

List of SDP Conducted in AY 2018-19:

- Eduvance Summer Industrial Training 2018
- Network Security & Ethical Hacking
- Ethical Hacking & Security
- Machine Learning with Python
- PLC Programming From Scratch

Department of Electronics and Telecommunication
Event Report

EDUVANCE SUMMER INDUSTRIAL TRAINING 2018

Event Information

Event Type: SITIP 2018

Event title: Summer Industrial Training and Internship Program on Embedded Systems and IoT

Resource Person: Dr Jonathan Joshi

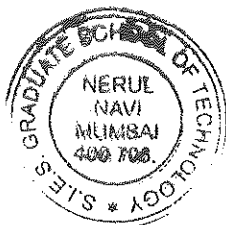
Event date: From: June 19, 2018 To: July 19, 2018

Organized for: Student

Organized by: Shubhangi Kharche

Target audience (branch & nos.): SE and TE EXTC 34 students

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



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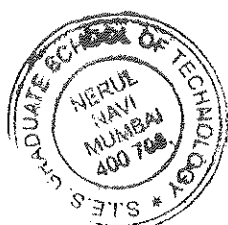
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Sector-V, Nerul, Navi Mumbai-400706

Event Description

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

GRADE DISTRIBUTION

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



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GRADE CUT-OFF

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

LIST OF PROJECTS

- **Shake-it Off**

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

- **Wireless Airmouse**

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

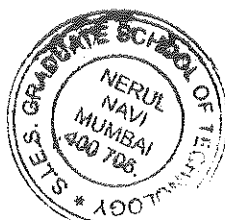
- **IOT On Request**

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

- **Surface Level Indicator**

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

- **Node-Red IBM**



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

- **Data Acquisition system**

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

- **Wireless Data Acquisition system**

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

COURSE OUTCOMES

MBED

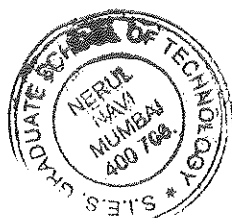
- 1) Students were introduced to ARM microcontrollers, the ARM MBED platform and the MBED online compiler.
- 2) Concepts of digital output and PWM understood using different APIs available on MBED platform.
- 3) Serial communication with computer using FRDM board and Terminal Application learnt.
- 4) Concepts of ADC learnt to interface an LDR and potentiometer with MBED board.
- 5) Students developed deeper understanding of basic C and Object oriented C++ coding.
- 6) Students built final project –A Wireless Data Acquisition System (DAS) using serial communication by uploading data to Thingspeak server through wifi -module via one-to-one communication from Transmitting Mbed board to Receiving Mbed board and plotting the real time output.

PSoC 4200 BLE and Internet of Things

- 1) Concept of Universal Digital Blocks (UDBs) learnt.
- 2) Using the PSoC Creator software for programming PSoC 4200 BLE.
- 2) Configuring various components like PWM and UART on the PSoC Creator software learnt.
- 3) Concepts of serial communication using UART and ADC of PSoC 4200 BLE and Terminal software learnt.
- 4) Internet of Things concepts learnt for different applications like monitoring using online data Stream.
- 5) Creation of an online data stream on Thingspeak and controlling the stream data.

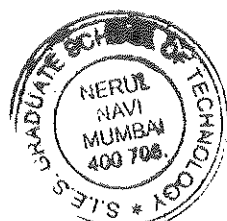
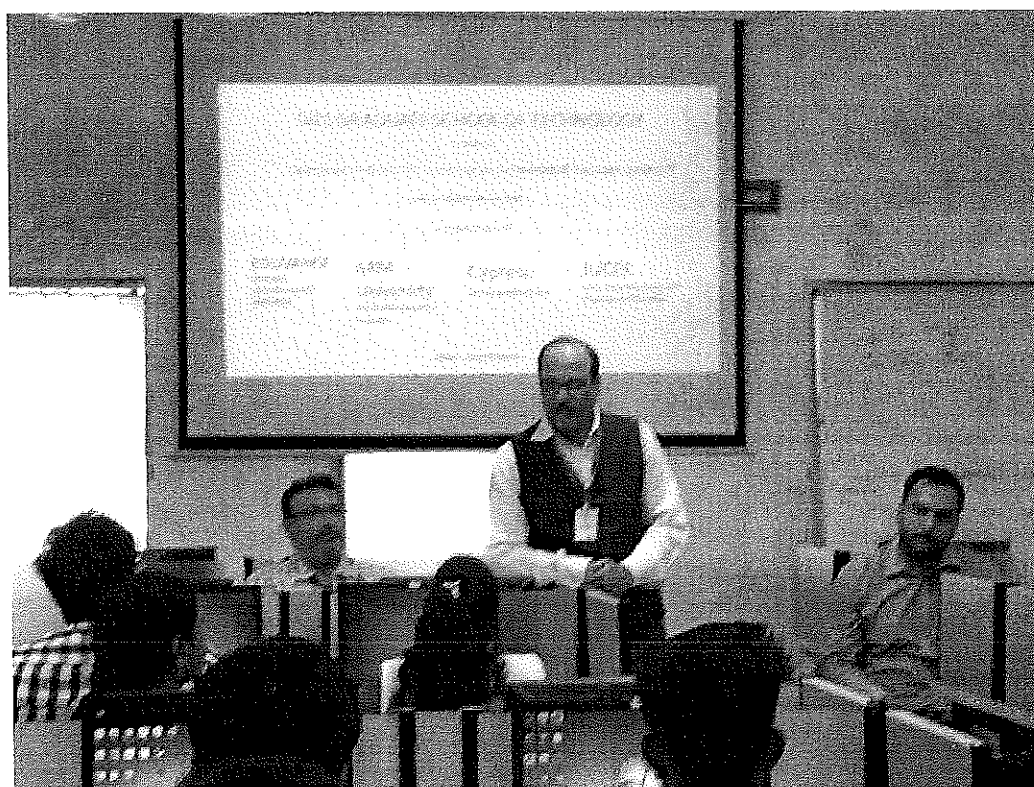
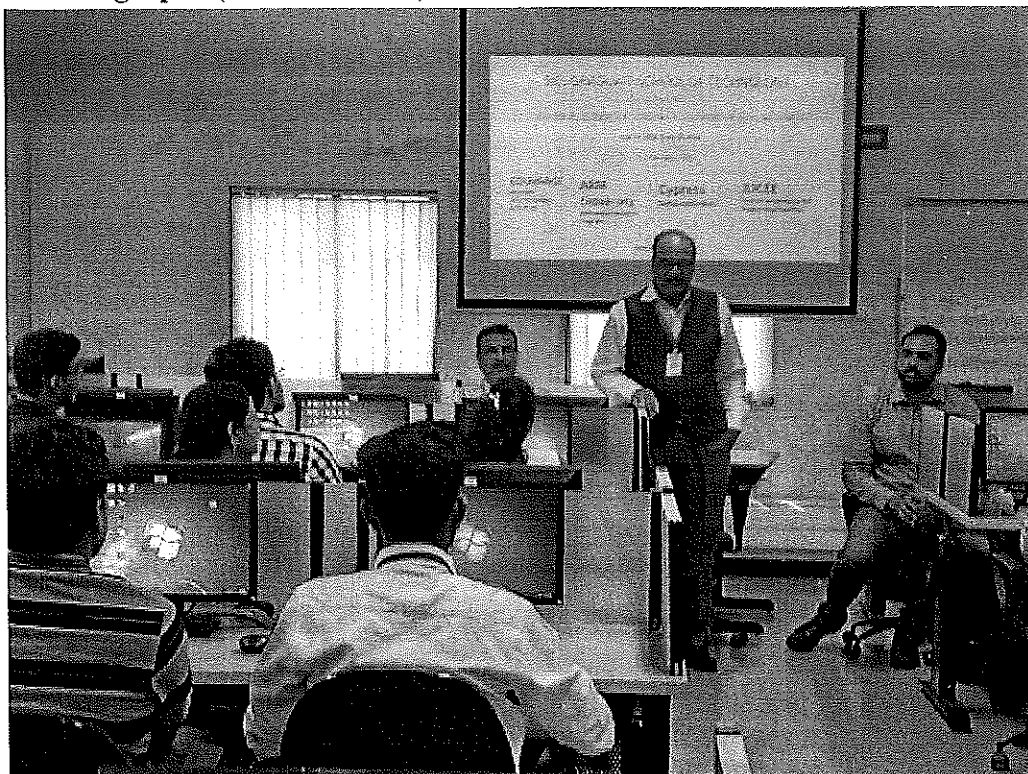
Arduino UNO

