A1016	С	FE		
12	Anand Borkar	119A1015	С	FE		Prof.Pranjali Thakre
13	Prathamesh Gawas	119A1024	С	FE	E-Restaurant	
14	Prasad Kulkarni	117A2052	Α	TE		
15	Suyash karwande	117A2049	Α	TE	Snake Game	Prof. Prachi shahane
16	Pournima Thakare	119A1059	D	FE		- I I I I I I I I I I I I I I I I I I I
17	Vaishnavi Anandakrishnan	119A1094	D	FE		
18	Sneha Shaji	119A1083	D	FE		Dr. Rajesh Kadu
19	Megha Nadar	119A1050	D	FE	Pandemic Data Handling	

2	0 Nidhish Vyas	119A3058	E	FE		
2	1 Prajyot Bhoir	119A3011	E	FE	-	
22	2 Sahil Shinde	119A3047	E	FE	Dk D	Prof. pranita Mahajan
23	B Esha Bawaskar	119A1022	C	FE	Phone Book Application	
24	Ishita Bhargava	119A1026	C	FE	-	
25	Karthik lyer	119A1027	C	FE	- Library	Prof. pranita Mahajan
26	Sagar Mane	118A2059	A	SE	Library management	
27	Shruti Iyer	119A3022	E	FE	Wage Calculator	Dr. Rajesh Kadu
28	Anushka Tawte	119A1090	C	FE	-	
29	Rishi Gharat	119A1063	C	FE	Hanne	Prof. pranita Mahajan
30	Vikrant Singh	118A2106	В	SE	Hangman game	
31	Vaibhav Singh	118A2105	В	SE		Prof. Prachi shahane
32	Soham Sheth	118A3054	E	SE	Employee Management System	
33	Saarabi Parkar	118A3034	E	SE		
34	Pavitra Venkatraman	118A3036	E	SE	٦,	Prof. Pranjali Thakre
35	Harsh Goyal	118A1025	C	SE	Inventory management	
36	Abhishek Singh	119A3004	E	FE	Student Management System	Prof. pranita Mahajan
	Disha Auti	119A3014	E	FE	Colondar A. E.	
38	Atharva Vaidya	118A1091	D	SF	Calendar Application	Dr. Rajesh Kadu
39	shiva iyer	118A6013	F	SE	Dielia	
		1 3410	1	OL	Dictionary using trees	Prof. Pranjali Thakre
40	Punit Suryarao	118A2107	В	SE	· · ·	-
	Nitika Mhatre	118A2061	В	SE		
42	Abhilash Poojary	118A2084	В	SE.	sudoku solver	Prof. Pranjali Thakre



# **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 fiteen 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

Brhakes

MS. PRANJALI THAKRE SDP COORDINATOR. MA

DR. APARNA BANNORE HEAD, CE DEPT, DR. ATUL KEMKAR PRINCIPAL SIES GST.

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## 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

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



ay	Activity Tables Images Forms
	Getting Started with HTML: Lists, Paragraphs, text styling, Tables, Images,Forms,
	Audio and Video Controls Physical and Logical Tags , HTML 5 tags
Day 1	Introduction to CSS: Internal, external CSS, element ,id, Class Selectors, Fonts , Color
Day 1 8/6/2020	, Background and Borders.
Day 2	Intermediate CSS: Padding, Margins, Rows and Columns, Box Model Advanced CSS:
9/6/2020	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
	Javascript: variables & strings, numbers, arrays, loops, functions, objects,
Day 3 10/6/2020	Javascript: variables & strings, numbers, arrays, 100ps, ramentals,
	Client side scripting such as form validations.
	BOOTSTRAP
Day 4	Basic Set up of Bootstrap- Understanding Bootstrap Components, Working with
11/6/2020	Grid System
	and the same data with
	1. Creating a Login portal using Bootstrap. 2.Displaying the same data with different templates, Use a Bootstrap modal
	Github
	Github Repository Git Basics, How Version controls, Local and Remote Repositories
Day 5	
12/6/2020	
The Control of the St. St. St. St. St. St. St. St. St. St.	PHP Basics
	PHP: Basic programming constructs, Arrays, functions, GET POST methods, Serve
	side scripting
	MYSQL
	MYSOL Database Basics and SQL queries
	PHP - Server Side Scripting , MYSQL Database Connectivity
Day 6 13/6/2020	Project Discussion – Website Development



of





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

### **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 22<sup>nd</sup> June 2020 to 29<sup>th</sup> 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. The have also been taught advanced web technologies like Bootstrap, Github repositorie 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.

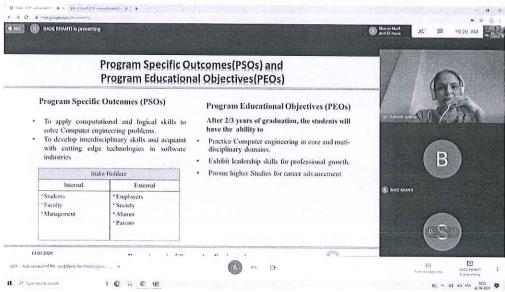


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#### 1. Photographs (in JPEG/PNG):







of





#### 2. Attendance and Feedback Report:

Sr. No	Name	Roll no	Branch	Division
1	Ria Sharma	117A3051	IT	E
2	Dhanvi Mange	119A3013	IT	Е
3	Divyalaxmi Thiruganan	119A3015	IT	Е
4	Madhuri Ramakrishnan	119A3032	IT	Е
5	Mahitha Vaidyanathan	119A3054	IT	Е
6	Shweta Pai	219A3069	IT	Е
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	С





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	В
20	Shubham Rane	117A2082	EXTC	В
21	Akashsai Rajaram	118A1005	CE	С
22	Nikhitha Jayaprakash	118A1058	CE	D
23	Mahalakshmi Thevar	118A1088	CE	D
24	Sharan Murli	117A1073	CE	D
25	Poorva Chaudhary	118A2014	EXTC	А
26				
	Divya Kamila	118A2018	EXTC	Α
27	Vaishnavi Mantri	118A3025	IT	E
28	Malvika Selvan	118A3052	IT	Е
29	Melvina Michael	118A3027	IT	Е
30	Anushika Bala	119A1012	CE	С
31	Aakanksha Bhatt	119A1001	CE	С
32	Rahuul Rangaraj	118A1066	CE	D
33	Santhiya Udiyar	118A1090	CE	D
34	Atharva Surve	118A1086	CE	D
35	Lakshmi Suryanarayan	118A1039	CE	С
36	Usha Konar	118A1035	CE	С
37	Sandhiya Kanthakumar	118A1031	CE	С
38	Divhya Gnanasekar	118A1021	CE	С
39	Shrinidhi iyengar	119A3020	IT	Е
40	Kaushik shridhar	119A1036	CE	С
41	Shinit shetty	119A1076	CE	D



of

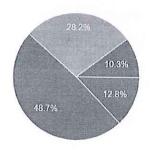


42	Kunal soni	119A1038	CE	С
43	shaikh Mohammed Usama	119A1072	CE	D
44	Dhruv R Suvarna	119A2015	EXTC	А
45	Darshan Sonawane	119A2012	EXTC	А
46	Niraj Devale	119A2051	EXTC	А
47	Aftab Mansoori	118A3024	IT	Е
48	Anirudh Belwadi	118A1012	CE	С
49	Ashwath Nambiar	118A3033	IT	E
50	Ashwin Nair	118A3031	IT	E
51	Rohit 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



1. Outstanding

2. Excellent

3. Very Good

4. Good

5. Average

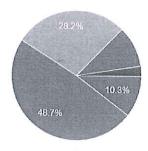


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## 2. How well did the content address your expectations?

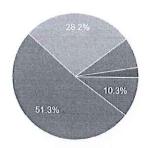
39 responses



- 1. Outstanding
- 2. Excellent
- 3. Very Good
- 4. Good
- 5. Average

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

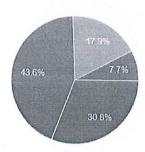
39 responses



- 1. Outstanding
- 2. Excellent
- 3. Very Good
- 4. Good
- 5. Average

4. How relevant was the content to your profession?

39 responses



- 1. Outstanding
- 2. Excellent
- 3. Very good
- 4. Good
- 5. Average

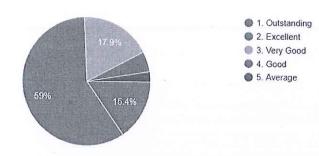


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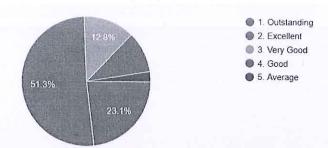
### 5. How do you rate the amount of content presented?

39 responses



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

39 responses

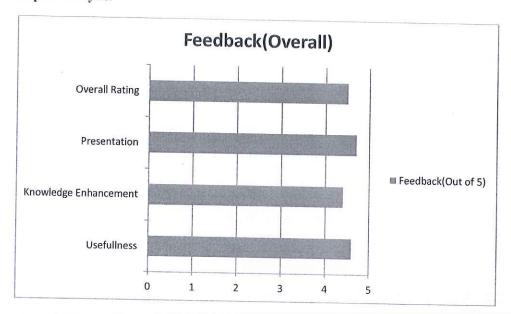




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#### Impact Analysis:





Mr./Ms. Ria Sharma

has successfully completed the course on "Advance HTML and Web Technologies"

and fiteen 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

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MS. NAMRATA PATEL SDP COORDINATOR.

Ms.

DR. APARNA BANNORE HEAD, CE DEPT. 2/OnCa

DR. ATUL KEMKAR PRINCIPAL SIES GST.





## 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:

- To be able to formulate the problem by abstracting the data models, functional models of a given software design problem.
- 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

NERUL NAVI MUMBAI 400 706.

PRINCIPAL

## 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



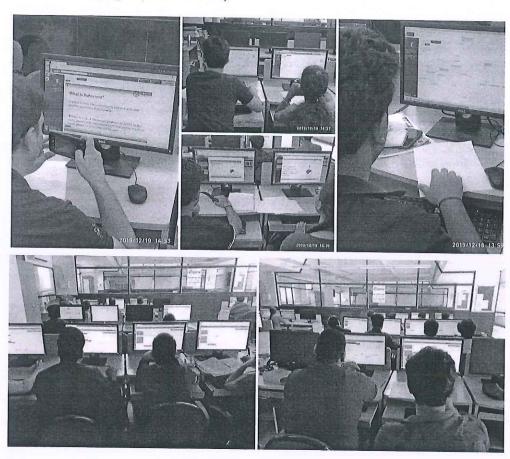
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#### **Event Description**

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):





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#### Introduction

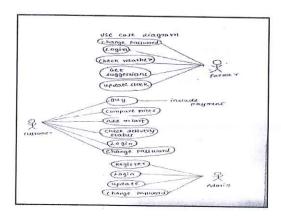
- Abstract-Farming is the Prime Occupation in India in spite of this, today the people involved in farming belongs to the lower class and is in deep poverty. The Advanced techniques and the Automated machines which are leading the world to new helphts, is been lagging when it is concerned to Farming, 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.

