



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved By AICTE, New Delhi, DTE, Govt. of Maharashtra
Affiliated to the University of Mumbai
Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

Criteria 1- Curricular Aspects

Key Indicator – 1.2 Academic Flexibility

1.2.1 & 1.2.2: Number of Add on/Certificate/ Value Added programs offered during the last five years





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2	Number of Add on/Certificate/ Value Added programs offered during A.Y. 2019-20	101-198
3	Number of Add on/Certificate/ Value Added programs offered during A.Y. 2018-19	199-294
4	Number of Add on/Certificate/ Value Added programs offered during A.Y. 2017-18	295-394





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List of Value added Courses offered during last five years.

Sr. No	Year	Course Name	Student Count
1	2021-22	Learning with Python	13
2	2021-22	Automation Using IOT	57
3	2021-22	Nirman-Arduino Workshop	8
4	2021-22	OOP Bridge Course	9
5	2021-22	Skill based Laboratories	74
6	2021-22	Introduction to NDT	15
7	2021-22	ANSYS (Engineering Simulation)	15
8	2021-22	Introduction to Dye Penetrant Non Destructive Testing (DT) Method	30
9	2021-22	ELECTRICAL INSTALLATION	22
10	2021-22	Printed circuit board design	24
11	2021-22	Electrical Safety Practices	24
12	2021-22	MSP & PRIMAVERA	24
13	2021-22	Advanced concrete technology	110
14	2019-20	Programming with JAVA	22
15	2019-20	Learning with Python	15
16	2019-20	Machine Learning and Deep Learning	51
17	2019-20	OOP	75
18	2019-20	Nirman-Arduino Workshop	16
19	2019-20	MATLAB and Simulink for Research	49
20	2019-20	ADVANCE SOLID WORKS	15
21	2019-20	ANSYS (Engineering Simulation)	15
22	2019-20	Introduction to Magnetic Particle Non Destructive Testing (MT) Method	30
23	2019-20.	ELECTRICAL INSTALLATION	15
24	2019-20	Printed circuit board design	17
25	2019-20.	Electrical Safety Practices	15
26	2019-20.	MSP & PRIMAVERA	26
27	2019-20	Emerging techniques in Civil Engineering	126
28	2019-20	Soft Skills	30
29	2018-19	Programming with JAVA	17
30	2018-19	Learning with Python	20
31	2018-19	NETWORK SECURITY AND CRYPTOGRAPHY	57





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32	2018-19	Nirman-Arduino Workshop	26
33	2018-19	PCB Design Workshop	60
34	2018-19	Research Methodology Tools	73
35	2018-19	ELECTRICAL INSTALLATION	15
36	2018-19	Printed circuit board design	17
37	2018-19	Electrical Safety Practices	16
38	2018-19	ADVANCE SOLID WORKS	17
39	2018-19	ANSYS (Engineering Simulation)	15
40	2018-19	Introduction to Radiography Non Destructive Testing (RT) Method	30
41	2018-19	MSP & PRIMAVERA	22
42	2018-19	Matlab	128
43	2018-19	Soft Skills	30
44	2017-18	Programming with JAVA	20
45	2017-18	Learning with Python	15
46	2017-18	Natural Language Processing	69
47	2017-18	SOFTWARE WORKSHOP	54
48	2017-18	Nirman-Arduino Workshop	15
49	2017-18	VLSI Design & Embedded Systems	78
50	2017-18	ADVANCE SOLID WORKS	15
51	2017-18	ANSYS (Engineering Simulation)	18
52	2017-18	Introduction to Ultrasonic Non Destructive Testing (UT) Method	30
53	2017-18	ELECTRICAL INSTALLATION	15
54	2017-18	Printed circuit board design	10
55	2017-18	Electrical Safety Practices	16
56	2017-18	MSP & PRIMAVERA	26
57	2017-18	Recent trends in Civil Engineering	138
58	2017-18	Soft Skills	30





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A.Y. 2021-2022





Academic Year 2021 - 22

Course name: - Learning with Python

Duration: - 3rd Jan 2022 to 7th Jan 2022

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Vinit Raut

Enrolled students: - 13

Course Objective:-

1. To create fully functional Python programs
2. To understand user input
3. To learn about loop structures and conditionals
4. To work with Python file handling

Course Outcomes: -

After successful completion of the course, the students are able to

1. Describe the basics of the Python programming language
2. Install Python and write first program
3. Use variables to store, retrieve and calculate information
4. Utilize core programming tools such as functions and loops
5. Explain the basic principles of Python programming language

Course Schedule: -

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction	Install Python and basic python program
2	Basic syntax , variables and strings	Lists, Tuples and Dictionaries. Exercise
3	If-else statements, For loop	While loop, Pass, break and continue Exercise
4	Understanding Functions	File handling – opening and reading
5	Classes and Objects	Exercise Quiz





Report:- Computer engg. department of VIVA Institute of Technology conducted a course on "Learning with Python" for second and third year students. Total 13 students had been enrolled for this course.

This course was conducted by Prof. Vinit Raut in order to provide basic knowledge of Python programming. This was 30 hrs. certificate course.

During the course students learned how to install Python. They learned all the basic of python like variables, lists, strings. Also students study conditional statements and loops. This course also cover functions and file handling.

Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	-
CO4	-	-	3	2	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	1	1
	3	3	3	2	-	-	-	-	-	-	1	1

CO PO Justification: -

COs	POs	Justification
CO1	PO1	Strongly mapped as the students will be able to analyse the problem to be implemented using basics of Python.
CO2	PO1	Strongly mapped as the students will be able to identify the technique required to implement the problem.
CO3	PO3	Slightly mapped as the students will be able to find a solution for the problem identified.
CO4	PO3	Strongly mapped as the students will be able to find the relevant tools to implement the problem stated.
	PO4	Moderately mapped as the students will be able to find a feasible solution for the problem designed.
CO5	PO2	Strongly mapped as the students will be able to develop design methodologies for the system to be developed.