- 1) Basics of Arduino and fundamental interfaces with Arduino learnt.
- 2) Using the IDE software for programming Arduino UNO.
- 3) Interfacing of various components like UART and PWM on the IDE software learnt.
- 4) Serial Communications with computer using Arduino UNO and Serial Monitor learnt.
- 5) Basics of other Arduino Platforms learnt.



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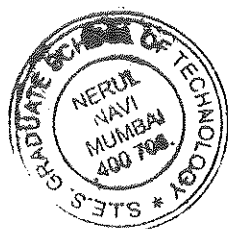
1. Photographs (in JPEG/PNG)




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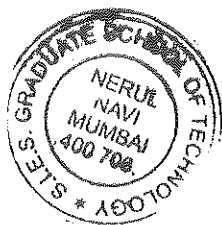
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The instructor had complete knowledge about the relevant topic.	The instructor did a thorough job of evaluating my work.	The instructor helped students master relevant concepts and skills.	Any comment about any instructor on Course? Please be specific.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




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4	3	4	Dilip Sir was very helpful and he made us understand each and every concept thoroughly	Nikunj Sir and Kaustubh Sir were the best TA they were really very helpful in solving our doubts	5	5	2018-09-22 06:05:46	2018-09-22 06:09:02	6e86b772af
5	4	5	The instructor had good knowledge about the topic and was helpful in making us understand each and every topic	The TA were great and helped to solve our doubts and humble enough	5	4	2018-09-22 06:02:54	2018-09-22 06:05:23	6e86b772af
2	2	3		Trainers were more often busy on phone sometimes	3	3	2018-08-14 13:47:20	2018-08-14 13:50:27	fa3c5eca8f
3	4	1	Some of the topics like PSOC were given entirely as home assignments, and we were asked to watch video lectures. But I guess we didn't have enough time		2	2	2018-08-12 14:32:12	2018-08-12 14:35:48	10f77f2500
4	4	4			5	5	2018-08-11 06:41:24	2018-08-11 06:43:44	c45be86715
5	4	4			5	5	2018-08-11 06:08:30	2018-08-11 06:10:15	d68c99b763
4	2	2			1	2	2018-08-11 06:02:47	2018-08-11 06:04:32	e5553813aa
5	5	5			5	5	2018-08-11 06:00:50	2018-08-11 06:02:11	5a1091a0e0



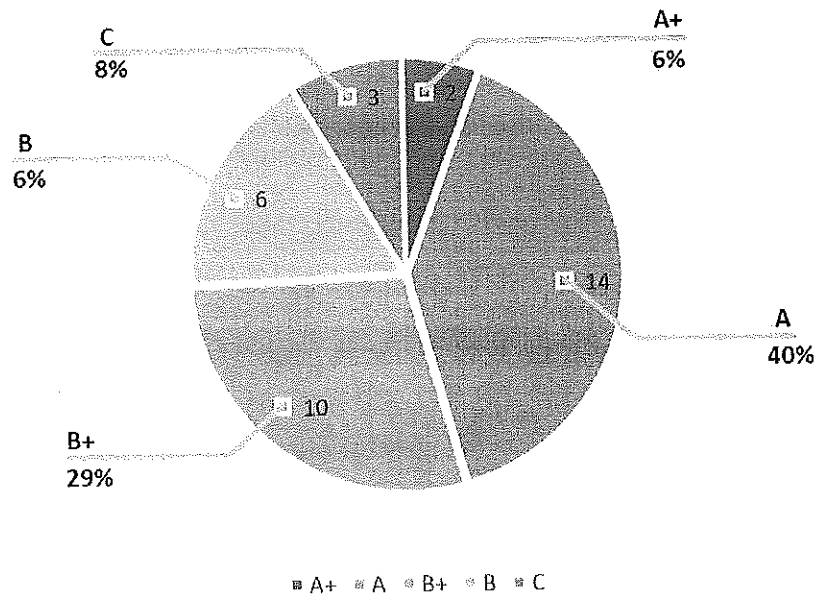

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Impact Analysis:

SIES GST STUDENT GRADE ANALYSIS

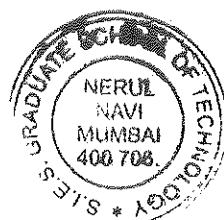
Total Students (EXTC): 34

SIES GST Grade Distribution



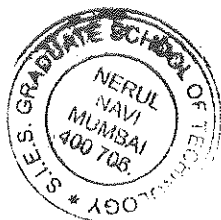
SIT SIES GST STUDENTS


Name	Percentage	Grade	Department
Rajiv Srikrishnakumar Iyer	59.60	B	Electronics and Telecommunication
K.Sriram	63.96	B+	Electronics and Telecommunication
S Anuraag Iyengar	73.13	A	Electronics and Telecommunication



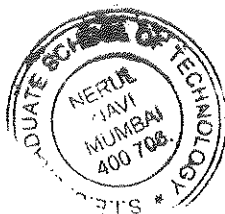
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Suraj Shetty	60.54	B+	Electronics and Telecommunication
Aayush Verma	39.45	C	Electronics and Communication
A J Haravindan	68.40	A	Electronics and Telecommunication
Krutika Vijay Desai	57.20	B	Electronics and Telecommunication
Komal Satish Jawale	59.45	B	Electronics and Telecommunication
Dhruv Kohli	73.65	A	Electronics and Telecommunication
Aditya Kulkarni	56.70	B	Electronics and Telecommunication
Satwik Santosh Chavan	61.82	B+	Electronics and Telecommunication
Jeet Barot	52.76	B	Electronics and Telecommunication
Moiz Bombay	56.79	B	Electronics and Telecommunication
Mansi Vitthal Nandanwar	69.10	A	Electronics and Telecommunication
Poornima Manohar Naidu	73.85	A	Electronics and Telecommunication
Saadat Hilal Mukadam	24.50	C	Electronics and Telecommunication
Sarvesh Chandrakant Kothekar	60.49	B+	Electronics and Telecommunication
Yogesh Shekhar Dalvi	62.34	B+	Electronics and Telecommunication
Diksha Babasaheb Dhaykar	62.61	B+	Electronics and Telecommunication
Aashith Shetty	70.96	A	Electronics and Telecommunication