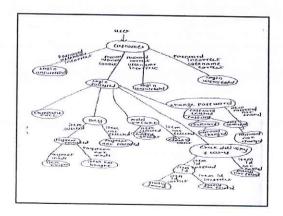
## Why this system is required?

- 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-

N	ame	College	1
Y	ameeni Mahadev Mhaske	Pillai College Of	1
1		Engineering, Panvel	
A	dyasha Rama Chandra Mishra	SIES Graduate School of	
	kayasha Kania Ghandia Mishia	Technology	
c	Sheaves Flevindees Challed	Pillal College Of Engineering	-
	Shreyas Ravindran Challiyil	New Panvel	-
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### Feedback analysis

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### **Impact Analysis**

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

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

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#### 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 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.

### 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 Blockcahin
- 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 plate form

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).

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#### 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.pampattiwar@siesgst.ac.in, 9819370257



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## Day wise schedule

Day	Session1	Session2	Session3	Session 4		
9:30-10:30		10:30-1	2:00-3:30	3:30-5:00		
02/12/2019	Introduction to Blockchain	Bitcoin and Blockchain	Hyperledger fabric Composer	Quiz		
O3/12/2019 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 Block Identifying entities a		Selecting project title for internship			



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## 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

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## 2. Attendance and Feedback Report (Scanned copy):

Attendance report for(SDP)				Signature							
Block Chain Implementation			Date: 2	/12/2019	Date: 3/12/2019		Date: 4/12/2019				
No.	Roll No.	Class	Name	FH-half	SH-half	FH-half	SH-half	FH-half	SH-half		
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5	118A1035	SE C	KONAR USHA VANIAPERUMAL	THE	ans	Mar.	White.	· William	MON.		
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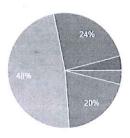


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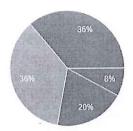
#### **Feedback Analysis**

1. General impression about the content of the course? 25 responses



- Outstanding
- Excellent
- Very Good
- Good
- Average
- Poor

2. How well did the content address your expectations? 25 responses



Outstanding

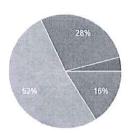
- Excellent
- Very Good
- Good
- Average
- Poor



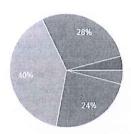




- 3. How do you rate the quality of content presented?
- 25 responses



- Outstanding
- Excellent
- Very Good
- Good
- Average
- Poor
- 4. How relevant was the content to your profession?
- 25 response



- Outstanding
- Excellent
- Wery Good
- Good
- Average
- Poor



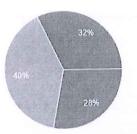
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5. How do you rate the amount of content presented?

25 responses



Outstanding

Excellent

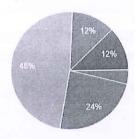
Very Good

GoodAverage

Poor

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

25 responses



Outstanding

Excellent

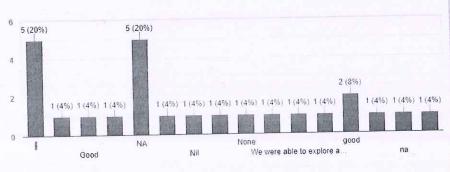
Very Good

GoodAverage

Poor

7. Other comments about the event's content

25 responses

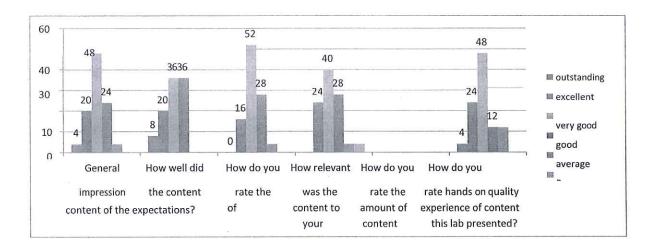




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#### **Impact Analysis:**

- 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.



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9th Legend





## CERTIFICATE

OF COMPLETION

This is to certify that

Mr. Mrs. Phadhan 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 hogistics

DR. RIZWANA SHAIKH COURSE COORDINATOR DR. APARNA BANNORE HOD, CE DEPT. DR. ATUL KEMKAR PRINCIPAL, SIES GST

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## SIES Graduate School of Technology Center of Excellence: e-Security

Organizing
Student Development Program and Internship

5 days Hands on Training on

Network Security and Ethical Hacking Dec 18-22, 2018, 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, Google hacking, Malware and Steganography.

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

Course Fees: SIES GST student Rs.500 / Others Rs.1000

Certification: in collaboration with 9<sup>th</sup> Legend 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: <u>bannore.aparna@siesgst.ac.in</u>, 9920809635 Prof.Suvarna Chaure: <u>suvarna.kendre@siesgst.ac.in</u>, 9769455405



de

## Day wise schedule

Da	Session1	0 0000	Session3	Session 4	feedback
y	9:30-11.00	11:30-1.00	1.45 -	4:00-500	
			3:30		
DA	Introduction	/IP	CISCO	Static routing	quiz
y1	to Computer		topology	SKP	
18/	Network	Subnetting	built up		
12/	(OSI	)			
201	model/TCP	KNP	SKP	-	
8	Model/Devic				
	es at each				
	layer	7/			
	KNP				10.
Da	Routing	Routing	Switching	Switching	Quiz
y 2	Dynamic	PPK	Basic	UNR	
19/	routing(RIP/		configurat		
12/	OSPF/EIGR		ion of		
	P)	-	Layer 2		
	PPK		manageab		
			le switch		
			UNR		
Da	Port Security	2.00	ACL		
y 3	UNR	tree	AMB		
20/		UNR			
12/					
201					
8		T '.' 1	Caiffing	Assignment	
Da	Introduction	Initial	Sniffing	Assignment on sniffing	
y4	to security	Commands	using wireshark	ATTACK WAS	
21/	Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and Cartes and	demonstati	20.00		-
12/		on and	Tcpdump +Assignm		
201	Aparna	handson	TASSIGIII	1	



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8	Bannore	1)Dig 2)who is 3)tracerout e 4)ifconfig	ent on sniffing Suvarna VChaure		
	2	AMB+SV C			
Da y5 22/ 12/ 201 8	Installation of kali linux	Hacking windows system using Kali linux Metasploit /backtrack AMB	Virus, Steganogr aphy, Key logger KNP	Lab work	

Internship project for SDp on Network Sec and Ethical Hacking

Please write your name against selected project

Sr.No	Title of Project	Mentor Name	List of Students	Signature
01	Title: Internet usage control using access control	prof.Sunil K.Panjabi	Shubham Ambavne Devanshi Mehta	
	techniques.	Mail:	Kirti Thakur	
	Report Contents	sunil.punjabi@siesgst .ac.in		
	1. Problem			



D

	2. Network Topology Diagram			
	3. TCP/IP addressing			
	4. Network Design strategy			
	5. Router Configuration			
02	Project idea 3:	Prof.Kalyani P.	Vishodhan krishnan	
	Title: Network design proposal	Mailid	Hitesh naik	
	for Bank	:kalyani.pampattiwar @siesgst.ac.in	Siddheshwar nadar	
		,		
	Report Contents	·		
	Abstract		1	-
	Network requirements			
	Network requirement analysis			
	Hardware and software requirement analysis			· ·
	Additional requirements			
	Features and Services (VLAN, ACL, Static NAT, Failover cluster)			
	Network Topology Diagram			
	Network Topology Diagram Explanation	9		
	IP Network design			
	IP address design		141	
	Network Design and configuration strategy			
	Hardware inventory list.			
- 1				



			T	
3	proposal for airport	Prof.Ujwala Rawale mailid:ujwala.ravale @siesgst.ac.in		
4	Title: Demonstration of SYN flood and DOS attack using hping3	Prof.Ujwala Rawale mailid:ujwala.ravale @siesgst.ac.in	Chandrakala Vasantapuram Shashank Chavan	-
5	Title: Hacking Windows Xp system using Vulnerability of Adobe reader	prof.Aparna Bannore mailid:bannore.aparn a@siesgst.ac.in	Mrunali Pisaal Nikhil Belose Devesh Pendse	
6	Demonstrating password cracking tool from Kali linux (John, John the ripper)	Prof.Suvarna Kendre mailid:suvarna.kendr e@siesgst.ac.in	Mohan Amin Mageshwaran	
7	Title: Network design with multiple VLANs and Single DHCP Server	prof.Priyanka Kadam Mailid :priyanka.kadam@sie sgst.ac.in	Sarvesh Manudhane Sahil Nande Jayadev Sitaraman	
8	Dracnmap is an open source program which is using to exploit the network and gathering information with nmap help.  https://github.com/Screetsec/Dracnmap Solving the issues by modifying		Monika Kadam Jaykumar Phadatare	



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code on github	

1. General

Feedback:

р	Email Address	Name :	impression about the content of the course?	2. How well did the content address your expectations?	3. How do you rate the quality of content presented?
12/22/2018		Kirti thakur	Good	Good	Good
15:00:15	kirtithakur2125@gmail.com	Kirti triakui	0000	0000	) 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
12/22/2018 15:33:29	pendsedevesh@gmail.com	devesh pendse		Excellent	Outstanding
12/22/2018	ambavane.shubham217@siesgst.ac	Shubham Ambavane	Very Good	Excellent	Very Good
15:35:06 12/22/2018	ampavane.snubnamz m @siesgst.ac	Mageshwaran Anbumani			
19:05:48	mageshwaran.mudaliar217@siesgst.ac.in	Mudaliar	Excellent	Excellent	Outstanding
12/22/2018			177 E E 1		V O
20:22:57	mrunali9886@gmail.com	Mrunali Rangaanat Pissal	Very Good	Very Good	Very Good
12/23/2018	Secretaria la consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de consensación de	MILE D. L.	Excellent	Excellent	Outstanding
15:30:09	nikhil.belose217@siesgst.ac.in	Nikhil Belose	Excellent	Excellent	Outstanding
12/23/2018	070	Shashank Chavan	Excellent	Very Good	Very Good
19:13:18	shashankchavan07@gmail.com	Shashark Chavan	LXCOHOTT	, ,, , , , ,	
12/28/2018	sahil.nande17@siesgst.ac.in	Sahil Nande	Oustanding	Excellent	Excellent
16:36:53 12/28/2018	Sanii. nande i / @siesgst.ac.iii	Sam Harra			
19:26:46	thakur.kirti217@siesgst.ac.in	Kirti Chandrakant Thakur	Oustanding	Outstanding	Outstanding
12/29/2018	mana2 ©erzzg		was accorded		V 0 1
21:28:15	manudhane.sarvesh17@siesgst.ac.in	Sarvesh Manudhane	Excellent	Very Good	Very Good
1/24/2019			Ovetending	Outstanding	Excellent
16:34:08	devanshimehta625.dm@gmail.com	Devanshi Mehta	Oustanding	Outstanding	LXCGIICIT
1/25/2019	170 1 1 1	Javadov Sitaraman	Oustanding	Outstanding	Outstanding
16:47:15	jayadev.sitaraman17@siesgst.ac.in	Jayadev Sitaraman	Gustariding	o d.o.dirairig	