Academic Year 2021 - 22

Course Name:- Learning With Python

Course Duration:- 3rd Jan to 7th Jan 2022

Attendance Sheet

Sl. No.	Name of Student	03/01/2022		04/01/2022		05/01/2022		06/01/2022		07/01/2022	
		Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)
1	Poojari Ansh Harish	Anesh	Anesh	Anesh	Anesh	Anesh	Anesh	Anesh	Anesh	Anesh	Anesh
2	Aryan Manish Raut	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3	Neha Milind Kadam	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha
4	Harshad Maharu Patil	Hakil	-A-	Hakil	Hakil	Hakil	Hakil	Hakil	Hakil	Hakil	Hakil
5	Dubey Anush Dinesh	AD	AD	AD	AD	AD	AD	-A-	-A-	AD	AD
6	Shinde Nikita Rajendra	Sikita	Sikita	Sikita	Sikita	Sikita	Sikita	Sikita	Sikita	Sikita	Sikita
7	Jha Sumant Sudhir	Sumant	Sumant	Sumant	Sumant	Sumant	Sumant	Sumant	Sumant	Sumant	Sumant
8	ERASUN BHUSHAN SANTOSH	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan
9	SHI KISHOR PITAMBAR	IK	IK	IK	IK	IK	IK	IK	IK	IK	IK
10	DEWEKAR CHETAN SUNIL	chetan	chetan	chetan	chetan	chetan	chetan	chetan	chetan	chetan	chetan
11	JADWAR KAMAL PRANAY	Karnat	Karnat	Karnat	Karnat	Karnat	-A-	Karnat	Karnat	Karnat	Karnat
12	LUCIEKAR POONAV ANIL	Poonav	Poonav	Poonav	Poonav	Poonav	Poonav	Poonav	Poonav	Poonav	Poonav
13	DEOPURKAR SUSHANTI ELIAS	S	S	S	S	S	S	S	S	S	S



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CERTIFICATE OF PARTICIPATION

This is to certify that **Neha Milind Kadam**
attended a one-week Program on "Learning with Python"
organized by the Computer Engineering Department Of
VIVA Institute of Technology from 3rd Jan to 7th Jan 2022.

Prof. Ashwini Save
H.O.D

Dr. Arun Kumar
Principal





Academic Year 2021 - 22

Course name: - Automation Using IOT

Duration: - 3rd Jan to 7th Jan 2022

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Monali Pimpale

Enrolled students: - 57

Course Objective: -

1. This course focuses on the latest microcontrollers with application development, product design and prototyping.
2. Recognise the factors that contributed to the emergence of IoT
3. Design and program IoT devices
4. Use real IoT protocols for communication
5. Secure the elements of an IoT device

Course Outcomes: -

After successful completion of the course, the students are able to

1. Interpret the impact and challenges posed by IoT networks leading to new architectural models.
2. Illustrate the smart objects and the technologies to connect them to network.
3. Compare different Application protocols for IoT
4. Infer the role of Data Analytics and Security in IoT
5. Identify sensor technologies for sensing real world entities and understand the role of IoT in various domains of Industry.

Course Schedule: -

Session	Time	Topic
Day 1: - 3 rd Jan 2022		
1	9.30 – 11.00	Introduction to IOT
2	11.15– 12.30	Understanding <u>IoT</u> fundamentals IOT Architecture and protocols
3	1.15 – 4.30	Overview of <u>IoT</u> components and <u>IoT</u> Communication Technologies Challenges in IOT
Day 2: - 4 th Jan 2022		
1	9.30 – 11.00	Arduino Simulation Environment
2	11.15– 12.30	Arduino Uno Architecture Setup the IDE, Writing Arduino Software
3	1.15 – 4.30	Interfacing LED, push button and buzzer with Arduino Interfacing Arduino with LCD
Day 3: - 5 th Jan 2022		
1	9.30 – 11.00	Sensor & Actuators with Arduino



2	11.15– 12.30	Overview of Sensors working Analog and Digital Sensors
3	1.15 – 4.30	Interfacing of Actuators with Arduino. Interfacing of Relay Switch and Servo Motor with Arduino
Day 4 :- 6th Jan 2022		
1	9.30 – 11.00	Basic Networking with ESP8266 <u>WiFi</u> module
2	11.15– 12.30	Basics of Wireless Networking Introduction to ESP8266 Wi-Fi Module Various Wi-Fi library
3	1.15 – 4.30	Web server- introduction, installation, configuration Posting sensor(s) data to web server
Day 5 :- 7th Jan 2022		
1	9.30 – 11.00	Cloud Platforms for IOT Virtualization concepts and Cloud Architecture
2	11.15– 12.30	Cloud computing, benefits Cloud services -- SaaS, PaaS, IaaS Cloud providers & offerings
3	1.15 – 4.30	Study of IOT Cloud platforms <u>ThingSpeak</u> API and MQTT Interfacing ESP8266 with Web services Quiz

Report:-

Computer engg. department of VIVA Institute of Technology conducted a course on “Automation Using IOT” for Last year students. Total 57 students had been enrolled for this course.

This course was conducted by Prof. Monali Pimpale in order to provide knowledge of Automation Using IOT.

IoT is a giant, digitally connected universe of billions of physical devices around the world; “things” that collect and share data about how they’re used and the environment around them. These objects are embedded with internet connectivity, software, sensors, and other hardware that enable them to connect and exchange data with other systems and devices over the web. Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	2	-	-	-	-	-	-	-	-	-	-	-
CO2	-	2	3	2	-	-	-	-	-	-	-	-
CO3	-	2	2	-	-	-	-	-	-	-	-	-
CO4	1	2	3	-	-	-	-	-	-	-	-	-
CO 5	-	-	-	3	-	-	-	-	-	-	-	-



Ashwini Save
HOD, Computer Engg.





Automation Using IOT

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COMPUTER ENGINEERING DEPARTMENT
BE Attendance Sheet (2021-22)



Semester : VIII

Subject Incharge :

3rd Jan to 7th Jan 2022

Week/ Month :

Subject :