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Divit Dayakar Shetty	49.76	C	Electronics and Telecommunication
Medhansh Prakash Mahto	76.45	A	Electronics and Telecommunication
Siddhey Santosh Mahadik	63.98	B+	Electronics and Telecommunication
Harshada Jija Pawar	60.44	B+	Electronics and Telecommunication
Kokila Nadar Thanaselvam	62.61	B+	Electronics and Telecommunication
Aamir Naseem Khan	68.93	A	Electronics and Telecommunication
Vignesh Rameshkumar Iyer	73.00	A	Electronics and Telecommunication
Akshayprasad Arunkumar	80.03	A+	Electronics and Telecommunication
Sakshi Subodh Gupte	69.03	A	Electronics and Telecommunication
Jiten Ganesh Kunder	89.41	A+	Electronics and Telecommunication
Kallath Pooja Vijayakumaran	78.83	A	Electronics and Telecommunication
Mrunali Chintaman Dalvi	69.71	A	Electronics and Telecommunication
Aishwarya Nataraja Banawar	75.59	A	Electronics and Telecommunication
Jasan Sukumar	61.21	B+	Electronics and Telecommunication
Mayur Gharat	66.32	A	Electronics and Telecommunication



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SIT SIES GST TOP 3 STUDENTS

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

CERTIFICATE NO: CY189140000289

CERTIFICATE of COMPLETION

THIS IS TO CERTIFY THAT
Ms. Aishwarya Nataraja Banawar

HAS COMPLETED A

**Cypress University Alliance Training Program on
Internet of Things (IoT)**

CONDUCTED BY **EduVance** ON **21th July 2018**

with Grade - A



(Training Manager)



Training Partner



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9th
Legend

Center Of Excellence



E-Security



SIES

Graduate School of
Technology

RISE WITH EDUCATION

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 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.Suvarna Chaure: suvarna.kendre@siesgst.ac.in,

9769455405



A handwritten signature in black ink, appearing to be "dh" or similar, written over the printed name of the Principal.

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Day wise schedule

Day	Session1 9:30-11.00	Session2 11:30-1.00	Session3 1.45 - 3:30	Session 4 4:00-500	feedback
Day 1 18/ 12/ 201 8	Introduction to Computer Network (OSI model/TCP Model/Devic es at each layer KNP	/IP addressing/ Subnetting) KNP	CISCO topology built up SKP	Static routing SKP	quiz
Day 2 19/ 12/ 201 8	Routing Dynamic routing(RIP/ OSPF/EIGR P) PPK	Routing PPK	Switching <i>Basic configurat ion of Layer 2 manageab le switch UNR</i>	Switching UNR	Quiz
Day 3 20/ 12/ 201 8	Port Security UNR	Spanning tree UNR	ACL AMB		
Day 4 21/ 12/ 201	Introduction to security Ethical hacking Aparna	Initial Commands demonstati on and handson	Sniffing using wireshark Tcpdump +Assignm	Assignment on sniffing SVC	



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8	Bannore	1)Dig 2)who is 3)traceroute 4)ifconfig AMB+SV C	ent on sniffing Suvarna VChaure		
Day 5 22/ 12/ 2018	Installation of kali linux	Hacking windows system using Kali linux Metasploit /backtrack AMB	Virus, Steganography, 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 techniques. Report Contents 1. Problem	prof.Sunil K.Panjabi Mail: sunil.punjabi@siesgst .ac.in	Shubham Ambavne Devanshi Mehta Kirti Thakur	




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



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3	Topic 3: Network design 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.aparna@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.kendre@siesgst.ac.in	Mohan Amin Mageshwaran	
7	Title: Network design with multiple VLANs and Single DHCP Server	prof.Priyanka Kadam Mailid :priyanka.kadam@siesgst.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	Prof.Aparna Bannore	Monika Kadam Jaykumar Phadatare	



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	code on github			
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Feedback:

	Email Address	Name :	1. General impression about the content of the course?	2. How well did the content address your expectations?	3. How do you rate the quality of content presented?
p					
12/22/2018					
15:00:15	kirtithakur2125@gmail.com	Kirti thakur	Good	Good	Good
12/22/2018					
15:33:29	pendsedevesh@gmail.com	devesh pendse		Excellent	Outstanding
12/22/2018					
15:35:06	ambavane.shubham217@siesgst.ac	Shubham Ambavane	Very Good	Excellent	Very Good
12/22/2018		Mageshwaran Anbumani			
19:05:48	mageshwaran.mudaliar217@siesgst.ac.in	Mudaliar	Excellent	Excellent	Outstanding
12/22/2018					
20:22:57	mrinali9886@gmail.com	Mrunali Ranganat Pissal	Very Good	Very Good	Very Good
12/23/2018					
15:30:09	nikhil.belose217@siesgst.ac.in	Nikhil Belose	Excellent	Excellent	Outstanding
12/23/2018					
19:13:18	shashankchavan07@gmail.com	Shashank Chavan	Excellent	Very Good	Very Good
12/28/2018					
16:36:53	sahil.nande17@siesgst.ac.in	Sahil Nande	Outstanding	Excellent	Excellent
12/28/2018					
19:26:46	thakur.kirti217@siesgst.ac.in	Kirti Chandrakant Thakur	Outstanding	Outstanding	Outstanding
12/29/2018					
21:28:15	manudhane.sarvesh17@siesgst.ac.in	Sarvesh Manudhane	Excellent	Very Good	Very Good
1/24/2019					
16:34:08	devanshimehta625.dm@gmail.com	Devanshi Mehta	Outstanding	Outstanding	Excellent
1/25/2019					
16:47:15	jayadev.sitaraman17@siesgst.ac.in	Jayadev Sitaraman	Outstanding	Outstanding	Outstanding

Certificate:




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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

June 10-15, 2019, 9.30 AM to 5.00

PM

Ethical hacking is an emerging tool 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, 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.



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

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: suvarna.kendre@siesgst.ac.in, 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)tracroute 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	



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	on sniffing Suvarna VChaire			cracking John the ripper SVC	
Day 3 12/06/20 19	Kali linux installation Backtrack Metasploit AMB	Exploiting 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.



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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	



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Industry Institute Interaction Cell

AICTE CII Survey Curriculum(Student) Input Activity Report

<p align="center">Title of the Activity</p> <p align="center">(Student Internship/Student Industrial Visit/Visiting faculty from Industry/Guest Lecture)</p>

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. 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 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 and mitigating threats.

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

Outcomes:

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

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

Attendees:

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

Session: Major topics covered during the workshop are

- 1) Basics of Networking Hack by Prof. Kalyani P
- 2) Scanning and sniffing using open source tools by Prof. Suvarna Choure
- 3) Password cracking by Prof. Suvarna Choure
- 4) Metasploit Framework Prof. Aparna Bannore
- 5) Introduction to Blockchain : Dr. Rizwana Shaikh
- 6) SQL Injection, CSS and Malware detection by Prof. Ujwala Ravale
- 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: Keylogger keylogger (windows OS)

Project 3: Steganography using windows OS using Openstego

Project 4: Angry IP scanner (Windows OS)