Certificate:











CRNO2-Sec5H2018/SDP03

## CERTIFICATE

OF COMPLETION

This is to certify

Mr./Ms. has

successfully completed the course on

"Computer Network and Security"

and fifteen days internship from 24th December, 2018 to 17th January, 2019 held at SIES Graduate School of Technology. During internship he/she has successfully

completed project titled

MS.APARNA BANNORE COE E-SECURITY COORDINATOR DR.RIZWANA SHAIKH HEAD,CE DEPT. DR.VIKRAM S. PATIL PRINCIPAL,SIESGST







## SIES Graduate School of Technology Center of Excellence: e-Security

Organizing
Student Development Program and Internship

6 days Hands on Training on

Ethical Hacking and Security June10-15, 2019, 9.30 AM to 5.00 PM

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

#### Objectives:

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

#### Course Contents:

- · Introduction to Ethical hacking
- Network sniffing and spoofing tools
- Server Side Hacking Tools., Client Side Hacking Tools: BACKTRACK, BEEF
- Web application Exploitation tools- Metasploit, Google hacking
- Virus and Steganography.
- Use of Block chain Technology in Security

Who Should Attend: FE/SE/Diploma Students interested in pursuing career in security.

NERUL NAVI MUMBAI 400 706.

Course Fee: No Charges

Certificate: In collaboration with 9th Legend Inc.

Internship: At the end of 5 days program participants will undergo 15 days internship covering identification of security threats and developing the security solution.

#### Outcomes:

• This SDP will give insight to organizations security parameters, threats and Solutions.

• This SDP will provide base for certificated ethical hacker, certified penetration

tester. Contact for Registration: Aparna Bannore: bannore.aparna@siesgst.ac.in,

9920809635 Prof.Suvarna Chaure: <u>suvarna.kendre@siesgst.ac.in</u>, 9769455405

## Six Days Students Development Program on Ethical Hacking and Security

(10-15 June, 2019)

#### Day wise schedule

Day	Session1 9:30-10.00	Session2 10:00-1.00	Session3 1.45 - 3:30	Session 4 4:00-500	feedba ck
Day 1 10/06/20 19	Inauguration	Introductio n to computer network Fundament als KNP	Introduction to security Ethical hacking Aparna Bannore	Initial Commands demonstratio n and hands on 1)Dig 2)whois 3)traceroute 4)ifconfig Nslookup,ho st AMB	
Day 2 11/06/20 19	Sniffing using wireshark Tcpdump +Assignment	Assignmen t on Sniffing SVC	Network Spoofing using nmap, Amb	Zenmap Amb Password	

NERUL NAVI MUMBAI 400 706.

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	on sniffing Suvarna VChaure			cracking John the ripper SVC	
Day 3 12/06/20 19	Kali linux installation Backtrack Metasploit AMB	Exploting winxp system	Virus, steganograph y KNP	Key logger Lab work KNP	
Day 4 13/06/20 19	SQL injection UNR	SQL map UNR	Vulnerability assessment using Nesses UNR	Quiz	
Day 5 14/06/20 19	Introduction to Blockchain tech Dr.Rizwana Shaikh	Continued	Wireshark challenges/	network miner	
Day 6 15/06/20 19	Browser Exploitation framework Dr.Vijay Katkar	BeEF continued	BeEF continued	Internship project distribution	Feedb ack

1) Quiz will be conducted at the end of each day to know the students understanding in the topic covered. All the resources are requested to prepare accordingly.

2) All the resource person are requested to prepare and keep ready mini projects topics related to the contents covered in te SDP which will be given to the participants. Three students per group, based on the students response, total number of groups will be decided.



DRINGIP

### List of Participants:

1	NIRMIT RAJESH SAWAI	nirmit.rajesh18@siesgst.ac.in	9870941743	IT/FE/E
2	Shruti Azhagu Mani	shruti.azhagu18@siesgst.ac.in	9833603070	CE/FE/D
3	Aditi jajoo	jajoo.aditi18@siesgst.ac.in	9699956440	EXTC/FE/A
4	M.Surya	surya.m18@siesgst.ac.in	9920093425	EXTC/FE/A
5	Karthik Prakash	karthik.extc18@siesgst.ac.in	9819501288	Extc/FE/A
6	Aakriti Sharma	aakriti.sharma18@siesgst.ac.in	7208360846	CE/FE/D
7	DARSHAN CHANDULAL PATEL	darshan.chandulal18@siesgst.ac.in	8425919658	CE/FE/C
8	Aditi Rao	aditi.angad18@siesgst.ac.in	9082683101	EXTC/FE/B
9	Afhan Ashfaque Mulla	mulla.afhan18@siesgst.ac.in	9594454300	ME/FE/F
10	Vaishnavi Mukku	mukku.vaishnavi18@siesgst.ac.in	7738218012	Extc/fe/b
11	Atharva Surve	surve.atharva18@siesgst.ac.in	9819539746	CE/FE/D
12	Nikhitha Jayaprakash	nikhitha.jayaprakash18@siesgst.ac.in		32/12/2
13	Shreya Pramod	January		
14	Rashmi singh	rashmi.shankar18@siesgst.ac.in	8104371394	F. J. JE /D
15	Prathamesh Thakur	thakur.prathamesh18@siesgst.ac.in	9326914193	Extc/Fe/B
16	Rajkumar	rajkumar.kolanji18@siesgst.ac.in	9969846553	IT/FE/E
17	Punit	suryarao.punit18@siesgst.ac.in	7045406050	EXTC/FE/B
18	Shreya Mukherjee	shreya.mukherjee18@siesgst.ac.in	9930387845	CE/FE/D
19	Shlok Vivek Naik	shlok.vivek18@siesgst.ac.in	9867942329	CE/FE/D
20	Nadar Vijay	nadar.vijay18@siesgst.ac.in	8291257715	CE/FE/C
21	Anirudh Belwadi	belwadi.anirudh18@siesgst.ac.in	9892348079	CE/FE/C
22	Nishant Gharat	gharat.nishant18@siesgst.ac.in	9323792272	EXTC/FE/A
23	C R Abubakkar Wasim	abubakkar.mohamed18@siesgst.ac.in	9867576847	CE/FE/C
24	Ruchi Bheke	bheke.ruchi18@siesgst.ac.in	7767098691	CE/FE/C



## List of Projects:

Sr. no	Ttitle of Project	Student Name		Signature
01	Angry Ip scanner(Windows OS):	Vinita Punjabi	Ujwala R	
02	Keyloggerkeylogger(windows OS)	Nikhitha jayapakash ShrutiAzhagu Mani Shreya Khare	Kalyani P	
03	metasploit: for hacking windows XP system using Kali linux	Anirudh belwadi Darshan Chandulal patel Aakriti Sharma	va Aparna B	
04	steganography using windows Os using Openstego	Atharva Surve	Kalyani P	
05	Web vulnerability scanner :netSparkar	Vaishnavi M Prathmesh T	Suvarna C	
06	SQLmap using Kali Linux	Aditi Rao Punit S Rashmi S	Ujwala R	
07.	Networkminer	Rajkumar K Nirmit S Afhan M	Suvarna C	





#### SIES Graduate School of Technology Sri Chandrasekarendra Saraswati Vidyapuram

Chandrasekarendra Saraswati Vidyapurai 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: 10/06/2019

Organized for: FE Student s

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

No of Students attended: 17

Attachments: 1. Event Description (Maximum 500 words including major areas covered)

2. Photographs3. 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 year students of EXTC/CE/IT/MECH branch from June 10-15, 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 andmitigating 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

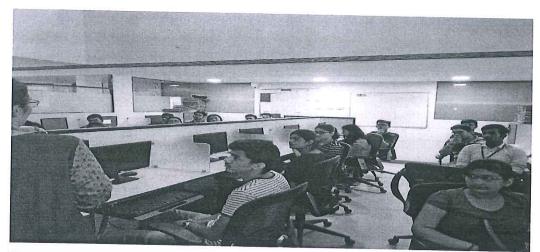
Project6: SQLmap using Kali Linux

#### 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.



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**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.



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9th Legend

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# CERTIFICATE

OF COMPLETION

This is to certify that

Mr. Ms. NIKHITHA JAYAPRAKASH

has successfully completed the course on "Ethical Hacking and Security"

and fifteen days internship from 17th June to 1st July, 2019 held at SIES Graduate School of Technology. During internship he/she has successfully completed project titled Keyloggers

MS, APARNA BANNORE COE E-SECURITY COORDINATOR DR. RIZWANA SHAIKH HEAD, CE DEPT. DR. ATUL KEMKAR I C. PRINCIPAL SIES GST

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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

18/12/2018 to 22<sup>nd</sup> /12/2018 10.00 AM to 5.00 PM

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

#### 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, Google hacking, Malware and Steganography

Who Should Attend: FE/SE/Diploma Students interested in pursuing careers in security.

Course Fee: No Charges

Certificate: In collaboration with 9th Legend Inc.

Internship: At the end of 6 days program participants will undergo 15 days internship covering identification of security threats and developing the security solution.