Roll No	Name	3/01	4/01	5/01	6/01	7/01	8/01	Total
1	PRITANK SHAI	PS	PS	PS	PS	PS	PS	
2	RITIKET SHINDE	Nshinde	Nshinde	Nshinde	Nshinde	Nshinde	Nshinde	
3	DEEP LIMBARI	Deep	Deep	Deep	Deep	Deep	Deep	
4	PAWAN SANJIVA PUJARI	PS	PS	PS	PS	PS	PS	
5	YASH PRAKASH PANDHARE	Yash	Yash	Yash	Yash	Yash	Yash	
6	ADITYA (STEREA) BAWA	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	
7	PODISHWAR PATIL	Patil	Patil	Patil	A	Patil	Patil	
8	SIDDHESH RAJE	Sare	Sare	Sare	Sare	Sare	Sare	
9	YASHI PATIL	Patil	Patil	Patil	Patil	Patil	Patil	
10	ABHISHEK IRWALKAR	Asi	Asi	A	Asi	Asi	Asi	
11	SAGAR CORLE	Sc	Sc	Sc	Sc	Sc	Sc	
12	GOVINDNARAYAN DUBEY	Dubey	Dubey	Dubey	Dubey	Dubey	Dubey	
13	CHIRAG P. PATIL	Patil	Patil	Patil	Patil	Patil	Patil	
14	SHIBHAN MORE	Sk	Sk	Sk	Sk	Sk	Sk	
15	DEVESH PATIL	Patil	Patil	Patil	Patil	Patil	Patil	
16	HEMIL PATIL	Heail	Heail	Heail	Heail	Heail	Heail	
17	SUYASH KOLTHARKAR	Suyash	Suyash	Suyash	Suyash	Suyash	Suyash	
18	ANIT GUPTA	A	A	A	A	A	A	
19	MALIKAMLESH RAMSHEKHAR	A	A	A	A	A	A	
20	KEMAR KARAN KENTANMAL	A	A	A	A	A	A	
21	MARTIN BALAJI SUBRAH	A	A	A	A	A	A	
22	MAHESH BHAGAT	MBhagat	MBhagat	MBhagat	MBhagat	MBhagat	MBhagat	
23	BODHINA THIRICHANE	Thirichane	Thirichane	Thirichane	Thirichane	Thirichane	Thirichane	
24	SUWETA JHA	Sueta	Sueta	Sueta	Sueta	Sueta	Sueta	
25	SANIKSHA JANAY MUDHARKAR	Saniksha	Saniksha	Saniksha	Saniksha	Saniksha	Saniksha	
26	ANITI SANTOSH MORE	Am	Am	Am	Am	Am	Am	
27	SEDHITA SUBHASH SALUNKE	SS	SS	SS	SS	SS	SS	
28	DEVESHREE VIJAY KADU	VD	VD	VD	VD	A	VD	
29	HARSHITA BAGO JADHAV	HJadhav	HJadhav	HJadhav	HJadhav	A	HJadhav	
30	YOGALI SANTOSH PATIL	Yagali	Yagali	Yagali	Yagali	Yagali	Yagali	
31	SANKET INSALE	A	A	A	A	A	A	
32	RITIK KILASATNOL	A	A	A	A	A	A	
33	NTESH VASHIYA	A	A	A	A	A	A	
34	URVAL CHIKHALE	A	A	A	A	A	A	
35	SAURAV GUPTA	A	A	A	A	A	A	
36	RAJ GUPTA	A	A	A	A	A	A	
	CHIRU VINI BIPIN	Chiru	Chiru	Chiru	Chiru	Chiru	Chiru	





Semester : VIII

Subject : Software

Week / Month :

Subject :

Roll No.	Name	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Total
38	PRADIP KUMAR SINGH	A	A	A	A	A	A	
39	PRADIP KUMAR SINGH	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
40	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
41	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
42	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
43	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
44	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
45	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
46	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
47	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
48	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
49	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
50	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
51	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
52	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
53	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
54	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
55	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
56	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
57	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
58	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
59	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
60	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
61	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
62	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
63	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
64	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
65	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
66	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
67	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
68	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
69	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
70	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
71	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
72	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
73	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
74	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
75	PRADIP KUMAR	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	



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Certificate of Participation

This is to certify that **YASH PATIL** has attended One Week Program on " Automation Using IOT " organised by the Computer Engineering Department of VIVA Institute of Technology from 3rd Jan 2022 to 7th Jan 2022

ASHWINI SAVE
HOD



DR. ARUN KUMAR
PRINCIPAL





Department of Electronics and Telecommunication Engineering

Name of Course: Nirman-Arduino Workshop

Duration: 30 hours/ 1 week

Day 1- Embedded System Basic (Working, Input devices & Programming Code):

Session 1: *Introduction, Hardware & Basic Programming*

- ✓ Introduction to basic of embedded system
- ✓ Introduction & explanation of microcontrollers
- ✓ Explanation of AVR ATmega 328 microcontroller
- ✓ Explanation of Arduino board & programming
- ✓ Basic Arduino based programs for interfacing i/o devices

Session 2:

- ✓ Introduction to output devices interfacing
 - **Project 1 :** LED blinking
- ✓ Introduction to input devices interfacing
 - **Project 2:** Push button interfacing
- ✓ Rotary encoder interfacing
 - **Project 3 & 4:**
 - i. More LEDS switching sequentially based on encoder input
 - ii. Bar graph sort of LED switching based on encoder input

Quiz

Day 2 - Digital & Analog Input Output Devices Interfacing

Session 3: ✓ Explanation for digital input devices





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- ✓ Explanation for analog input devices
- ✓ Introduction to temperature sensor and its working
- ✓ Basic programming for interfacing temperature sensor
 - **Project 5 :** Temperature sensor using LM35
- ✓ Introduction to relay
- ✓ Basic programming for interfacing relay
 - **Project 6:** Automatic temperature controller system(soldering iron temperature control_simple on/off)
- ✓ Introduction to LDR sensor and its working
- ✓ Basic programming for interfacing LDR sensor
 - **Project 7 :** Light controlled switch
- ✓ Introduction to IR sensor and its working
- ✓ Basic programming for interfacing IR sensor
 - **Project 8 :** Detect presence of object and blink LED accordingly

Session 4:

Quiz

Day 3 - Advance Sensor (Ultrasonic, Hall Effect) and Serial Communication

Session 5:

- ✓ Introduction to ultrasonic sensor and its working
- ✓ Basic programming for interfacing of ultrasonic sensor
- ✓ Programming and conversion concept for the measurement
- ✓ Formulas for speed, distance & time for distance measurement using ultrasonic sensor
- ✓ **Project 9 :** Distance Finder / Range Finder using Ultrasonic
- ✓ Explanation of working of stepper motor & motor driver





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- ✓ Interfacing of stepper motor with motor driver & basic motorcontrol program
 - **Project 10 : Stepper Motor Rotation**
- ✓ Introduction to Hall Effect sensor and its working

- ✓ Basic programming for interfacing Hall Effect sensor
 - **Project 11 : Stepper Motor Speed Detection**
- ✓ Introduction to serial communication & its significance in embedded system
- ✓ Explanation of program for establishing serial communication for data transfer between computer & Arduino
 - **Project 12 : Send temperature data and distance measured by ultrasonic to serial port**