Project 5: Web vulnerability scanner : netSparkar

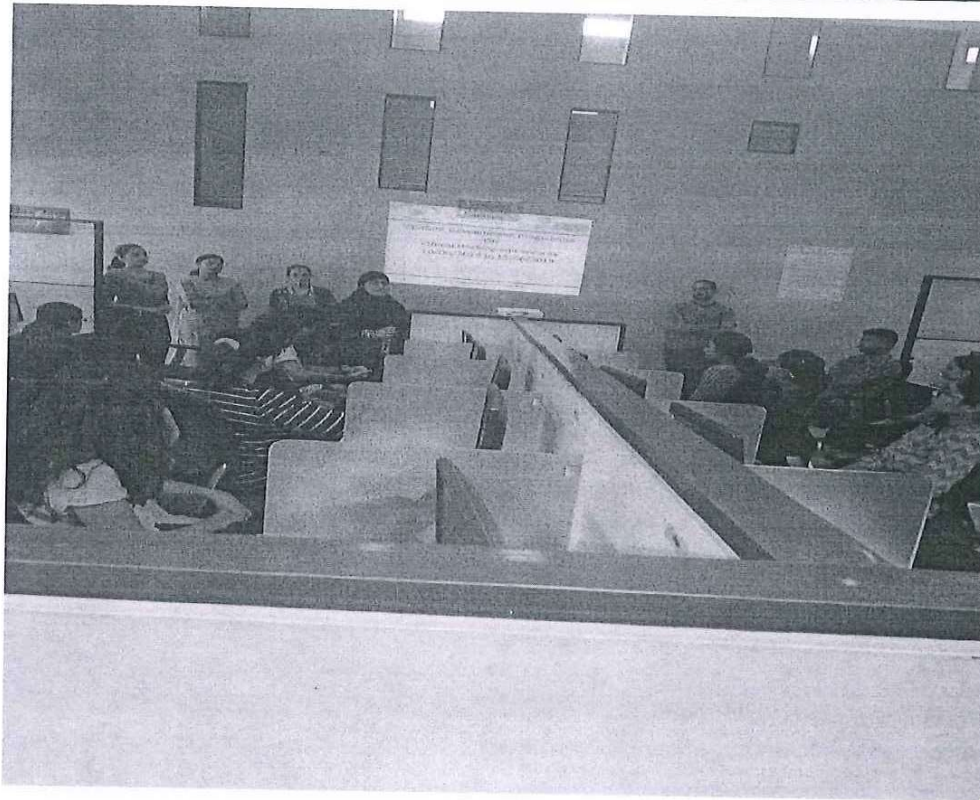
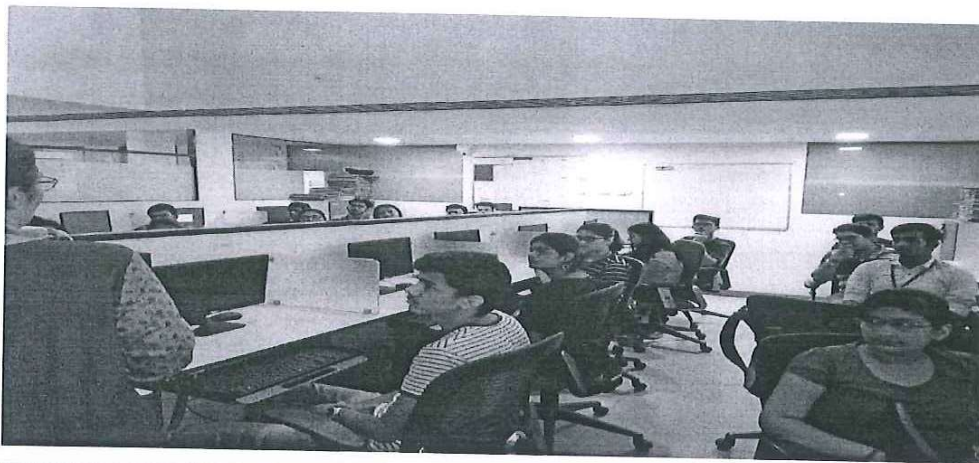
Project 6: SQLmap using Kali Linux

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.

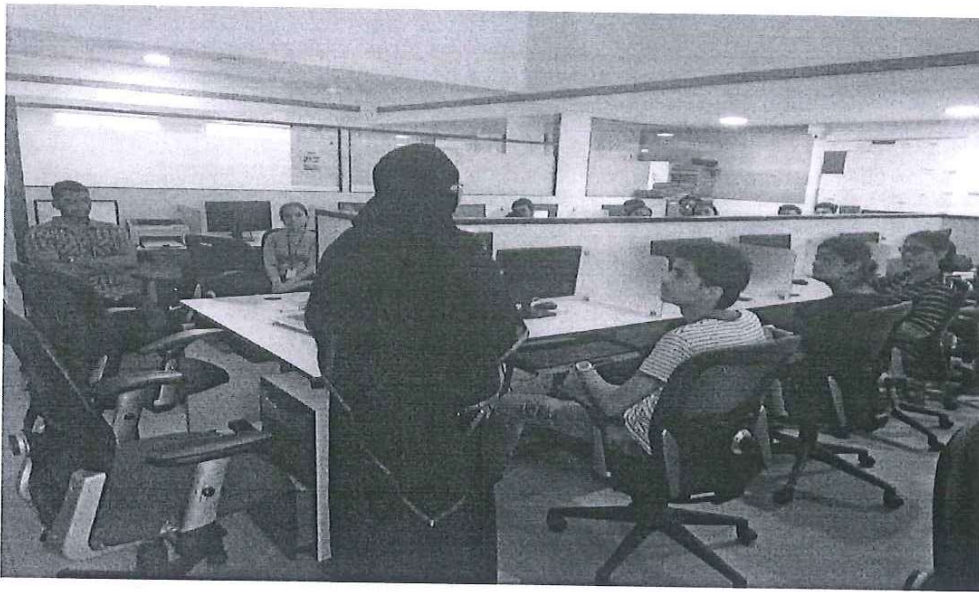


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Impact Analysis

- 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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5 days Student Development Program on "Machine Learning with Python"

Status : Ongoing, Internship will start in the month of Dec 2018

Date: August 04, August 11, August 17, August 25, September 21, 2018

Trainers: Prof. Shyamala Mathi, Prof. Rupal M, Prof. Vaishali Bhujade, Prof. Varsha Mali , Dr. Vijay K(SIESGST)

Duration: 5 days workshop followed by one month internship

OBJECTIVE AND GOALS:

This student development program aims at providing participants with the latest and general-purpose machine learning algorithms. At the same time, the training aims to deliver some common threads, or a common knowledge base, which can be used in the future for learning a wide range of algorithms.

SESSION :

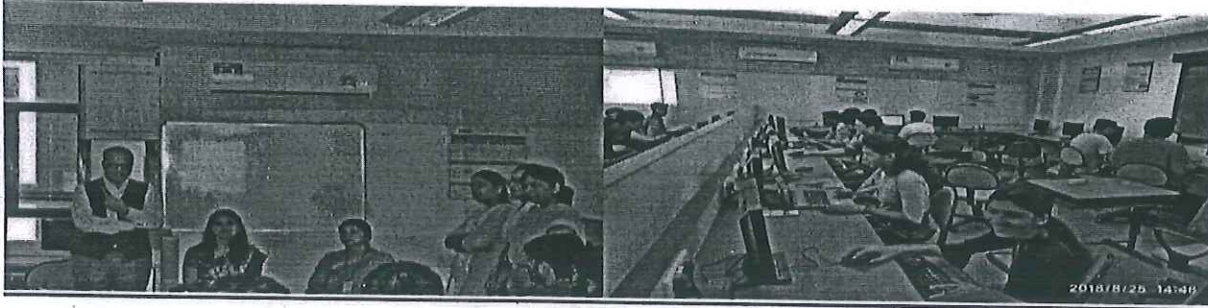
CoE-DSDP faculties have conducted five days student development program on "Machine Learning with R" with following content,

- Module 1:** What is Machine Learning?
- Module 2:** Performance measures
- Module 3:** Classification, Regression – Linear and logistics
- Module 4:** Clustering
- Module 5:** Prediction, Support Vector Machines, PCA
- Project Implementation**