#### Outcomes:

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

Contact for Registration: Aparna Bannore: bannore.aparna@siesgst.ac.in, 9920809635

Prof.Suvarna Chaure: suvarna.kendre@siesgst.ac.in-\$769455405



#### SIES Graduate School of Technology

Sri Chandrasekarendra Saraswati Vidyapuram Sector v, Nerul, Navimumbai-400706

## Department of Computer Engineering Activity Report

Student Development Program: Network Security and Ethical Hacking

(18 - 22<sup>nd</sup> of December 2018)

Event Information
Event Type: Student Development Program
Event title: Network Security and Ethical Hacking
Resource Person: Prof. Aparna Bannore , Prof. Sunil K.Punjabi, Prof. Suvarna Kendre , Prof. Kalyani Pampattiwar ,Prof. Ujwala Rawale,Prof. Priyanka Kadam
Event date: 18 – 22 <sup>nd</sup> of December 2018
Organized for: Student
Organized by: CoE e-Security
Target audience (branch & nos.): SE (CE+IT)=7 TE(CE+IT(1)+EXTC(1))=12
Attachments: 1. Photographs (in JPEG/PNG) 2. Attendance report
3. Feedback



#### **Event Description**

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 a student development program on Network Security and Ethical Hacking was organized. This 5 days workshop was organized in collaboration with IT Company 9 th Legend.

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, Google hacking, Malware and Steganography.

Total 19 students from SE/TE of (CE/IT) participated in the workshop and internship. Participants developed projects on the following topics as 15 days internship work

- 1) Title: Internet usage control using access control techniques.
- 2) Title: Network design proposal for Bank
- 3) Demonstration of SYN flood and DOS attack using hping3
- 4) Hacking Windows Xp system using Vulnerability of Adobe reader
- 5) Demonstrating password cracking tool from Kali linux.

Prof.Preeti Godabole also organized A talk by our alumni Mr.Shatavarth Cheruvu, UnotechSoft Ltd.(2015 batch), on 22/12/2018 on the topic Machine learning PIPELINE in order to give insight on phishing attacks and use of machine learning in it from industry perspective.

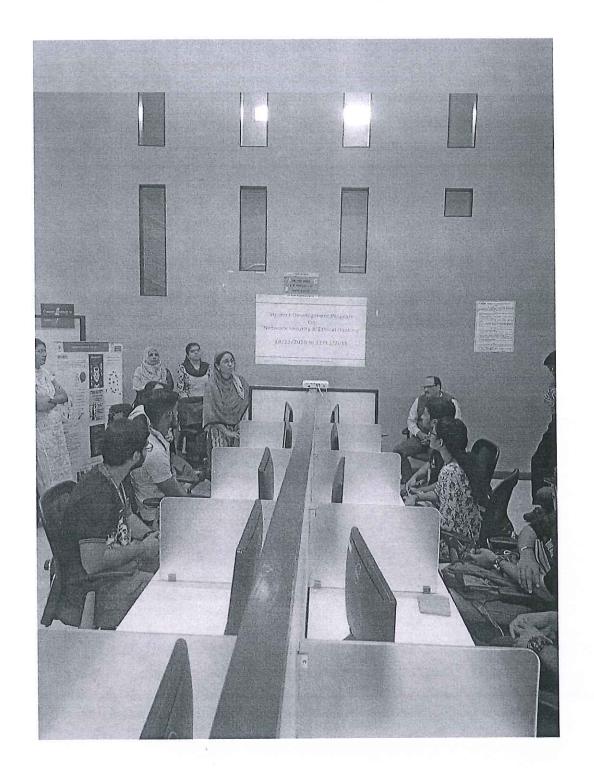
Impact Analysis: The student development program gave insight about various security peripheries in the organization and mechanism to protect the network security.

- 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.

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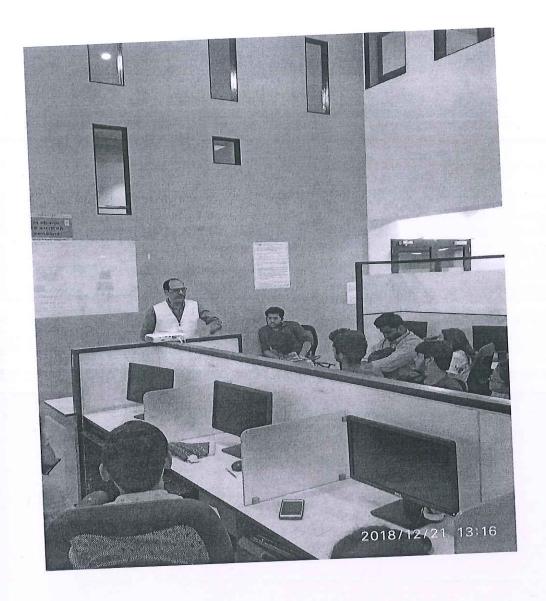


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#### SIES Graduate School of Technology Sri Chandrasekarendra Saraswati Vidyapuram Sector v, Nerul, Navimumbai-400706

#### Department of Computer Engineering



One week Student development program on Ethical Hacking and Security

From Dec 11-15,2017

#### Report:

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

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

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

#### Outcomes:

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

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

#### Attendees:

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

Session: Major topics covered during the workshop are

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- 1) Anatomy of System Hackby. Prof. Aparna Bannore
- 2) Scanning and sniffing using open source tools by Prof.SuvarnaChoure
- 3) Password cracking by Prof.SuvarnaChoure
- 4) Metasploit FrameworkProf.Aparna Bannore
- 5) Network Spoofing and banner grabbing: Prof.PreetiGodabole
- 6)SQLinjection, CSS and Malware detection by Prof. UjwalaRavale

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

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

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

Project3: Demonstrating password cracking tool from Kali linux

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

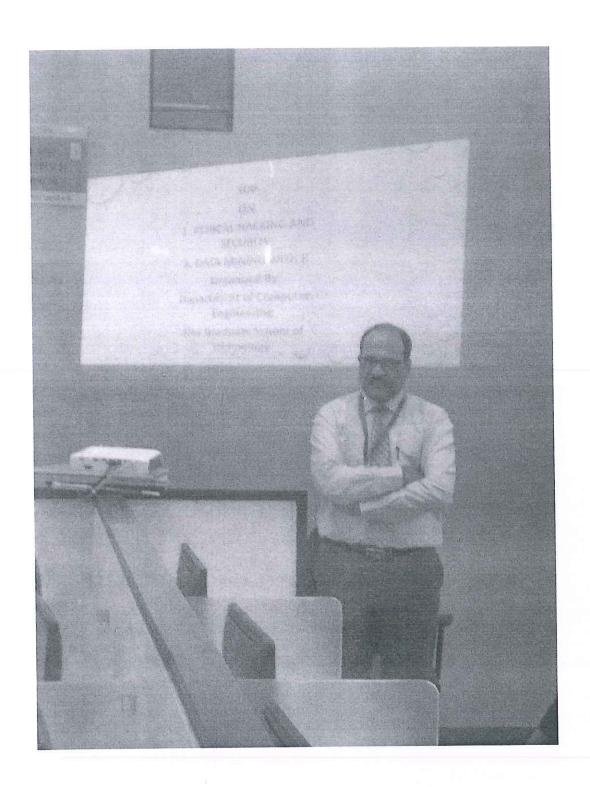
#### Feedback:

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:



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This is to certify that

Mr./Ms.

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

PROF. SUVARNA CHAURE COURSE COORDINATOR

DR. RIZWANA SHAIKH HOD,CE DEPT.

DR. VIKRAM S, PATIL PRINCIPAL SIES GST



## SIES Graduate School of Technology Center of Excellence: e-Security

Organizing

Student Development Program and Internship
5 days Hands on Training on
Web Application Security and Ethical Hacking
June 11 to 15, 2018, 9.30 AM to 5.00 PM

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

#### Objectives:

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

#### Course Contents:

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

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

Total enrolment: 22 students (SE Extc, CE and IT)

Faculty members who contributed: Deepti Reddy, Sunil K. Panjabi, Aparna Bannore, Suvarna Chaure, Kalyani Pampattiwar, Ujwala Ravale

Students demonstrated projects on the following topics completed during internship.

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



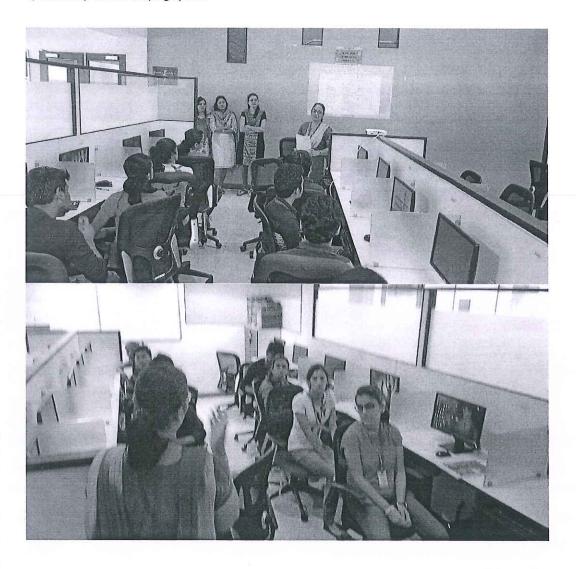
3) Project Record keeping System

4) Project: Students Activity data management system

5) Project: Faculty Activity data management system

6) Project: Network issues Management system

7) Internship Record keeping System





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#### Day wise schedule

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



#### Feedback:

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

Certificate:



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## CERTIFICATE

OF COMPLETION

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Mr./N/s. Suril Pellai.

of

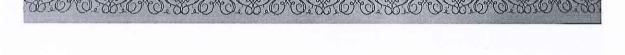
Second year Engineering has successfully completed the course on "Web Application Security and Ethical Hacking"

and fifteen days internship from 11 th June to 28 th June, 2018 held at SIES Graduate School of Technology. During internship he/she has successfully completed project titled faculty Asia Management Lystin

MS. APARNA BANNORE COE E-SECURITY COORDINATOR

DR. RIZWANA SHAIKH HEAD, CE DEPT.

DR. VIKRAM S. PATIL PRINCIPAL, SIES GST





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#### **Department of Computer Engineering**

## Student Development Programme on LAMP 20-24 Dec 2017

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

#### **OBJECTIVES**

- 1. Learn Fundamentals of Linux and NetworkingCommands
- 2. Understand how server-side programming works on theweb
- 3. Create a database inPhpMyAdmin
- 4. Create aWebsite

#### WHO WILL BE BENEFITED?

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

#### PREREQUISITE

Basics of HTML

#### **OUTCOMES**

#### Learner will be able to:

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

#### CONTACT PERSON

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

9820298932



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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 Linux and Lamp

#### **Event Information**

**Event Type: Workshop followed by internship** 

Event Title:Linux Lamp Workshop

Resource Person: Prof.Namrata, Prof. Kalyani P, Prof. Masooda M, Prof. Roopal M, Prof.Kranti

Event Date: 20 to 24 Dec 2017

Organized for: Students

Organized by: CE Department

Target Audience (Branch & Nos.): 6 Students

Attachments: 1. Photographs (JPEG/PNG)

2. Attendance Report

3. Feedback Report



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#### **Event Description**

CE department faculties have conducted 5 days student development program followed by internship, "Linux Lamp". Program was conducted.