Session 6:

Quiz

Day 4 - Visible Output, Keypad

Session 7:

- ✓ Introduction to a 7-Segment LED display
- ✓ 7-segment LED display interfacing & basic data display program
 - **Project 13 : Temperature indicator on 7 segment**
- ✓ Introduction to LCD (16 X 2) & its working
- ✓ LCD Interfacing & Basic data display program
 - **Project 14 : Display temperature on LCD**





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- Session 8:**
- ✓ Introduction to matrix keypad & its working
 - ✓ Concept of data line reduction & matrix concept
 - ✓ Interfacing LCD & matrix keypad with Arduino
 - **Project 15** : LCD based GUI for user password registration and monitor

Project 16 *Smart Door System*

/ Product

Day 5 - Industry 4.0 and Project Guidance

- Session 9:**
- ✓ Tips for Project making
 - ✓ Steps for designing a project
 - ✓ Schematic designing tips
 - ✓ Project development phase
 - ✓ Project functional block programming & output
 - ✓ Doubt discussion
- Session 10:**
- ✓ Industry 4.0: The Fourth Industrial Revolution
 - ✓ Certificates & Project Letters distribution for competition

Feedback





Department of Electronics and Telecommunication Engineering

Report

Nirman is to nurture and organize the young change makers to solve various societal challenges. It is an educational process to train the students to take up crucial issues and problems in the society. The focus in this course is to enable and equip the students to immediately start building Arduino enabled products. This was a 30hrs/1 week certificate course.

This 5 days Bridge course was conducted by Prof. Nutan Malekar in order to provide basic knowledge to second year and third year students about an **Arduino** and how it works. It helped students to learn programming concepts using **C and C++** along with Arduino specific programming. The students understood how to use a **wide variety of hardware and components** and prototype projects using a breadboard.





Department of Electronics and Telecommunication Engineering

Course Objectives

- ✚ To understand what an Arduino is and how it works
- ✚ To learn how to use an Arduino safely
- ✚ To program Arduino using code that have written in the Arduino IDE (Integrated Development Environment)
- ✚ To learn programming concepts using C and C++ along with Arduino specific programming
- ✚ To understand best practice concepts for programming and prototyping
- ✚ To use a wide variety of hardware and components and prototype your projects using a breadboard
- ✚ To build innovative project with Arduino

Course Outcomes:

- Students will be able to get new product or service ideas by hearing about needs in industry.
- Students will be able to receive large volumes of usable content within a compressed amount of time.
- Students will be able to get intensive exposure to a topic through presentations and discussions.
- Students will be able to achieve confidence and motivation for organising different events that improves the personality of a student.
- Students will be able to achieve confidence and motivation for participating in different events that improves the personality of a student.
- Students will be able to develop a connection that might help with future employment.





Department of Electronics and Telecommunication Engineering

CO-PO MAPPING

Course Outcome	Program Outcome											
	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
CO5	-	2	-	-	-	-	-	-	-	-	-	2
CO6	-	-	-	-	2	-	-	-	-	-	1	1.5
	2	2	-	-	2	2	-	-	-	-	1	





Department of Electronics and Telecommunication Engineering

Attendance Sheet:


VIVA Institute of Technology
At: Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org
Department of Electronics and Telecommunication Engineering

Attendance for certificate courses

Date	Topic	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8	Session 9	Session 10
27 th July 2021	Intro to Arduino										
28 th July 2021	Arduino Basics										
29 th July 2021	Arduino Programming										
30 th July 2021	Arduino I/O										
31 st July 2021	Arduino Projects										
1 st Aug 2021	Arduino Projects										
2 nd Aug 2021	Arduino Projects										
3 rd Aug 2021	Arduino Projects										
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29 th Dec 2021	Arduino Projects										
30 th Dec 2021	Arduino Projects										
31 st Dec 2021	Arduino Projects										

Name & Sign of Student: Arjun, Arjun, Arjun, Arjun, Arjun, Arjun, Arjun, Arjun, Arjun, Arjun, Arjun, Arjun

Arjun Arjun Arjun





Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org



Department of Electronics and Telecommunication Engineering

Model Certificate





Department of Electronics and Telecommunication Engineering

Name of Course:
OOP Bridge Course
Duration: 30 hours

Day	Contents	Hrs.
1	Introduction Introduction to java, java buzzword, data types, dynamic initialization, scope and life time operators, control statements, arrays, type conversion and casting, finals & blank finals. Classes and Objects: Concepts, methods, constructors, usage of static, access control, this key word, Garbage collection, overloading, parameter passing mechanisms, nested classes and inner classes.	6
2	Inheritance: Basic concepts, access specifies, usage of super key word, method overriding, final methods and classes, abstract classes, dynamic method dispatch, Object class. Interfaces: Differences between classes and interfaces, defining an interface, implementing interface, Variables in interface and extending interfaces.	6
3	Packages: Creating a Package, setting CLASSPATH, Access control protection, importing packages. Exception Handling: Concepts of Exception handling, types of exceptions, usage of try, catch, throw, throws and finally keywords, Built-in exceptions, creating own exception sub classes. Strings: Exploring the String class, String buffer class, Command-linear arguments. Library: Date class, Wrapper classes.	6
4	Multithreading: Concepts of Multithreading, differences between process and thread, thread life cycle, Thread class, Runnable interface, creating multiple threads, Synchronization, thread priorities, inter Thread communication, daemon threads, and deadlocks. I/O Streams: Streams, Byte streams, Character streams, File class, File streams.	6
5	Applets: Concepts of Applets, life cycle of an applet, creating applets, passing parameters to applets, accessing remote applet, Color class and Graphics Event Handling: Events, Event sources, Event classes, Event Listeners, Delegation event model, handling events.	6





Department of Electronics and Telecommunication Engineering

Report

Duration:

Venue: VIVA Institute Of Technology, Shirgaon.

Electronics & Telecommunication Engineering Department of VIVA Institute of Technology organized a 30 hours' certificate course on **"OOP Bridge Course"** during **3rd Jan 2022 to 7th Jan 2022**.

The workshop was basically aimed to provide basic knowledge to second year of semester 4– EXTC students of JAVA language which was conducted by **Mr. Kushal Suvarna sir** as the speaker who guided the participants.

The event was a success with very positive feedback from the participants. The speech by the Principal **Dr. Arun Kumar** was an inspiring one that covered the broad future scopes of the field. The Principal being an encouraging one who said that for such events where in student development is involved, he will always be supportive. In the speech given by **Mrs. Archana Ingle**, H.O.D of EXTC, students gained an idea of how this workshop can be utilized to take creative projects in the field of software.