ATTENDANCE & INFRASTRUCTURE:

Around 30 students registered for the SDP. Out which 28 students attended this SDP. During this SDP daily Assignments were given and day wise feedback has collected. Students are also assigned Machine Learning Projects

PHOTOS:



FEEDBACK:

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

HEAD
Department of Information Technology
S.I.E.S. Graduate School of Technology
Sri Chandrasekarendra Saraswathy Vidyapuram
Plot-1-C & E, Sector-V, Nerul, Navi Mumbai-400706



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SIES GRADUATE SCHOOL OF TECHNOLOGY
Center of Excellence in Data Science and Deep Learning
SDP on "Machine Learning with Python"

Attendance

Date 4/8/2018

Sr. No	Full Name	PRN NUMBER	Mobile No	Email Address	Session I	Session II	Branch
1	Avantika Mahalingam	117A3045		avantilingam@gmail.com			
2	Tanaya Badve	117A3007		badve.tanaya15@siesgst.ac.in			
3	Arpita Rane	115A1081 117A2046	9544647884	arpita.arpita15@siesgst.ac.in			C-E
4	Maithili Pathak	117A1001		maithili.pathak16@siesgst.ac.in			
7	Rakshita Bakalkar	115A1036 117A3042	981913720	rakshita.bakalkar15@siesgst.ac.in			C.E.
8	Aditya Krishnan	117A2050		aditya.krishnan15@siesgst.ac.in			
9	Karthik shankar	117A1070		karthik.shankar16@siesgst.ac.in			
12	AVIRAL OJHA	117A1012		ojha.aviral15@siesgst.ac.in			
13	Mukesh Choudhary	115A3017		mukesh.choudhary15@siesgst.ac.in			I.T.
15	Ajun Nair	117A3013		ajun.nair16@siesgst.ac.in			
16	Shreyas Mudaliar	115A3039 117A1077		shreyas.mudaliar15@siesgst.ac.in			I.T.
17	Unmesha kupekar	49		unmesha.kupekar216@siesgst.ac.in			
18	Abila Saravanabhavan	117A1083		abila.saravanabhavan15@siesgst.ac.in			
19	Anuja Reddy	116A3047 117A4060	9146407331	anuja.reddy16@siesgst.ac.in			I.T
20	Sunil Poojari	217A3071 117A3045	9870672470	sunil.poojari217@siesgst.ac.in			I.T



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Sri Chandrasekhar Saraswathi Vidyapeetham
Sector - V, Nerul, Navi Mumbai - 400706

21	Thapar Siddhant	115A1001			siddhant.thapar16@siesgst.ac.in			
22	Pritam Negi	115A1070 146A2442	8291036812		pritam.negi15@siesgst.ac.in	Pnegi	Pnegi	CE
23	Abhirup Kamath	116A2045			abhirup.kamath16@siesgst.ac.in			
24	Girish Pushkaran	116A1063 145A2004	9892983107		girish.pulinkala16@siesgst.ac.in	lucun	lucun	CE
25	Mahalakshmi.Chell appan	115A1034			mahalakshmi19@gmail.com			
26	Pawar Pitambar Chandrakant	216A2136 145A1090			pitambar.pawar216@siesgst.ac.in	P.C.Pawar	P.C.Pawar	
27	Ashit Sapaliga	115A1072			ashit.sapalaiga16@siesgst.ac.in			
28	chaitanya d r	115A3017			chaitanya.chaitanya15@siesgst.ac.in			
29	Princy Stella John	115A3039			princy.nadar16@siesgst.ac.in			
30	Narayanmoorthy	216A1106			narayanmoorthy15@siesgst.ac.in			
31	Ajay Katti	216A2136			ajay.katti16@siesgst.ac.in			
32	Aayush Shetty	116A1074 145A2044	8879249710		aayush.shetty16@siesgst.ac.in	Shetty	Shetty	CE
33	Omkar	115A083			omkar.tawade15@siesgst.ac.in			
34	Shuaib basha	115A1029			shuaib.basha15@siesgst.ac.in			
35	Jane Dâ€™souza	115A3021			jane.dsouza15@siesgst.ac.in	Jane D'souza	Jane D'souza	CE
36	Neclam	116A1012			neclam.chaurasia16@siesgst.ac.in	Neclam	Neclam	
37	Aniket H. Chavan	216A3058			aniket.chavan216@siesgst.ac.in	Aniket	Aniket	IT
38	Akshara Saji	115A1004	8080854605		akshara.saji15@siesgst.ac.in	Akshara	Akshara	CE
39	Ajay Katti	145A1097						

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Sector-V, Nerul, Navi Mumbai-400706



40	NEHA JAGTAP	116A1031	992008766	neha.jagtap16@siesgst.ac.in	Neeraj	Neeraj	CE
41	KAVITA HEGDE	116A1026	9819511280	kavita.hegde16@siesgst.ac.in	Neeraj	Neeraj	CE
42	APURVA MHATRE	116A1045	9987632507	apurva.mhatre16@siesgst.ac.in	Neeraj	Neeraj	CE
43	Pranav Pradeep	116A1061	8879953818	pradeep.pranav16@siesgst.ac.in	Neeraj	Neeraj	CE
44	Ramakrishnan.V	116A1065	8454069811	ramakrishnan.vanumamalai16@siesgst.ac.in	Neeraj	Neeraj	CE
45	Rahul Shrivastava	116A1064	9969394991	ra.hul.shrivastava16@siesgst.ac.in	Neeraj	Neeraj	CE
46	Varun Tadpatra	116A1084	8434999050	varun.tadpatra16@siesgst.ac.in	Neeraj	Neeraj	CE
47	Akshat Shetty	116A1075	9664551265	akshat.shetty16@siesgst.ac.in	Neeraj	Neeraj	CE
48	Vivek Bhanushali	116A1007	9769695403	vivek.bhanushali16@siesgst.ac.in	Neeraj	Neeraj	CE
49	Akilesh Panicker	116A1051	9136347580	akilesh.panicker16@siesgst.ac.in	Neeraj	Neeraj	CE
50	Darshana-B	116A1006	01967928968	darshana.bhagat16@nsgst.ac.in	Neeraj	Neeraj	CE
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SIES GRADUATE SCHOOL OF TECHNOLOGY

Center of Excellence in Data Science and Deep Learning

SDP on "Machine Learning with Python"

Attendance

Date 11/8/2018

Sr. No	Full Name	PRN NUMBER	Mobile No	Email Address	Session I	Session II	Branch
1	Avantika Mahalingam	117A3045		avantilingam@gmail.com			
2	Tanaya Badve	117A3007		badve.tanaya15@siesgst.ac.in			
3	Arpita Rane	115A1081 447A2046	959464188	arpita.arpita15@siesgst.ac.in			CE
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7	Rakshita Bakalkar	115A1036 447A3042	9819913120	rakshita.bakalkar15@siesgst.ac.in			CE
8	Aditya Krishnan	117A2050		aditya.krishnan15@siesgst.ac.in			
9	Karthik shankar	117A1070		karthik.shankar16@siesgst.ac.in			
12	AVIRAL OJHA	117A1012		ojha.aviral15@siesgst.ac.in			
13	Mukesh Choudhary	1		mukesh.choudhary15@siesgst.ac.in			
15	Ajun Nair	117A3013		ajun.nair16@siesgst.ac.in			
16	Shreyas Mudaliar	117A1077		shreyas.mudaliar15@siesgst.ac.in			
17	Unmesha kupekar	49		unmesha.kupekar216@siesgst.ac.in			
18	Abila Saravanabhavan	117A1083		abila.saravanabhavan15@siesgst.ac.in			
19	Anuja Reddy	117A1050		anuja.reddy16@siesgst.ac.in			
20	Sunil Poojari	217A3071 117A3015	9876672470	sunil.poojari217@siesgst.ac.in			