Objective of the workshop was to bridge the gap between industry requirements and academic, specifically designed for **Second year** CE/IT/EXTC students.

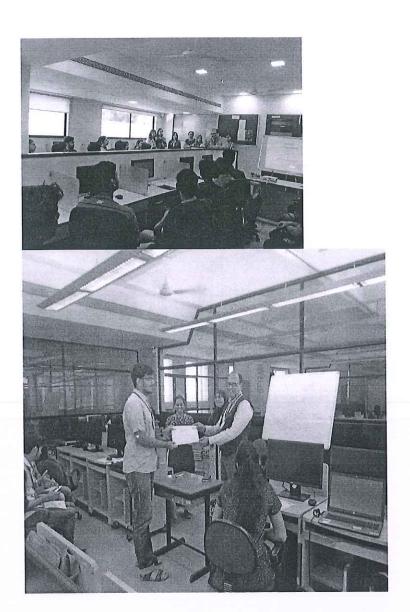
participation:06(4(IT)+2(CE)) students attended the course and successfully developed and submitted project in a group or individually.

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

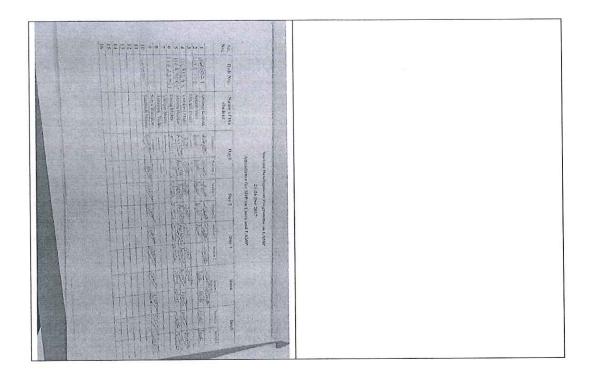
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2. Attendance and Feedback Report (Scanned copy):





#### Attendance:

#### Feedback analysis

Feedback was collected and overall feedback shows students were satisfied with content and requested to conduct future such course

Impact Analysis:Students were able to develop the project and submitted project report for the same.









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OF COMPLETION

This is to certify that

Mr. Ns. Aakash. Haji of SE Computer Engineering has successfully completed the course on Basic Linux and LAMP" held of SIES Grachiate School of Technology, Neval from 20" Dec to 24" Dec 2017.

PROPERTY COMBINATION

DR RIZWANA SHADOU HODEL DEPT.

DECVICIONES PATRE PROSCIPAL SIES CIST



PRINCIPAL





#### Workshop on data mining using R

Date: 11 - 15 Dec 2017

Speaker: Prof. Pranita Mahajan, Prof. Prachi Shahane, Prof. Anindita Khade and Prof.

Yashashree B. (SIESGST).

Duration: 5 days workshop followed by one month internship

**OBJECTIVE AND GOALS:** 

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

#### **SESSION:**

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

#### **ATTENDENCE & INFRASTRUCTURE:**

16 students registered for the workshop and 4 students attended the course and successfully developed and submitted project in SIESGST.

During internship students build two applications which were presented in front of CE faculties and principal Dr. Vikram patil. Certificates were given on successful implementation and presentation of internship work. Projects developed were Campus placement advisor and Student Semester Grade Prediction Based On His Semester Attendance

#### **Projects developed**

1. Campus placement advisor

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

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

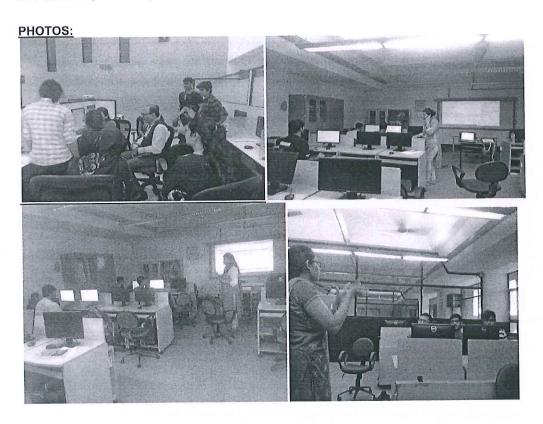
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identify relevant attributes based on quantitative and qualitative aspects of a student's profile such as CGPA and technical skills and design a model which can predict the placement of a student. For this purpose, ID3 classification technique based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

#### 2. Student Semester Grade Prediction Based On His Semester Attendance

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





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# Workshop on data mining using R CE department Tentative Schedule

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



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

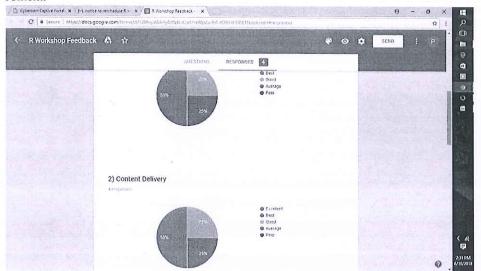
Workshop will be followed by one month internship in which group of three students will development an application using R.



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#### FEEDBACK:

Day wise feedback was collected and overall feedback shows students were satisfied with content.



#### Impact analysis

One of the student from workshop Pritam Negi got selected as beta tester for DataCamp

#### Registration

Timestamp	Email Address	Full Name	PRN NUMBER	Email	
12-1-2017 17:23:43	ashwathi.ashok15@s	iesgs Ashwathi Ashok	115A1097	ashwathi.ashok15@siesgst.ac.in	
12-1-2017 17:27:27	omkar.prabhu15@sie	esgst. Omkar Prabhu	115A1077	omkar.prabhu15@siesgst.ac.in	
12-1-2017 17:31:11	pritam.negi15@siesg	st.ac Pritam Negi	115A1070	pritam.negi15@siesgst.ac.in	
12-1-2017 18:00:38	aditya.krishnan15@s	iesgs Aditya Krishnan	115A1060	aditya.krishnan15@siesgst.ac.in	4
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12-1-2017 22:30:16	jayaraman.shankarar	n15@ Jayaraman Shankaran	115A1009	jayaraman.shankaran15@siesgst.ac.in	
12-2-2017 0:05:39	rutuja.patil115@siesg	jst.ac Ruluja Kishor Patil	115a1075	rutuja.patil115@siesgst.ac.in	
12-2-2017 0:07:59	akanksha.pradhan15	@sie Akanksha Prashant Pradh	115A1078	akanksha.pradhan15@siesgst.ac.in	
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12-5-2017 17:08:53	meenakshi.sundar15	@sie Meenakshi Sundar	115A1016	meenakshi.sundar15@siesgst.ac.in	
12-7-2017 21:17:41	nimish.chaudhari216	@sie Nimish Chaudhari	216A3057	nimish.mailbox@gmail.com	

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This is to certify that

Mr./Ms.

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

PROF, PRANITA MAHAJAN COURSE COORDINATOR

DR. RIZWANA SHAIKH HOD,CE DEPT,







CR No. CE

This is to certify that

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

PROF, PRANITA MAHAJAN COURSE COORDINATOR

DR. RIZWANA SHAIKII HOD,CE DEPT, 

DR. VIKRAM S. PATIL PRINCIPAL, SIES GST







#### **Python Programming Workshop**

Date: from 20th January, 2018 to 17th April, 2018

Day: Saturdays

Resourse Persons:Ms. Masooda Modak,Dr. Rizwana Shaikh,Ms. Kranti Bade, Ms. Varsha Mali

,Dr. Vijay Katkar

Duration: 9:30 onwards

#### **OBJECTIVE AND GOALS:**

Objectives of the workshop

Develop a basic understanding of Python programming language.

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

#### **SESSION:**

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



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#### ATTENDENCE & INFRASTRUCTURE:

This event was attended by 35 Students of TE and SE of CE,IT and EXTC..

#### **FEEDBACK:**

The workshop had an overwhelming response from the students who displayed immense interest in learning and for each session the python assignments were give to the students and submitted for evaluation.

#### IMPACT:

After doing the workshop on "Python Programming", many students registered for "Machine Learning with R" workshop by SIES GST.







#### South Indian Education Society's GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai. DEPARTMENT OF INFORMATION TECHNOLOGY



## **Network Management and Security**

June 23 to June 29, 2021 Click <u>here</u> to register

Computer networks are built to support business functionality and beyond communication the result of business is data. The data needs organization, maintenance and above all protection from malicious attackers. We live in a digital world, where an increasing amount of our day-to-day activities have migrated online. Cyber-criminals can effortlessly wreak havoc on our lives and businesses. Our increased use of the internet and mobile usage gives them even more opportunities to exploit our vulnerabilities. That's where networking and security awareness comes in! To address this need, this course is designed to educate our students on the different security risks and threats out there, as well as potential weak spots. Students must learn the best practices and procedures for keeping networks and data secure.

#### About Instructors:

This course will be taught by the Internal faculty of SIES GST and the Industry experts from Networking and Security Domain.

### Industry Experts from Networking and Security Domain:

- 1. Dr. Dipanjan Biswas- Certified Trainer (CCNA, CCNP and CCIE), NOKIA, WAN Optimization and Design Architect.
- 2. Mr. Sandesh Gupta- Forensic Consultant, Lab Systems Pvt Ltd.

#### **Internal Expert:**

Dr. K. Lakshmi Sudha, Associate Professor

### Course Objectives:

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To learn the fundamental aspects of security in a modern networked environment with the focus on system design aspects in the specific context of network / internetwork security.

To learn the effective assessment methodologies in Digital Forensics.

#### **Course Outcomes:**

- Students will be able to design a secured Enterprise Network.
- Students will be able to develop effective assessment methodologies in Digital Forensics.

#### **Course Content:**

Prerequisite: Computer Networks, Basics of security.

Module	Contents	External Expert/ Internal Faculty Member	Hours
1.	Fundamentals of Networking and design  Introduction, IP addressing (IPV4 and IPV6) Understanding, configure Router and Switch, Module, Implementation of DHCP, ACL, NAT, PAT etc, Password Recovery, Backup of running config to startup config, Trunking, VLAN, OSPF, EIGRP protocols etc, Design of Wireless Network.	Dr. K. Lakshmi Sudha	20 hrs
2.	Security fundamentals, VPNs, Wireless security protocols  Key security concepts, Security program elements, Configure device access control using local passwords, Describe security password policies elements, such as management, complexity, and password alternatives, Remote access and site-to-site VPNs, Configure and verify access control lists, Configure Layer 8 security features, Differentiate authentication, authorization, and accounting concepts, Describe wireless security protocols, Configure WLAN using WPA8 PSK using the GUI.	Dr. Dipanjan Biswas- Certified Trainer (CCNA, CCNP and CCIE)	10 hrs
3.	Digital forensics  Introduction to Digital forensic, Disk forensic workflow Mobile forensic workflow, Video Forensic with live tool demo	Mr. Sandesh Gupta - Forensic Consultant, Lab Systems Pvt. Ltd.	5 hrs
4.	Problem statement formulation for Mini project and its implementation based on the concepts learned.	Dr.K.Lakshmi sudha	05 hrs

#### Assessment:

- 1. Module wise assignments and quizzes should be completed by students.
- 2. Mini project should be completed.