Mr. Kushal Suvarna sir introduced themselves to the participants and enlightened them about the fantastic and intriguing field of **JAVA software** and narrated their various achievements and their future plans.





Department of Electronics and Telecommunication Engineering

Course Objectives

1. To understand the basic concepts and fundamentals of platform independent object oriented language.
2. To demonstrate skills in writing programs using exception handling techniques and multithreading.
3. To understand streams and efficient user interface design techniques.

Course Outcomes:

- After successful completion of the course, the students are able to
- 1. Use the syntax and semantics of java programming language and basic concepts of OOP.
 - 2. Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
 - 3. Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.
 - 4. Design event driven GUI and web related applications which mimic the real word scenarios.





Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
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Department of Electronics and Telecommunication Engineering

CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
	2	2	-	-	2	2	-	-	-	-	-	





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Department of Electronics and Telecommunication Engineering
Model Certificate





Department of Electronics and Telecommunication Engineering

Name of Course: Skill based Laboratories

Duration: 30 hours

Date and Day	Time	Contents
3 rd Jan 2022	9.00 to 10.00	Breakfast, Registration and Inauguration
	10.00 – 1.00	History and Introduction to Linux Operating System Linux commands and shell scripting Loping Structure & Shell Loop Control
	1.00-1.30	Lunch Break
	1.30-4.00	Introduction to Raspberry Pi with timeline and model Rpi board details & OS Installation
4 th Jan 2022	10.00-1.00	Introduction to Basics of FPGA/CPLD RTL Design Combinational and Sequential circuit design simulation
	1.00-1.30	Lunch Break
	1.30-4.00	FPGA Design and Implementation Interfacing of FPGA Board
5 th Jan 2022	10.00-1.00	Interfacing with Sensors, Actuator, Telegram & Camera
	1.00-1.30	Lunch Break
	1.30-4:00	Interfacing with Telegram & Camera Project demonstration using Raspberry Pi
6 th Jan 2022	10.00-1.00	Introduction to Arduino and how it works Implement Embedded systems with different sensors and peripherals as IoT.
	1.00-1.30	Lunch Break
	1.30-4:00	Program Arduino using Arduino IDE for real life applications
7 th Jan 2022	10.00-1.00	Project demonstration using Raspberry Pi
	1.00-1.30	Lunch Break
	2.00-3.00	Valedictory





Department of Electronics and Telecommunication Engineering **Report**

Duration: 3rd-7th Jan 2022.

Venue: VIVA Institute Of Technology, Shirgaon.

Electronics & Telecommunication Engineering Department of VIVA Institute of Technology organized a 30 hours' certificate course on “**Skill based Laboratories**” from **3rd-7th Jan 2022** conducted by Mrs. Meena Perla.

The objective of the Hands-on Skill based Laboratories for EXTC Engineering training program is to learn to create tools with skill lab software's that will help to implement new ideas and solve difficult problems. Learning of Linux, Raspberry Pi, and FPGA will help to apply our research to interesting and challenging real-world problems. This STTP provides comprehensive coverage of Skill based Lab and its applications while providing opportunities for Hands-on practicals.

The purpose of this STTP is to have discussions on various ways in which these software tools can be used to carry out research.

Topics Covered in STTP on “Skill based Laboratories”

- □ History and Introduction to Linux Operating System
- Linux commands and shell scripting
- Looping Structure & Shell Loop Control
- Introduction to Raspberry Pi with timeline and model
- Rpi board details & OS Installation
- Introduction to Basics of FPGA/CPLD
- RTL Design
- Combinational and Sequential circuit design simulation
- FPGA Design and Implementation
- Interfacing of FPGA Board
- Interfacing with Sensors, Actuator, Telegram & Camera
- Project demonstration using Raspberry Pi





Department of Electronics and Telecommunication Engineering

- Introduction to Arduino and how it works
- Implement embedded systems with different sensors and peripherals as IoT.
- Program Arduino using Arduino IDE for real life applications

As new developments are introducing in industry day by day demanding expertise in these software, it was felt necessary that the student also become competent in the said field.

Course Objectives

- To understand basics of Linux, FPGA Raspberry Pi and Arduino.
- To use wireless sensors/communications with embedded systems.
- To learn installation of Raspbian.
- To program Arduino using Arduino IDE for real life applications
- To understand FPGA design and implementation
- To learn Interfacing of FPGA boards
- To learn Implementation skill of different servers on Linux
- To explore Linux commands and Shell Scripting.

Course Outcomes:

- After successful completion of the course, the students are able to
- Understand basics of Linux, FPGA Raspberry Pi and Arduino.
 - Use wireless sensors/communications with embedded systems.
 - Learn installation of Raspbian.
 - Program Arduino using Arduino IDE for real life applications
 - Understand FPGA design and implementation
 - Learn Interfacing of FPGA boards
 - Learn Implementation skill of different servers on Linux
 - Explore Linux commands and Shell Scripting.





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VIVA Institute of Technology
 Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
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Department of Electronics and Telecommunication Engineering
CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
	2	2	-	-	2	2	-	-	-	-	-	





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VIVA Institute of Technology
 Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
 Website: www.viva-technology.org



Department of Electronics and Telecommunication Engineering

Attendance Sheet:

Bridge course on "Skill based Laboratories" 21-22

Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
 At: Shirgaon, Vasai (East), Taluka: Vasai, Palghar District - 401305, Maharashtra
 Academic Year: 2021-22
 (B.TECH) - 4th SEM
 Subject: _____

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Topic covered		Date and Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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	3/15	3/16	3/17	3/18	3/19	3/20	3/21	3/22	3/23	3/24	3/25	3/26	3/27	3/28	3/29	3/30	3/31	4/1	4/2	4/3	4/4	4/5	4/6	4/7	4/8	4/9	4/10	4/11	4/12	4/13	4/14	4/15	4/16	4/17	4/18	4/19	4/20	4/21	4/22	4/23	4/24	4/25	4/26	4/27	4/28	4/29	4/30	4/31	5/1	5/2	5/3	5/4	5/5	5/6	5/7	5/8	5/9	5/10	5/11	5/12	5/13	5/14	5/15	5/16	5/17	5/18	5/19	5/20	5/21	5/22	5/23	5/24	5/25	5/26	5/27	5/28	5/29	5/30	5/31	6/1	6/2	6/3	6/4	6/5	6/6	6/7	6/8	6/9	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30	6/31	7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31	9/1	9/



Department of Electronics and Telecommunication Engineering

Handwritten student list for the Department of Electronics and Telecommunication Engineering. The table contains 24 rows of student names and their corresponding marks. The marks are handwritten in blue ink.