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Sector-V, Nerul, Navi Mumbai - 400706

21	Thapar Siddhant	115A1001			siddhant.thapar16@siesgst.ac.in			
22	Pritam Negi	115A1070 116A2142	8291036812		pritam.negi15@siesgst.ac.in	P Negi	P Negi	CE
23	Abhirup Kamath	116A2045			abhirup.kamath16@siesgst.ac.in			
24	Girish Pushkaran	115A2004			girish.pulinkala16@siesgst.ac.in			
25	Mahalakshmi.Chellappan	115A1034			mahalakshmi19@gmail.com			
26	Pawar Pitambar Chandrakant	115A1036			pitambar.pawar216@siesgst.ac.in			
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33	Omkar	115A083			omkar.tawade15@siesgst.ac.in			
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35	Jane Dâ€™souza	115A1045 115A3024			jane.dsouza15@siesgst.ac.in			
36	Kajal Kartige	116A1035			kajal.kartige16@siesgst.ac.in			
37	Darshana.B	116A1006			darshana.bhagitt16@siesgst.ac.in			
38	Apurva Mhabe	116A1045			apurva.mhabe16@siesgst.ac.in			
39	Pranav Pradeep	116A1061			pradeep.pranav16@siesgst.ac.in			

40	Ramakrishnan V	116A1065	8454069811	ramakrishnan.vonnamakal16@siesgst.ac.in	<u>Ram</u>	<u>Ram</u>	CE
41	Vivek Bhanushali	116A1007	9769695403	vivek.bhanushali16@siesgst.ac.in	<u>Vivek</u>	<u>Vivek</u>	CE
42	Akilesh Panicker	116A1051	9136317580	akilesh.panicker16@siesgst.ac.in	<u>Akilesh</u>	<u>Akilesh</u>	CE
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SIES GRADUATE SCHOOL OF TECHNOLOGY

Center of Excellence in Data Science and Deep Learning

SDP on "Machine Learning with Python"

Attendance

Date 25/08/2018

Sr. No	Full Name	PRN NUMBER	Branch	Mobile No	Email Address	Session I	Session II
1	Avantika Mahalingam	116A1005 447A3045	CE	9220053042	avantilingam@gmail.com		
2	Mukesh Choudhary	115A3017	IT	8082606883	mukesh.choudhary15@siesgst.ac.in		
3	Shreyas Mudaliar	115A3039 147A1077	IT	842203189	shreyas.mudaliar15@siesgst.ac.in		
4	Anuja Reddy	117A1050			anuja.reddy16@siesgst.ac.in		
5	Sunil Poojari	217A3071 447A3045	IT	9870672470	sunil.poojari217@siesgst.ac.in		
6	Pritam Negi	115A1070 116A2142	CE	829103812	pritam.negi15@siesgst.ac.in		
7	Mahalakshmi.Chell appan	116A2045 445A1034	EXTC	84337823	mahalakshmi19@gmail.com		
8	Pawar Pitambar Chandrakant	216A2136 445A1036	EXTC	95947011	pitambar.pawar216@siesgst.ac.in		
9	Narayanmoorthy	216A1106			narayanmoorthy15@siesgst.ac.in		
10	Aayush Shetty	116A1074 445A3044	CE	8879249710	aayush.shetty16@siesgst.ac.in		
11	Jane Dâ€™souza	115A3021	CE	983316200	jane.dsouza15@siesgst.ac.in		
12	Sourmya Kulkarni	116A1040	CE	703983552	sourmya.kulkarni16@siesgst.ac.in		
13	Aniket chavan	216A3058	IT	983347030	aniket.chavan216@siesgst.ac.in		
14	Ramakrishnan	116A1065	CE	8454069811	ramakrishnan.vanunamalai16@siesgst.ac.in		
15	Pranav Pradeep	116A1061	CE	887995388	pradeep.pranav16@siesgst.ac.in		



16	Siddhesh M.	116A3032	IT	9167630862	siddhesh.menon16@siesgst.ac.in	Siddhesh	9167630862
17	Apurva Mhatre	116A1045	C.E.	9987632507	apurva.mhatre16@siesgst.ac.in	AM	
18	Fariha M. Farooq	115A1006	CE	9821048402	fariha.farooq15@siesgst.ac.in	Fariha	
19	Abila S	115A1001	CE	9769897268	abila.saravambhavan@siesgst.ac.in	Abila	
20	Anuja Reddy	116A3047	IT	7146407331	anuja.reddy16@siesgst.ac.in	Anuja	
21	Vivek Bhanushali	116A1007	CE	9769695403	vivek.bhanushali16@siesgst.ac.in	Vivek	
22	Neelam Chaurasia	116A1012	CE	9167910726	neelam.chaurasia16@siesgst.ac.in	Neelam	
23	Kavita Hegde	116A1026	CE	9819511280	kavita.hegde16@siesgst.ac.in	Kavita	
24	Darshana B.	116A1006	CE	9967929918	darshana.bhargava16@siesgst.ac.in	Darshana	
25	Prinny Nadar	116A3037	IT	9004257237	prinny.nadar16@siesgst.ac.in	Prinny	
26	Rahul S. Wavur	116A1064	CE	9967929918 9967929918	rahul.s.wavur16@siesgst.ac.in	Rahul	
27	Varun Tadpatar	116A1086	C.E.	8454999050	varun.tadpatar16@siesgst.ac.in	Varun	
28	Akshat Swamy	116A1075	CE	9166455285	akshat.swamy16@siesgst.ac.in	Akshat	
29	Akilesh Panicker	116A1051	CE	9136347580	akilesh.panicker16@siesgst.ac.in	Akilesh	
30	Neha Jaytap	116A1031	CE	9920087266	neha.jaytap16@siesgst.ac.in	Neha	



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Center of Excellence in Data Science and Deep Learning

SDP on "Machine Learning with Python"

Attendance Day 5

Date 29/09/2018

Sr. No	Full Name	PRN NUMBER	Branch	Mobile No	Email Address	Session I	Session II
1	Avantika Mahalingam	116A1005 117A3045	CE	9220053042	avantilingam@gmail.com	<i>Avantika</i>	<i>Avantika</i>
2	Mukesh Choudhary	115A3017	IT	8082606883	mukesh.choudhary15@siesgst.ac.in	<i>Mukesh</i>	<i>Mukesh</i>
3	Shreyas Mudaliar	115A3034 117A1047	IT	8422031619	shreyas.mudaliar15@siesgst.ac.in	<i>Shreyas</i>	<i>Shreyas</i>
4	Anuja Reddy	116A3047 117A1050	IT	9146407331	anuja.reddy16@siesgst.ac.in	<i>Anuja</i>	<i>Anuja</i>
5	Sunil Poojari	117A3015			sunil.poojari217@siesgst.ac.in		
6	Pritam Negi	116A2112			pritam.negi15@siesgst.ac.in		
7	Mahalakshmi.Chell appan	115A1034			mahalakshmi19@gmail.com		
8	Pawar Pitambar Chandrakant	115A1036			pitambar.pawar216@siesgst.ac.in		
9	Narayanmoorthy	216A1106			narayanmoorthy15@siesgst.ac.in		
10	Aayush Shetty	116A1074 115A2014	CE	8879249710	aayush.shetty16@siesgst.ac.in	<i>Aayush</i>	<i>Aayush</i>
11	Jane Dae™souza	115A3021	CE	9823169220	jane.dsouza15@siesgst.ac.in	<i>Jane</i>	<i>Jane</i>
12	Soummya Kulkarni	116A1040	CE	7039835572	soummya.kulkarni16@siesgst.ac.in	<i>Soummya</i>	<i>Soummya</i>
13	Aniket chavan	216A3058	IT	9833347083	aniket.chavan216@siesgst.ac.in	<i>Aniket</i>	<i>Aniket</i>
14	Ramakrishnan						
15	Pranav Pradeep	116A1061	CE	8879953818	pradeep.pranav16@siesgst.ac.in	<i>Pranav</i>	<i>Pranav</i>