Course Coordinator: Prof. Bushra Shaikh

bushras@sies.edu.in

9833199844





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

# Department of Information Technology <u>Event Report</u>

#### **Event Information**

Event Type: Student Development Program

Event title: Networking Management and Security

Resource Person: Industry Experts from Networking and Security Domain:

- 1. Dr. Dipanjan Biswas- Certified Trainer (CCNA, CCNP and CCIE), NOKIA, WAN Optimization and Design Architect.
- 2. Mr. Sandesh Gupta-Forensic Consultant, Lab Systems Pvt Ltd.
- 3. Internal Expert: Dr. K. Lakshmi Sudha, Associate Professor

Event date: June 23-June 29, 2021

Organized for: SE/TE/BE Branch:IT/CE/EXTC

Organized by: Prof. Bushra Shaikh

Target audience (branch & nos.): 32

Attachments:

- 1. Photographs (in JPEG/PNG)
- 2. Attendance report

3. Feedback



## **Event Description**

IETE Students' Forum of SIES Graduate School of Technology, Nerul, conducted a student development program on Networking Management and Security. It was conducted jointly by an Internal Expert: Dr. K. Lakshmi Sudha and Industry Experts from Networking and Security Domain: Dr. Dipanjan Biswas-(Certified Trainer (CCNA, CCNP and CCIE), NOKIA, WAN, Optimization and Design Architect). Mr. Sandesh Gupta-(Forensic Consultant, Lab Systems Pvt Ltd.) from June 23-June 29, 2021 for SE/TE IT/CE/EXTC students. On the first three days of sessions, the topics such as basic introduction to Data mining, Regression Analysis, Classification, Security fundamentals, VPNs, Wireless security protocol etc were covered. The students were introduced with the concepts of Digital forensics. Following were the contents of course:

Module 1: Fundamentals of Networking and design,.

Module 2: Security fundamentals, VPNs, Wireless security protocol

Module 3: Digital forensics

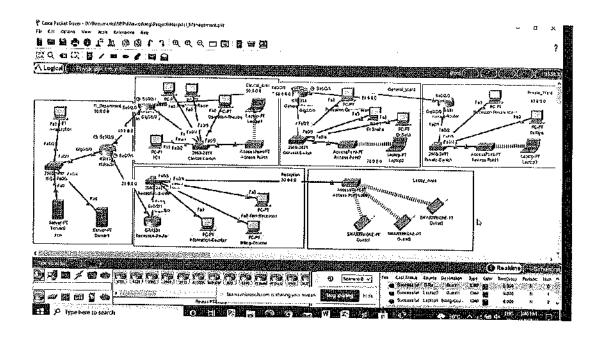
Module 4: Problem statement formulation for Mini project and its implementation based on the concepts learned.

The rest of the session was focused on internships which were completed by students—during which they completed industry related projects. The project was guided by Dr. K. Lakshmi Sudha and presentations were conducted with evaluation and assessment based on which certificates students were issued certificates.

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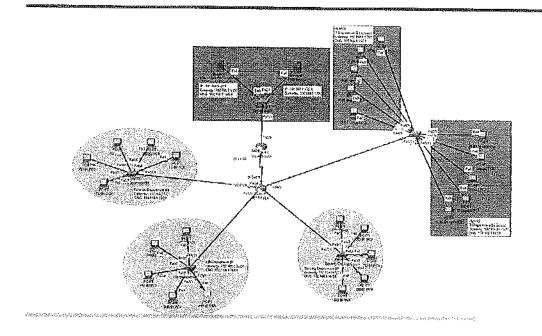


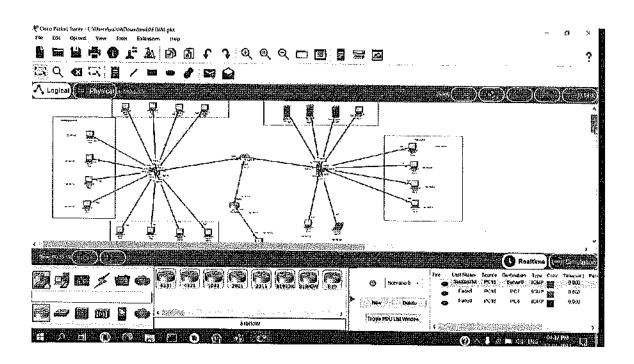
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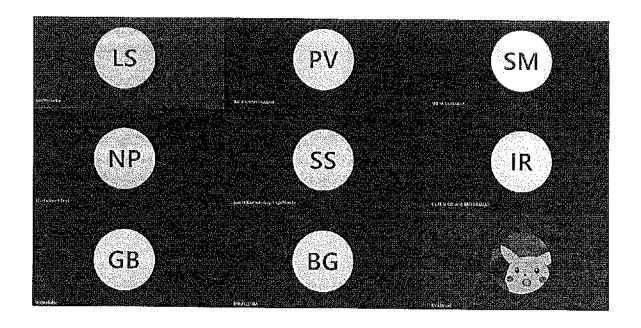
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## 2. Attendance report



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3 DIVYA KAMILA	DIVYA KAMILA	DIVYA KAMILA	DIVYA KAMILA
4 EDISON STEPHEN	EDISON STEPHEN	EDISON STEPHEN	EDISON STEPHEN
5 GEETIKA BABO	GEETIKA BABU	GEETRA BABU	GEETIKA BABU
6 JANILAYI PATIL	JANBAVLPATIL	JANHAYI PATIL	JANUAVI PATII,
7 KHUSH PATIL	KHUSH PATIL	KNUSU PATA.	KHUSH PATIL
8 Manthan Ravindra	Manthan Ravindra	Manthan Ravindra	Monthun Ravindra
9 NISTICHAY VERMA	MISHCHAY VERMA	NESHCUAY VERMA	NISHCHAY VERMA
10 Nishika Patel	Nishika Patel	Nishiku Parel	Nishika Patel
II PRASANNA IYER	PRASANNA IYER	PRASANNA IYER	PRASANNA IVER
12 PRIYANKA NAIDU	PRIYANKA NAIDU	PRIYANKA NAIDU	PRIYANKA NAIDU
13 RITIK KARAYAT	RITIK KARAYAT	RITIK KARAYAT	RITIK KARAYAT
14 RIYA SINGIS	RIYA SINGH	RIYA SINGH	RIYA SINGII
15 ROHIT IYER	ROUDT IYER	ROIGT IYER	ROHT IYER
16 S ANANTHASELVI SHANKARAN	S ANANTI(ASELVI SHANKARAN	S ANANTHASELVI SIJANKARAN	§ ANANTHASELVI SHANKARAN
17 SACHIN YADAY	SACHIN YADAV	SACIUN YADAV	SACHIN YADAV
18 SADISH NADAR	SADISH NADAR	SADISH NADAR	SAÐISH NAÐAR
19 SHUBHJEET KALSI	SOUDHEET KALSI	SHUBIDEET KALSI	SHUDIDEET KALSI
20 Simran Kamr Sheinbe	Sirrani Katar Shembe	Simran Kaur Shembe	Singar Kaur Shembe
21 SNEHA MURUGESH	SNEHA MURUGESH	SNEHA MURUGESH	SNEITA MURUGESH
22 SUDHAN SOMASUNDARAM	SUDBAN SOM ASUNDARAM	SUDIIAN SOM ASUNDARAM	SUDIIAN SOMASUNDARAM
23 VASANTILMURALIDHARAN	VASANTH MURALIDEIARAN	VASANTE MURALIDEIARAN	VASANTIE M DRALIDITARAN
21 VIGNESH NAIDU	VIGNESH NAIDU	VIGNESH NAIĐU	VIGNESH NAIDU
25 YASH BHEKE	YASH BUEKE	YASH BREKE	YASH BUEKE
26 LAKSHMANAN KONAR	LAKSEMANAN KONAR	LAKSHMANAN KONAR	TOSG BUENG
27 VAISHNAVI MUKKU	VABSIINAVI MŪKKO	VAISIINAVI MURKU	Utlesia i di ali menti
28 SHOBBANA IYER	SHOBELANA LYER	SHOULIANA IYER	VAISHNAVI MUKKU
29 PRANAV KONAR	PRANAVKONAR	SOUTH TIES	SIKOBHANA IYER
30 GANAPATHYRAMAN LAKSHMINARAYAN	GANAPATHYRANIAN LAKSHMINARAYAN	GANAPATHYRANAN LAKSHAUMARAYAN	

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	5 Priyanka naidu	Priyanka Naidu	EXTC	TE	A
		IA Vasanth Muralidharan	EXTC	BE	A
	7 Simran Kaur Shembe	ter fil fill fill fill at the fill and the fill and the fill in the fill and the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at the fill at t	π.	TE	(i) Expenses
	8 EOISON STEPHEN	Edison sundaraj	EXTC	BE	В
	9 RITIK KARAYAT	Ritik Karayat	II.	BE	
	10 VAISHNAVI MUKKU	Mukku Vaishnavi	EXTC	TE	8
	11 SNEHA MURUGESH	Sneha murugesh	Π	SE	
	12 NISHCHAY YERMA	Nishchay Verma	EXIC	TE	8
	19 DIVYA KAMILA	Divya Kamila	EXTC	TE	A Commence
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	16 Nishika Patel	the first things of the page from the property of the con-	Π	5 <b>€</b>	ε,
	17 SACHIN YADAV	Yaday Sachin Krishnan	EXTC	BE	В
	18 SADISH NADAR	Sadish Nadar	EXTC	JE .	A
	19 PRANAV KONAR	Pranav Konar	π	SE .	E
	20 WALSH	Walsh Varughese	EXTC	BE .	В
	21 ROHIT IYER	Rohit Iyer	EXTC	8E	A
	22 YASH BHEKE	Yash Blieke	EXTC	8E	A
	23 LAKSHMANAN KONA	R Konar Lakshmanan	IT	SE	ε
	24 SUDHAN SOMASUND	A Sudhan Somasundaran	EXTC	<b>∂E</b>	8
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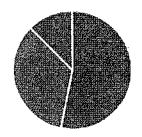
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6. Effectiveness of session

More Details

*	Excellent	17
e Gran	Good	44



7. Relevance of topics and assignments to the session More Details

32

Responses



8. Presentation and Audio Quality

More Details

32

Responses



 Overall satisfaction with the content and delivery More Details

Satisfied	31
Can be better	( <b>1</b> )
Unsatisfied	.0



Co-ordinator

Prof. Bushra S.