1	ANAND KUTUMBI SURESHKAR SURESH	100
2	ANAND KUTUMBI SURESHKAR SURESH	100
3	ANAND KUTUMBI SURESHKAR SURESH	100
4	ANAND KUTUMBI SURESHKAR SURESH	100
5	ANAND KUTUMBI SURESHKAR SURESH	100
6	ANAND KUTUMBI SURESHKAR SURESH	100
7	ANAND KUTUMBI SURESHKAR SURESH	100
8	ANAND KUTUMBI SURESHKAR SURESH	100
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17	ANAND KUTUMBI SURESHKAR SURESH	100
18	ANAND KUTUMBI SURESHKAR SURESH	100
19	ANAND KUTUMBI SURESHKAR SURESH	100
20	ANAND KUTUMBI SURESHKAR SURESH	100
21	ANAND KUTUMBI SURESHKAR SURESH	100
22	ANAND KUTUMBI SURESHKAR SURESH	100
23	ANAND KUTUMBI SURESHKAR SURESH	100
24	ANAND KUTUMBI SURESHKAR SURESH	100

Total present students: 24

Signature of subject incharge: _____





Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org



Department of Electronics and Telecommunication Engineering

Model Certificate



Student Certificate



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2021-22

Date: 02/07/2021

NOTICE

All the shortlisted students of Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of "**Introduction to NDT**" from 05th July 2021 to 09th July 2021.

Timing:-


1st Session:- 9.00 am - 12. pm

2nd session:- 1.00 pm – 4.00 pm

Syllabus & Course Outcomes

Venue:- CAD CAM Lab


Prof. Tejas Chaudhari


Prof. Niyati Raut



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Course Name: **Introduction to NDT**

Academic Term: **July 2021 to Dec 2021**

Syllabus:

Module	Details	Hours
1	Overview of Liquid Penetrant Testing History of Liquid Penetrant Testing, Principles of Liquid Penetrant Testing, Advantages of the Penetrant Process , Disadvantages of the Penetrant Process, Basics of the Penetrant Process, Preparation of Parts for Penetrant Testing, Surface Condition, Penetrant System, Sensitivity, Type of Penetrant, Advantages of Fluorescent Liquid Penetrants, Advantages of Visible Dye Penetrants, Selection of Liquid Penetrant, Penetrant Dwell Temperature, Penetrant Removal Method Water Washable, Lipophilic Emulsifier.	08
2	Penetrants, Developer and Equipment Characteristics of Penetrants : Surface Tension, Wetting Ability, Chemical Properties of Penetrants, Inertness, Removability, Water Tolerance, Developer, Dry Powder, Water Soluble Water Suspended, Non aqueous, Specific Application , Material and Process Control Tests, Ultraviolet Light Intensity, Emulsifier Concentration, Ambient White Light Intensity, Penetrant Inspection Area Cleanliness, Penetrant Materials Content.	08
3	Testing in Primary Metals Production Producing Metals and Alloys, Processing Discontinuities, Discontinuities Related to Metal Solidification, Discontinuities in Metal Ingots, Discontinuities in Metal Castings Discontinuities in Blooms and Billets Discontinuities in Hot Rolled Bars, Shapes, Plate or Strip, Discontinuities in Forgings, Discontinuities in Rolled and Pierced Products, Discontinuities in Extrusions, Discontinuities in Cold Worked Metal Products, Discontinuities in Fusion Welds	08



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)

DEPARTMENT OF MECHANICAL ENGINEERING

4	Appearance of Liquid Penetrant Indications Brilliance and Extent of Indications, Persistence of Indications Other Variables Affecting Indication Appearance, Surface Conditions, Temperature , Dwell Time and Washing Developer, Previous Testing, Common Causes of Non relevant and False Indications, Poor Process Control, Part Geometry and Surface Condition, Evaluation of Non relevant Indications	06
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Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Course Outcomes

Sr. No.	CO Code	Course Outcomes
1	CO_1	Apply basic aspects of Inspection to solve engineering problems.
2	CO_2	Select suitable Penetrant and Developer for test.
3	CO_3	Study different discontinuities associated in Metal Production
4	CO_4	Identify Different appearance of Liquid Penetrant Indications
5	CO_5	Perform Liquid Penetrant test on different part geometry.



Late Shree Vidya Vishnu Waman Charitable Trusts
VIVA Institute of Technology
 At: Shingaoon, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - Introduction to NDT
 Academic Year - 2021-22

Course Duration : 5th July to 9th July 2021

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			05/07/2021	06/07/2021	07/07/2021	08/07/2021	09/07/2021
1	DAS BUNTY GOVIND KAKULI	SE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	MAURYA ANANDKUMAR GANESH SAROJ DEVI	SE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	DEVGANIA RUCHIK BABU MANJU	TE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	NAIR RAJ KIRANKUMAR SAPNA	TE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	PATIL SAYALI MILIND MANSHA	TE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	PATIL VAISHNAVI MANOHAR UJWALA	TE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	PATIL VAISHNAVI SATISH NILIMA	TE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	KULKARNI ATHARYA MILIND AMITA	TE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	MATHKAR SAHIL SANJEEV MATHKAR SAYALI	TE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	MEHER SIDDESH DILIP RAMA	TE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	BHASARA NITIN DINESH SANGITA	BE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	PATIL VIPUL VILAS YASHODA	BE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	SALKAR YASH PRAMOD PRACHI	BE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14	KHEDEKAR SAHIL SUNIL SUCHITA	BE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	LOKHANDE HARSH ASHOK ASMITA	BE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

[Signature]
 Prof. Tejas Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)

[Signature]
 Prof. Priyati Raut
 H.O.D.
 (Mechanical Engineering Dept.)