16	Rakshita Bakalkar	115A1036	CE	9819913720	rakshita.bakalkar15@siesgst.ac.in	Princip	Princip
17	Arpita C. Rane	115A1081	CE	959464788	arpita.arpita15@siesgst.ac.in	Princip	Princip
18	Neelam Chaurasia	116A1012	CE	9167910776	neelam.chaurasia16@siesgst.ac.in	Princip	Princip
19	Princy Nadar	116A1037	IT	900425423	princy.nadar16@siesgst.ac.in	Princip	Princip
20	Darshana Bhagat	116A1040	CE	996792898	darshana.bhagat16@siesgst.ac.in	Princip	Princip
21	Geetha Pulkar	116A1063	CE	9892980907	geetha.pulkar16@siesgst.ac.in	Princip	Princip
22	Akshat Shetty	116A1075	CE	966455085	akshat.shetty16@siesgst.ac.in	Princip	Princip
23	Rahul Sharma	116A1064	CE	99693949	rahul.sharma16@siesgst.ac.in	Princip	Princip
24	Varun Tadpatra	116A1086	CE	8454999050	varun.tadpatra16@siesgst.ac.in	Princip	Princip
25	Ramakrishnan V	116A1065	CE	8454069811	ramakrishnan.varunamamali16@siesgst.ac.in	Princip	Princip
26	Apurna Mhatre	116A1045	CE	9987632507	apurna.mhatre16@siesgst.ac.in	Princip	Princip
27	Bhanushali Vivek	116A1007	CE	9769695403	vivek.bhanushali16@siesgst.ac.in	Princip	Princip
28							
29							
30							



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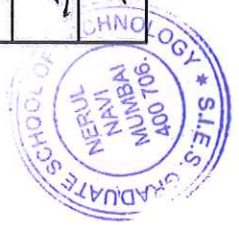
Center of Excellence in Data Science and Deep Learning

SDP on "Machine Learning with Python"

Attendance Day 4

Date /09/2018

Sr. No	Full Name	PRN NUMBER	Branch	Mobile No	Email Address	Session I	Session II
1	Avantika Mahalingam	116A1005 117A3045	CE	9220053042	avantilingam@gmail.com	<i>Avantika</i>	<i>Avantika</i>
2	Mukesh Choudhary	115A3017	IT	8082606883	mukesh.choudhary15@siesgst.ac.in	<i>Mukesh</i>	<i>Mukesh</i>
3	Shreyas Mudaliar	115A3034 147A1077	IT	8422031619	shreyas.mudaliar15@siesgst.ac.in	<i>Shreyas</i>	<i>Shreyas</i>
4	Anuja Reddy	116A3047 147A1050	IT	9146407331	anuja.reddy16@siesgst.ac.in	<i>Anuja</i>	<i>Anuja</i>
5	Sunil Poojari	117A3015			sunil.poojari217@siesgst.ac.in		
6	Pritam Negi	115A1070 116A2442	CE	8291036812	pritam.negi15@siesgst.ac.in		
7	Mahalakshmi.Chell appan	115A1034			mahalakshmi19@gmail.com		
8	Pawar Pitambar Chandrakant	115A1036			pitambar.pawar216@siesgst.ac.in		
9	Narayanmoorthy	216A1106			narayanmoorthy15@siesgst.ac.in		
10	Aayush Shetty	116A1074 115A2014	CE	8879249710	aayush.shetty16@siesgst.ac.in	<i>Aayush</i>	<i>Aayush</i>
11	Jane Daes™souza	115A3021	CE	983316960	jane.dsouza15@siesgst.ac.in	<i>Jane</i>	<i>Jane</i>
12	Soummya Kulkarni	116A1040	CE	703943592	soummya.kulkarni16@siesgst.ac.in	<i>Soummya</i>	<i>Soummya</i>
13	Aniket chavan	216A3058	IT	983347083	aniket.chavan216@siesgst.ac.in	<i>Aniket</i>	<i>Aniket</i>
14	Ramakrishnan						
15	Pranav Pradeep	116A1061	CE	8879953818	pradeep.pranav16@siesgst.ac.in	<i>Pranav</i>	<i>Pranav</i>



Sr. No	Full Name	PRN NUMBER	Branch	Mobile No	Email Address	Session I	Session II
16	Rakshita Bakalkar	11SA1036	CE	9819913120	rakshita.bakalkar15@ siesgst.ac.in	Rakshita Bakalkar	Rakshita Bakalkar
17	Princy Nodar	116A3037	IT	9004257237	Princy.nadar16@siesgst.ac.in	Princy Nodar	Princy Nodar
18	Aspita C. Rane	11SA1081	CE	9594647886	aspita.aspita15@ siesgst.ac.in	Aspita C. Rane	Aspita C. Rane
19	Neelam Chauhan	116A1012	CE	9167910716	neelam.chauhan16@siesgst.ac.in	Neelam Chauhan	Neelam Chauhan
20	Darshana Bhagat	116A1040	CE	7039835512	darshana.bhagat16@ siesgst.ac.in	Darshana Bhagat	Darshana Bhagat
21	Akshita Shetty	116A1075	CE	9665552866	akshita.shetty16@siesgst.ac.in	Akshita Shetty	Akshita Shetty
22	Girish P. H. H. H.	116A1063	CE	9892984907	gms.h.pulinkala16@siesgst.ac.in	Girish P. H. H.	Girish P. H. H.
23	APURNA MATHRE	116A1045	CE	9987632597	apurna.mathre16@siesgst.ac.in	Apurna Mathre	Apurna Mathre
24	Vivek Bhanushali	116A1007	CE	9769695403	Vivek.Bhanushali@siesgst.ac.in	Vivek Bhanushali	Vivek Bhanushali
25	Akhillesh Panicker	116A1051	CE	9136347580	akhillesh.panicker16@siesgst.ac.in	Akhillesh Panicker	Akhillesh Panicker
26	Ritika Hirave	115A3024	IT	8452076532	ritika.hirave15@siesgst.ac.in	Ritika Hirave	Ritika Hirave
27	Ramakrishnan V	116A1065	CE	8454069811	ramakrishnan.vanumamalai16@ siesgst.ac.in	Ramakrishnan V	Ramakrishnan V
28	Rahul Shrivastava	116A1064	CE	9669394091	rahul.shrivastava16@siesgst.ac.in	Rahul Shrivastava	Rahul Shrivastava
29							
30							

HEAD

Department of Information Technology
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RISE WITH EDUCATION

NAAC Accredited B++

NBA Accredited

This is to certify that following students have completed SDP on
"Machine Learning with Python" from
"04th August to 29th September, 2018 (Every Saturday)" successfully.