HOD IT

Dr. K.Lakshmisudha







## CERTIFICATE

OF APPRECIATION

This is to certify that

## Rohit Iver

has successfutty compteted the course on "Network Management and Security"

from June 23 to June 29, 2021 atong with 15 days of intermship from June 30 to Juty 14, 2021 hetd at SIES Graduate School Of Technology. During internship he/she has successfutly compteted the project titted as

Design of a Inter college network.

Dr. K. Lakshmisudha HOD IT

Dr. Atul Kemkar PRINCIPAL SIES GST

Ms. Bushra Shaikh COURSE COORDINATOR

IT/INT00025



## 2. Sample Attendance & Feedback Report (Scanned copy)

Attendance Day -1

	Attendance D		
Sr.		User	V 200
No	Full Name	Action	Timestamp
			6/21/2021, 9:53:57
	Ajay Hundiwale	Joined	AM
1			6/21/2021, 9:53:58
1	KOKATE AMEY PRASHANT	Joined	AM
			6/21/2021, 9:53:58
2	MUSHRIF RUCHA ANIRUDHHA	Joined	AM
			6/21/2021, 9:53:58
3	Patil Preeti Pundalik	Joined	AM 6/21/2021, 9:54:01
		1	6/21/2021, 9:54:01 AM
4	HATKAR VARUN VINAY	Joined	6/21/2021, 9:55:02
		la la ad	6/21/2021, 9.55.02 AM
5	NAIK ROSHAN SHANKARDAS	Joined	6/21/2021, 9:55:33
		I a lun a al	6/21/2021, 9.55.55 AM
6	Rushikesh Niwas Bane	Joined	6/21/2021, 9:55:44
		Joined	AM
7	More Nishant Chandrakant	Joined	6/21/2021, 9:56:02
17000		Joined	AM
8	ROKADE APOORVA AMOL	Joined	6/21/2021, 9:57:06
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9	Nikhil Sachidanandan	Joined	6/21/2021, 9:57:33
40	PALASKAR VEDANTI VISHNU	Joined	AM
_10	PALASKAR VEDANTI VISHINO	Joined	6/21/2021, 9:57:49
11	PARAMESWARAN VAIDIYANATHAN	Joined	AM
11	PARAIVIES WARAN VAIDITANATTAN		6/21/2021, 9:58:06
12	Ameya Avinash Tulpule	Joined	AM
12	Ameya Avinasii Taipais		6/21/2021, 9:58:29
13	IYER SHIVA RAJGOPAL	Joined	AM
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14	AKHILESH SRILALAN	Joined	AM
			6/21/2021, 9:59:03
15	GORULE PRAYAG UTTAM	Joined	AM
			6/21/2021, 9:59:32
16	WANI VAISHNAVI SANJAY	Joined	AM
			6/21/2021, 9:59:39
17	PHANSE SHRUTIKA TANAJI	Joined	AM
			6/21/2021, 9:59:39
18	TAYADE KHUSHAL MAHENDRA	Joined	AM
			6/21/2021, 10:00:04
19	VISHNU RAMACHANDRAN	Joined	AM
			6/21/2021, 10:00:05
20	Aniket Rajesh Jangam	Joined	AM
			6/21/2021, 10:00:09
2.1	BONDANTHILA KARTHIK RAVINDRA	Joined	AM



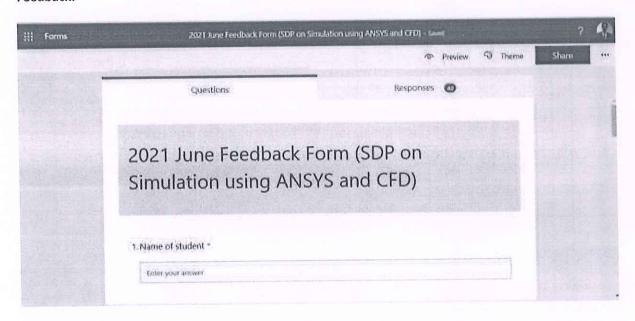
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		Market Characters
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SAWANT SIDDHESH SANTOSH		
SAWANT SIDDHESH SANTOSH	1 CAC VA 201	6/21/2021, 10:00:41
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		6/21/2021, 10:02:02
ARADE SHUBHAM SHAILENDRA	Joined	AM
VASANTHAKARTHIKEYAN		6/21/2021, 10:02:25
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	1. 1	2 2
VARADE SHIVAM SHAILENDRA	Joined	AM
		6/21/2021, 10:03:16
VICHARE SARVESH SAMADHAN	Joined	
		6/21/2021, 10:04:17
CHOGALE CHINMAYEE VIRENDRA	Joined	AM
		6/21/2021, 10:04:41
JOSHI GAURANG NINAD	Joined	AM
		6/21/2021, 10:04:43
Ketan Prakash Gaikwad	Joined	AM
Notali Franco		6/21/2021, 10:05:00
IVER SOMMANA RAMAKRISHNAN	Joined	AM
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MULLA AFHAN ASHFAQUE	Joined	6/21/2021, 10:10:43
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Ashutosh Ishwar Jagdale	Joined	AM
		6/21/2021, 10:11:13
SINDHUSHREE GANESHAN	Joined	AM
		6/21/2021, 10:11:20
Bharathiseshan Nagarajan (Guest)	Joined	AM
		6/21/2021, 10:14:24
SURVE VEDANT NILESH	Joined	AM
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47	BAM NIHAR PARAG	Joined	AM
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48	KOTTIKULAM NIKSHIT JANARDHANAN	Joined	AM
			6/21/2021, 10:24:41
49	SHRIDHAR RAJENDRA	Joined	AM
	, ,		6/21/2021, 10:25:10
50	Umesh Srinivas Vadlakonda	Joined	AM
		Joined	6/21/2021, 10:45:33
51	IYER SUBBARAMAN RAVINDRAN	before	AM
		Joined	6/21/2021, 10:45:33
52	ESHANT SHIVRAJ	before	AM
		Joined	6/21/2021, 10:45:33
53	SWAMY VIKHILAN THIRUNAUKARASU	before	AM
		Joined	6/21/2021, 10:45:33
54	CHAUDHARI MIHIR BAPU	before	AM
			6/21/2021, 10:58:47
55	SINGH SHIVANSH SURYABHAN	Joined	AM
			6/21/2021, 11:29:59
56	PATEL KRUNAL INDRAVADAN	Joined	AM
			6/21/2021, 11:38:20
57	RAMBHIA VARSHIL NITIN	Joined	AM
			6/21/2021, 11:40:14
58	KAMBLE TEJAS ASHOK	Joined	AM

#### Feedback:-





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COURSE NAME:

Simulation using ANSYS and CFD

ORGANIZING DEPARTMENT: Mechanical Engineering DATE: 21/06/2021
DURATION: 40 Hours

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

OUTCOMES:

Students will be able to understand and implement knowledge of CAE to solve real life problems

TARGET PARTICIPANTS:

PREREQUISITE:

1) Laptop/PC with minimum 4 GB ram 2) Ansys Student Version

SCHEDULE

1:	Day 1	Day 2	Day 3	Day 4	Day 5
Date	Prof. Ajay S.Hundiwale	Prof. Ajay S.Hundiwale	Prof. Ajay S.Hundiwale	Prof. Ajay S.Hundiwale	Prof. Ajay S.Hundiwale
Resource person	( 10 Am to 12 Pm)	( 10 Am to 12 Pm)	( 10 Am to 12 Pm)	( 10 Am to 12 Pm)	( 10 Am to 12 Pm)
Time	Intoduction to CFD and its applications, overview of Ansys Fluent		Fluid flow simulation in 2D Geometry	Fluid flow simulation in 3D Geometry	Fluid Flow simulation with laminar flow through 3D pipe Heat Exchange
	Practice Session ( 1 Pm to 3 Pm)	Practice Session ( 1 Pm to 3 Pm)	Practice Session (1 Pm to 3 Pm)	Practice Session (1 Pm to 3 Pm)	Practice Session (1
	Assignment/ Activity	Assignment/ Activity (Hands on training)	Assignment/ Activity (Hands on training)	Assignment/ Activity (Hands on training)	Assignment/ Activity (Hands on training)

#### SCHEDULE

2:		Day 2	Day 3	Day 4	Day 5
Resource person	Prof. Chandan Chaudhari ( 10 Am to 12 Pm)		Prof. Chandan Chaudhari ( 10 Am to 12 Pm)	Prof. Chandan Chaudhari (10 Am to 12 Pm)	Prof. Chandan Chaudhari ( 10 Am to 12 Pm)
Time	Introduction to Space- claim and Formulation of 2D and 3D Geometry	CFD Analysis of Jet Impingement on hot surface	Structural Analysis and its validation using ANSYS	Thermal Analysis and its validation using ANSYS	Real life problem based on Structur Module
	Assignment/ Activity Practice Session	Practice Session	Practice Session	Practice Session ( 1 Pm to 3 Pm)	Practice Session (1
	( 1 Pm to 3 Pm) Assignment/ Activity (Hands on training)	( 1 Pm to 3 Pm) Assignment/ Activity (Hands on training)	( 1 Pm to 3 Pm) Assignment/ Activity (Hands on training)	-	Assignment/ Activity (Hands on training)





# South Indian Education Society's GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai. DEPARTMENT OF MECHANICAL ENGINEERING

## Simulation using ANSYS and CFD

Jun 21 to July 03, 2021

#### Click here to register

Computational aided engineering tools are now an essential component of cutting-edge solutions in industries. As a result of this CAE method, the critical region as well as flow regimes in the model can be identified, resulting in component and thermal process optimization. The integrated workflow will cover all engineering tools for decision making in the engineering processes. This training program is meant to be a hands-on type course, giving students opportunity to work on Ansys software and learn various techniques.

#### Prerequisite:

This course is designed to enhance the learning and require prior basic knowledge in the field of Strength of Material and fluid mechanics.

- 1) Laptop/PC with minimum 4 GB ram
- 2) Ansys Student Version

#### **About Instructors:**

This course will be taught by a team of software design researchers from Industry expert and SIESGST faculty.