Late Shree Vidya Vidya Women Charitable Trust's
VIVA Institute of Technology
 At Shingao, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - Introduction to NDT
 Academic Year : 2021-22

Course Duration : 5th July to 9th July 2021

Time: 1.00 pm to 4.00 pm

Sr. No.	Name of Students	Class	Date				
			05/07/2021	06/07/2021	07/07/2021	08/07/2021	09/07/2021
1	DAS BUNTY GOVIND KAKULI	SE	Das	Das	Das	Das	Das
2	MAURYA ANANDKUMAR GANESH SARDI DEVI	SE	anand	anand	anand	AB	anand
3	DEVGANIA RUCHIK BABU MANJU	TE	AB	Devgani	Devgani	Devgani	Devgani
4	NAIR RAJ KIRANKUMAR SAPNA	TE	Raj	Raj	Raj	Raj	Raj
5	PATIL SAYALI MILIND MANISHA	TE	Sayali	Sayali	Sayali	Sayali	Sayali
6	PATIL VAISHNAVI MANOJAR UJWALA	TE	Patil	Patil	Patil	Patil	Patil
7	PATIL VAISHNAVI SATISH NILIMA	TE	VPatil	VPatil	VPatil	VPatil	VPatil
8	KULKARNI ATHARVA MILIND AMITA	TE	Kulkarni	AB	Kulkarni	Kulkarni	Kulkarni
9	MATHKAR SAHIL SANJEEV MATHKAR SAYALI	TE	Sahil	Sahil	Sahil	Sahil	Sahil
10	MEHER SIDDHESH DILIP RAMA	TE	Siddhesh	Siddhesh	Siddhesh	Siddhesh	Siddhesh
11	BHASARA NITIN DINESH SANGITA	BE	NB	NB	NB	NB	NB
12	PATIL VIPUL VILAS YASHODA	BE	AB	Vipul	Vipul	Vipul	AB
13	SALKAR YASH PRAMOD PRACHI	BE	Yash	Yash	Yash	Yash	Yash
14	KHEDEKAR SAHIL SUNIL SUCHITA	BE	Sahil	Sahil	Sahil	Sahil	Sahil
15	LOKHANDE HARSH ASHOK ASMITA	BE	Harsh	Harsh	Harsh	Harsh	Harsh


 Prof. Tejendra Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Nitya Raut
 HOD
 (Mechanical Engineering Dept.)





Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Approved by AICTE New Delhi, DTE, Govt. of Maharashtra and Affiliated to
University of Mumbai
Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. PATIL VIPUL VILAS YASHODA
has attended a **Short Term Training Program** on "INTRODUCTION TO NDT" during the
period 5th July – 9th July, 2021 at **Department of Mechanical Engineering, VIVA Institute of
Technology, Shirgaon, Virar.**

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2021-22

Date: 30/12/2022

NOTICE


All the shortlisted students of Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of "ANSYS (Engineering Simulation)" from 03rd January 2022 to 07th January 2022.


Timing:-

1st Session:- 9.00 am - 12. pm

2nd session:- 1.00 pm – 4.00 pm

Venue:- CAD CAM Lab


Prof. Tejas Chaudhari
Faculty Co-ordinator


Prof. Niyati Raut
HOD Mechanical



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VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Syllabus & Course Outcomes

Course Name: **ANSYS (Engineering Simulation)**

Academic Term: **Jan 2022 to May 2022**

Syllabus:

Module	Details	Hours
1	Solid Modeling: An Overview of Solid Modeling Operations, Working with Boolean operations, Working Plane, Importing of 3D models.	4
2	Meshing: Free meshing or Mapped meshing, Setting Element Attributes, Selecting Element Type, Shape Function, Defining Element Types, Defining Section Properties, Assigning Element Attributes before meshing, Mesh Controls, The ANSYS Mesh Tool, Smart sizing, Meshing, Free Meshing, Mapped Meshing, Hybrid meshing, Mesh Extrusion, Volume Sweeping.	8
3	Boundary Conditions: Types of Loads, Applying loads. Solvers: Types of Solvers, Solver Setup, Load Step Options, Solving Multiple Load Steps.	6
4	Tips & Tricks: Using the Toolbar & Creating Abbreviations, Introduction to APDL, Using Parameters, Using the Start File, Using the Session Editor, Using Input Files.	4
5	ANSYS Workbench: Introduction to ANSYS Workbench, Graphical User Interface, Static Structural Analysis, Modal Analysis, Thermal Analysis, Contact Recognition.	8



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Course Outcomes

Sr. No.	CO Code	Course Outcomes
1	CO_1	Apply basic aspects of Analysis to solve engineering problems.
2	CO_2	Select suitable meshing and perform convergence test.
3	CO_3	Apply basic aspects to solve engineering problems.
4	CO_4	Perform basics tricks and tips to solve engineering problems.
5	CO_5	Interpret the result.



Late Shree Vishnu Valsu Women Charitable Trust's
VIVA Institute of Technology
 At: Shingao, Virar (East), Taluka-Vasai, Palghar District - 401105, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ANSYS (Engineering Simulation)
 Academic Year : 2021-22

Course Duration : 3rd Jan to 7th Jan 2022

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			03/01/2022	04/01/2022	05/01/2022	06/01/2022	07/01/2022
1	MACHHI RONIK GANESH TEENA	SE	Ronik	Ronik	Ronik	Ronik	Ronik
2	KAMBLE TRUNAL TULSHIDAS MINAKSHI	SE	Trunak	Trunak	Trunak	Trunak	Trunak
3	PRAJAPATI PRACHI GANESH SHILPA	SE	Prachi	Prachi	Prachi	Prachi	Prachi
4	KINI MANGESH VISHWANATH JAYVANTI	TE	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh
5	MATHAK GAVIN DOMINIC PRESCILLA	TE	Gavin	Gavin	Gavin	Gavin	Gavin
6	TARAL RUTIK RAVINDRA RANJANA	TE	Rutik	Rutik	Rutik	Rutik	Rutik
7	YADAV MONU HARISHCHANDRA INDU	TE	Monu	Monu	Monu	Monu	Monu
8	PATIL ISHAN SANDEEP RESHMA	TE	Ishan	Ishan	Ishan	Ishan	Ishan
9	PATIL NIRBHAY JAYVANT JYOTI	TE	Nirbhay	Nirbhay	Nirbhay	Nirbhay	Nirbhay
10	DANDGAWHAL GRANTHALI SAGAR MANISHA	BE	Manisha	Manisha	Manisha	Manisha	Manisha
11	JANI VIDHI PRAKASH BHAVANA	BE	Janvi	Janvi	Janvi	Janvi	Janvi
12	KURADE ABHINAV GANAPATI PRATIBHA	BE	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav
13	SHAPARIA CHINTAN VIJAY CHANDRIKA	BE	Chintan	Chintan	Chintan	Chintan	Chintan
14	THAKUR OM NILESH SUJATA	BE	Om	Om	Om	Om	Om
15	VYAS HARSH DHAVAL SHIVANI	BE	Harsh	Harsh	Harsh	Harsh	Harsh

Prof. Tejendra Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)

Prof. Vijay Raut
 H.O.D.
 (Mechanical Engineering Dept.)