Sr. No	Name
1	Avantika Mahalingam
2	Mukesh Choudhary
3	Shreyas Mudaliar
4	Anuja Reddy
5	Aayush Shetty
6	Jane Daesouza
7	Soumya Kulkarni
8	Aniket Chavan
9	Pranav Pradeep
10	Rakshita Bakalkar
11	Arpita Rane

Sr. No	Name
12	Neelam Chavrasia
13	Princy Nadar
14	Darshna Bhagit
15	Girish Pushkaran
16	Akshit Shetty
17	Rahul Sharma
18	Varun Tadpatril
19	RamaKrishnan V.
20	Apurva Mhatre
21	Bhanushali Vivek

Dr. K. Lakshmisudha

HoD

HEAD Information Technology

Department of Information Technology
S. J. E. S. Graduate School of Technology
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Plot-1-C&E, Sector-V, Nerul, Navi Mumbai-400706

Dr. Atul Kemkar

Principal

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Sri Chandrasekarendra Saraswathy Vidyapuram, Sector V, Nerul, Navi Mumbai - 400 706.

Tel: 6108 2402 • Fax : 2771 8779 • E-mail : principalgst@sies.edu.in

www.siesgst.edu.in

**Organize a
5 days Hands on Training on
PLC Programming From Scratch
24-29 DEC 2018**

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

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

OBJECTIVES

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

COURSE CONTENT

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

WHO SHOULD ATTEND

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

Course Fees

Free of charge

Contact for Registration

Prof. Abhishek Kadam
Mobile: 9730032260
Email ID: kadam.abhishek@siesgst.ac.in

Dr. Pradip P Patil
Mobile: 9869829395
Email ID: pradip.patil@siesgst.ac.in

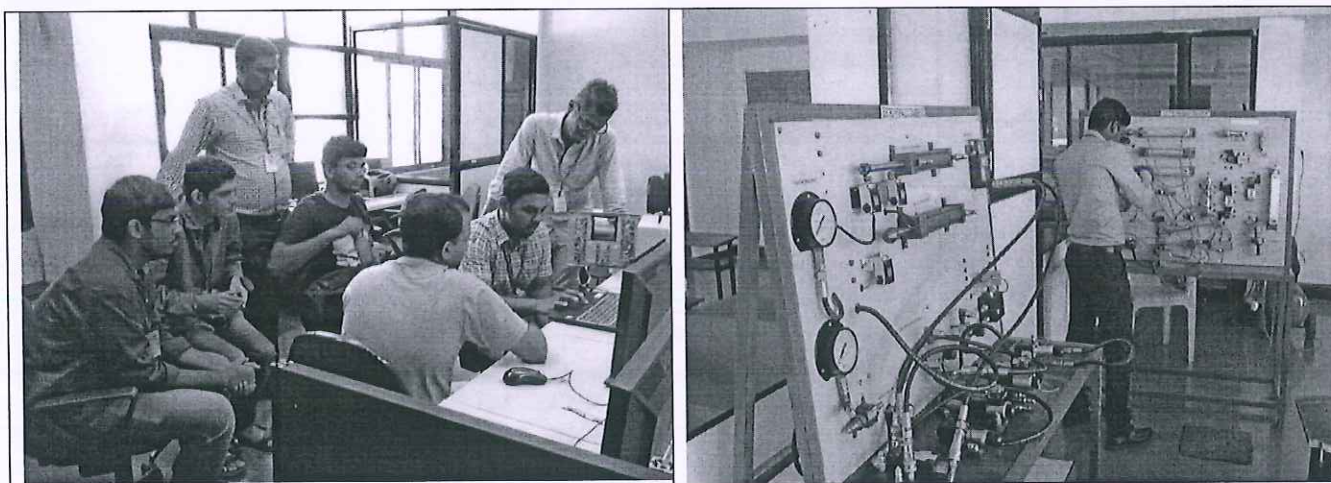

Head of Department
Mechanical Engineering Department
S.I.E.S. Graduate School Of Technology
Sector-V, Nerul, Navi Mumbai-400 706




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Sri Chandrasekarendra Saraswathy Vidyapeetham
Sector-V, Nerul, Navi Mumbai-400 706


SCHEDULE

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

Photographs:**Report:**

A SDP was organized for the Mechanical Engineering student **from** 24 December 2018 to 29 December 2018. The SDP was conducted by Prof. Abhishek Kadam on the topic “PLC programming from scratch” in Mechatronics lab in Mechanical Engineering Department. Altogether 20 students were present for the workshop. The workshop consists of live problems of various domains such as Hydraulics and pneumatics. The detail analysis of the feedback is given below:


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


Head of Department
 Mechanical Engineering Department
 S.I.E.S. Graduate School Of Technology
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 Sri Chandrasekarendra Saraswathi Vastu Sangrahalaya
 Sector-V, Nerul, Navi Mumbai-400 706

Mechanical Engineering Department	
SDP Topic:-	PLC Programming from Scratch
Course Code of SDP:-	NA
SDP Dates and Duration:	24 Dec to 29 Dec, 2018 (1 week)
Academic Year:-	2018-2019
FH / SH Year:-	SH2018
Resource Person/Speakers/Faculty:-	Dr. Pradip Patil, Abhishek Kadam

The following list of students successfully completed the SDP:

Sr. No.	Name of Students Enrolled	Roll No.	Email	Class and Branch	Completed SDP (Yes / No)
1	BHOSALE ANIKET KRISHNAT	116A6008	Aniket.bhosale16@siesgst.ac.in	SE Mechanical	Yes
2	CHAUDHARI RAJ PRADEEP	116A6009	Raj.chaudhari16@siesgst.ac.in	SE Mechanical	Yes
3	CHILLARA SOWMYA LALITHA SREENIVAS	116A6010	Sowmya.chillara16@siesgst.ac.in	SE Mechanical	Yes
4	DEVADIGA OMKAR SANJEEVA	116A6012	Omkar.devadiga16@siesgst.ac.in	SE Mechanical	Yes
5	GHATAGE AVDHUT ASHOK	116A6013	Avdhut.ghatage16@siesgst.ac.in	SE Mechanical	Yes
6	GHATE SHREYAS MAHESH	116A6014	Shreyas.ghate16@siesgst.ac.in	SE Mechanical	Yes
7	GUJARATHI ROMIL VINOD	116A6015	Romil.gujarathi16@siesgst.ac.in	SE Mechanical	Yes
8	IYER SIRI KANNAN	116A6016	Siri.iyer16@siesgst.ac.in	SE Mechanical	Yes
9	JOSHI RISHIKESH RAMESH	116A6020	Rishikesh.joshi16@siesgst.ac.in	SE Mechanical	Yes
10	KANVATHIRTHA AJAY JAYANTKUMAR	116A6021	Ajay.kanvathirtha16@siesgst.ac.in	SE Mechanical	Yes
11	KOLAVENNU PRAJWAL RAMANA RAO	116A6022	Prajwal.kolavennu16@siesgst.ac.in	SE Mechanical	Yes
12	MAHADIK RAJAT RAVINDRA	116A6023	Rajat.mahadik16@siesgst.ac.in	SE Mechanical	Yes
13	MANDAL AMAR RAMCHARITRA	116A6024	Amar.mandal16@siesgst.ac.in	SE Mechanical	Yes
14	MAULI MIRAJKAR	116A6025	Mauli.mirajkar16@siesgst.ac.in	SE Mechanical	Yes



Principal
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15	MISHRA NISHANT MAHENDRAKUMAR	116A6026	Nishant.mishra16@siesgst.ac.in	SE Mechanical	Yes
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 Sector-V, Nerul, Navi Mumbai - 401 106
 Dr. Sandeep Kumar