Prof. Ajay S.Hundiwale Prof. Chandan D.Chaudhari

#### **Course Objectives:**

ANSYS capabilities, terminology, and ANSYS Interactive (GUI).	
How to build Finite Element Models in ANSYS.	
Basic steps of performing a complete CAE analysis.	
Meshing Techniques	
Results Post processing	

#### **Course Outcomes:**

- Students will be able to understand and apply knowledge of ANSYS and CFD in industrial application
- To be able to plot and validate simulation results with analytical or experimental approach



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#### **Course Content:**

Module	Contents	Hours
1.	Introduction to CAE Using ANSYS WORKBENCH-	4 Hrs
	- Introduction to computational theory, various applications	
	of CAE in Industrial Perspective, concept of implicit and	
	explicit analysis, live examples to demonstrate solver	
	theories.	
2.	Introduction to Meshing and Convergence criteria –	4 Hrs
	- Geometric modeling using ANSYS Design Modeler,	
	Concept of meshing and Mesh Metrics statistics, 2D & 3D	
	Mesh generation, Concept of patch independent and patch	
	dependent test criteria, convergence criteria.	
3.	Structural Analysis and its validation –	4 Hrs
	- Problem Definition and converting into 2D or 3D modeler,	_
	Meshing, Mesh Criteria and boundary condition, solver	_
	theory, validation of model using analytical or	
	experimental method.	
4.	Thermal Analysis and its validation –	4 Hrs
	- Problem Definition and converting into 2D or 3D	
	modeller, Meshing, Mesh Criteria and boundary condition,	_
	solver theory, validation of model using analytical or	
	experimental method.	
5.	Introduction to CFD and its application –	4 Hrs
	- Basic of Computational theories and equations, Concept of	
	viscous modeling theory, creating fluid domain in circular	
	pipe and meshing	
6.	Hands on training & overview on Ansys Fluent –	4 Hrs
	- Hands on session to tackle CFD Numerical using ANSYS	
	Fluent Solver	
7.	Flow through pipe –[Laminar & Turbulent pipe ]–	4 Hrs
	- 2D/3D flow visualization and plotting the data using ansys	
	fluent post processor	
8.	Analysis of Jet Impinging Process using ANSYS Fluent-	4 Hrs
	- 2D flow visualization and plotting the data using ansys	
	fluent post processor	
9.	Case study 1 – Real life problem based on Thermal/Fluid Module	4 Hrs
10.	Case Study 2 - Real life problem based on Structural Module	4 Hrs

#### **Assessment:**

1. Students will be assessed based on module wise assignments and quizzes.



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2. Fifteen days internship will be provided in which students have to develop Mini projects based on above concepts.

Course Coordinator – Prof. Ajay S Hundiwale Email – <u>ajayh@sies.edu.in</u> Mobile no - 9423977842

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### SIES Graduate School of Technology, Nerul, Navi Mumbai Department of Mechanical Engineering List of Students For Internship Certificate

Topic - Simulation Using Ansys and CFD (Duration - 21st June 2021 to 3rd July 2021)

Sr. no	Name of the Student	Roll No	Year	Branch
1	Amey Kokate	118A6020	BE	Mechanical
2	Varun V Hatkar	118A6011	BE	Mechanical
3	VAISHNAVI WANI	219A6070	BE	Mechanical
4	NISARG AVINASH KUBAL	118A6025	BE	Mechanical
5	Parayan Anand Kumar	118A6037	BE	Mechanical
6	Vasanthakarthikeyan S	118A6060	BE	Mechanical
7	AFHAN MULLA	118A6031	BE	Mechanical
8	NAIK ROSHAN SHANKARDAS	119A6035	SE	Mechanical
9	Bharathiseshan Nagarajan	119A6004	SE	Mechanical
10	NAIK ROSHAN SHANKARDAS	119A6035	SE	Mechanical
11	Karthik Ravindra Bondanthila	119A6005	SE	Mechanical
12	Ameya Avinash Tulpule	220A6059	SE	Mechanical
13	Rushikesh Niwas Bane	220A6060	SE	Mechanical
14	Nishant Chandrakant More	220A6065	SE	Mechanical
15	SHIVANSH SINGH	119A6045	SE	Mechanical
16	Shivam Varade	119A6053	SE	Mechanical
17	Shubham Varade	119A6054	SE	Mechanical
18	Vedant Surve	119A6049	SE	Mechanical
19	Swamy Vikhilan Thirunaukarasu	119A6050	SE	Mechanical
20	Siddhesh Sawant	119A6044	SE	Mechanical
21	PREETI PATIL	220A6068	SE	Mechanical
22	Nikhil Sachidanandan	220A6066	SE	Mechanical
23	Priyanshu patel	220A6067	SE	Mechanical
24	Joshi Gaurang	119A6016	SE	Mechanical
25	Aniket Jangam	220A6064	SE	Mechanical
26	Ashutosh Ishwar Jagdale	220A6063	SE	Mechanical
27	Gaurang Lele	119A6023	SE	Mechanical
28	Shubham Junghare	119A6017	SE	Mechanical
29	Nihar Bam	119A6003	SE	Mechanical
30	Karthik Ravindra Bondanthila	119A6005	SE	Mechanical
31	Ketan Gaikwad	220A6061	SE	Mechanical
32	Umesh Srinivas Vadlakonda	220A6071	SE	Mechanical
33	PRAJWAL DATTATRAY GHARAT	220A6062	SE	Mechanical
34	Netravati Shetty	220A6070	SE	Mechanical
35	Prayag Uttam Gorule	119A6011	SE	Mechanical
36	Shrutika Phanse	119A6033	SE	Mechanical
37	Yash Sanjay Shinde	119A6041	SE	Mechanical
38	Chinmayee chogale	119A6007	SE	Mechanical
39	khushal tayade	119A6020	SE	Mechanical
40	Vichare Sarvesh Samadhan	119A6056	SE	Mechanical



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41	Vishnu Ramachandran	118A6062	TE	Mechanical
42	lyer Sivaguru Kalyanaraman	118A6014	TE	Mechanical
43	Vedanti Vishnu Palaskar	118A6035	TE	Mechanical
44	eshant shivraj	118A6008	TE	Mechanical
45	Konar Varun	118A6022	TE	Mechanical
46	Subbaraman Iyer	118A6015	TE	Mechanical
47	Siddharth Shridhar	118A6054	TE	Mechanical
48	AKHILESH SRILALAN	118A6002	TE	Mechanical
49	Iyer Sivaguru Kalyanaraman	118A6014	TE	Mechanical
50	Parameswaran Vaidiyanathan	118A6036	TE	Mechanical
51	Varshil Rambhia	118A6045	TE	Mechanical
52	Premkumar Naikar	118A6033	TE	Mechanical
53	Mihir chaudhari	118a6004	TE	Mechanical
54	Meet Mange	118A6029	TE	Mechanical



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# South Indian Education Society's GRADUATE SCHOOL OF TECHNOLOGY, Navi Mumbai. DEPARTMENT OF MECHANICAL ENGINEERING

## 3D Modelling and 3D Printing

June 21 to July 03, 2021

#### Click here to register

Now a days, three-dimensional(3D) modelling is an elementary step for demonstration of solid components used for variety of applications in industry. With important advantages like, quick editing, visualization, rendering of individual and whole assembly, reduce the time to produce the conceptual product and time-to-market. Further development will be dependent on more & more steadfast integration of modelling and analysis for specific application. For the engineering processes, the integrated workflow will cover all engineering tools for conceptual generation and production using 3D printing or additive manufacturing. Additive manufacturing requires data in standard format for conversion of conceptual product to physical product using 3D printing machinery.

This training program is meant to be a hands-on type of course, giving students opportunity to work on 3D modelling software and learn various techniques of solid model generation and 3D printing.

#### **About Instructors:**

This course will be taught by people from industry working in this field and SIESGST faculty.

Prof. Prashant K. Ambadekar

Prof. Siddique J. Ahmed

Mr. Uday Akapasu [Force Motor, Pune Division]

Mr. Viraj Kanchan [Intern at IIT Bombay]

#### Course Objectives:

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To construct a 3D model of the object to be fabricated using 3D printing.

To identify the 3D printing technique to fabricate a particular component.

To design the 3D printing technique by understanding the physics of the technique.

To create a 3D model using the related software.

To design a complete setup for a prototype obtained by 3D printing.

#### **Course Outcomes:**

- To demonstrate different 3D modelling techniques.
- To design a complete 3D printing set up.

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#### **Course Content:**

Module	Contents	Hours
1.	3D Modelling Introduction to tolerance and fits, 2D modelling techniques, 3D modelling techniques. In this module you will learn how to create a 3D model of any object using software and convert it into STL format.	8 hrs
2.	3D Modelling using Reverse Engineering.  Reverse Engineering, 3D modelling using Reverse Engineering In this module you will learn how to create a 3 D model from the actual physical model. The concept of reverse engineering will be demonstrated and the related software will be explained.	8 hrs
3.	Additive Manufacturing 3D printing techniques, 3D printing machinery In this module you will learn about the different additive manufacturing techniques. You will learn these processes in depth along with the physics involved in it.	8 hrs
4.	Software for Slicing In this module you will learn to use the software used in industry for slicing the 3D models created using modelling software.	8 hrs
5.	Case Study and Industry Awareness In this module experts from industry or those working in this field will share their experience with you. They will also present some case study for in-depth exposure to the concept.	8 hrs

#### **Assessment:**

- 1. Students will be assessed based on module wise assignments and quizzes.
- 2. After successful training, fifteen-day internship will be provided in which students have to develop Mini projects based on above concepts.

Course Coordinator – Prof. Prashant K Ambadekar Email Id - <u>prashanta@sies.edu.in</u> Mobile No - 9224636634

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## SIES Graduate School of Technology, Nerul, Navi M Department of Mechanical Engineering List of Students For Internship Certificate

Topic - 3D Modelling and 3D Printing (Duration - 21st June 2021 to 3rd July 2021)

Sr. no	Name of the Student	Roll No	Year
1	Vedant Sudhir Bhalwatkar	118A4003	TE
2	Kshitij Pradeep Sonare	119A4013	SE
3	Muskaan Momin	119A4015	SE
4	Salunkhe Prasad Amol	119A4017	SE
5	Poonam Vishwakarma	119A4023	SE
6	Ashmith Vishwakarmah	119A6002	SE
7	Hariranga Vakati	119A6013	SE
8	KUBAL ROHAN KAMLAKAR	119A6022	SE
9	Parin Pradeep Keni	119A6028	SE
10	Prathamesh Patil	119A6031	SE
11	Nishit salian	119A6038	SE
12	Sidharth Vijayaramesh	219A6069	TE
13	Gada Keval Bharat	117A6009	TE
14	Ayush Parihar	118A6027	TE



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