Late Shree Vidhu Vidhu Wasse Charitable Trust's
VIVA Institute of Technology
 At: Shingos, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ANSYS (Engineering Simulation)
 Academic Year : 2021-22

Course Duration : 3rd Jun to 7th Jun 2022

Time: 1.00 pm to 4.00 pm

Sr. No.	Name of Students	Class	Date				
			03/01/2022	04/01/2022	05/01/2022	06/01/2022	07/01/2022
1	MACHHI RONIK GANESH TEENA	SE	RONIK	RONIK	RONIK	RONIK	RONIK
2	KAMBLE TRUNAL TULSHIDAS MINAKSHI	SE	TRUNAL	TRUNAL	TRUNAL	TRUNAL	TRUNAL
3	PRAJAPATI PRACHI GANESH SHILPA	SE	PRACHI	PRACHI	PRACHI	PRACHI	PRACHI
4	KIRI MANOJ VISHWANATH JAYVANTI	TE	KIRI	KIRI	KIRI	KIRI	KIRI
5	MATHAK GAVIN DOMINIC PRESCILLA	TE	MATHAK	MATHAK	MATHAK	MATHAK	MATHAK
6	TARAL RUTIK RAVINDRA RANJANA	TE	TARAL	TARAL	TARAL	TARAL	TARAL
7	YADAV MONU HARISHCHANDRA INDI	TE	YADAV	YADAV	YADAV	YADAV	YADAV
8	PATIL ISHAN SANDEEP RESHMA	TE	PATIL	PATIL	PATIL	PATIL	PATIL
9	PATIL NIBHAY JAYVANT JYOTI	TE	PATIL	PATIL	PATIL	PATIL	PATIL
10	DANDGAWHAL GRANTHALI SAGAR MANISHA	SE	DANDGAWHAL	DANDGAWHAL	DANDGAWHAL	DANDGAWHAL	DANDGAWHAL
11	JANI VIDHI PRAKASH BHAVANA	BE	JANI	JANI	JANI	JANI	JANI
12	KURADE ABHISIT GANAPATI PRATIBHA	BE	KURADE	KURADE	KURADE	KURADE	KURADE
13	SHAFARIA CHINTAN VIJAY CHANDRIKA	BE	SHAFARIA	SHAFARIA	SHAFARIA	SHAFARIA	SHAFARIA
14	THAKUR OM NILESH SUJATA	BE	THAKUR	THAKUR	THAKUR	THAKUR	THAKUR
15	VYAS HARSH DHANAL SHEVANI	BE	VYAS	VYAS	VYAS	VYAS	VYAS


 Prof. Tejas Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Niyati Raut
 H.O.D.
 (Mechanical Engineering Dept.)





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University of Mumbai
Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. PRAJAPATI PRACHITI GANESH SHILPA
has attended a **Short Term Training Program** on “**ANSYS (Engineering Simulation)**” during the
period 3rd Jan – 7th Jan, 2022 at **Department of Mechanical Engineering, VIVA Institute of
Technology, Shirgaon, Virar.**

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2021-22

Date: 30/12/2021

NOTICE

All the shortlisted students of B.E. Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of **"Introduction to Dye Penetrant Non Destructive Testing (DT) Method"** from 03rd January to 07th January 2022.

Timing:-

1st Session:- 9.00 am - 12.00 pm

2nd session:- 1.00 pm – 4.00 pm

Venue:- CAD CAM Lab



Prof. Tejas Chaudhari

Faculty Co-ordinator



Prof. Niyati Raut

HOD Mechanical



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING
Syllabus & Course Outcomes

Course Name: **Introduction to Dye Penetrant Non Destructive Testing (DT) Method**

Academic Year: **2021-22**

Syllabus:

MODULE	DETAILS	HOURS
1	Module 1: Basic Principles of Non-Destructive Testing Definition and importance of NDT Types of NDT methods Visual testing (VT) Liquid penetrant testing (PT) Magnetic particle testing (MT) Eddy current testing (ET) Radiographic testing method (RT) Ultrasonic testing (UT) Comparison of different NDT methods	5
2	Module 2: Basics of Dye Penetrant Testing Advantages of Ultrasonic Tests Limitations of Ultrasonic Tests Criteria for Successful Testing	4
3	Module 3: Quality Assurance techniques Visible Solvent Removable Water Washable Post Emulsifiable	7
4	Module 4: Inspection steps in Dye Penetrant Testing Pre-cleaning Application of Penetrant Excess Penetrant Removal Application of Developer Inspection Post Cleaning	7



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DEPARTMENT OF MECHANICAL ENGINEERING

5	Module 5: Standards and Codes ASTM (American Society of Testing and Materials) ISO (International Standards Organization) CEN (European Committee for Standardization) ASME (American Society of Mechanical Engineers) NBIC (The National Board of Boiler and Pressure Vessel Inspectors) ISO (International Standards Organization)	7
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Course Outcomes:

SR. NO.	CO CODE	COURSE OUTCOMES
1	CO_1	Apply basic aspects of Inspection to solve engineering problems.
2	CO_2	Understand the basic concept of Dye Penetrant Testing .
3	CO_3	Understand the various Quality Assurance techniques.
4	CO_4	Understand the various Inspection steps in Dye Penetrant Testing.
5	CO_5	Select appropriate Standards and Codes.




Course Duration : 3rd Jan to 7th Jan 2022

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			03/01/2022	04/01/2022	05/01/2022	06/01/2022	07/01/2022
1	ADIVAREKAR VISHAL ATMARAM AMITA	BE	VA	VA	VA	VA	AB
2	ATTAR MOHD HUZAF MOHD IRFAN SAJIDA	BE	AM	AM	AM	AM	AM
3	BHUIANG ANIKET BALASAHEB BABITA	BE	AB	AB	AB	AB	AB
4	CHAUDHARI RIDDHESH NITIN NIDHI	BE	AB	AB	AB	AB	AB
5	CHAVAN SHREYAS SAMEER SAMIKSHA	BE	SS	SS	SS	SS	SS
6	DALVI VAIBHAV EKNATH KALPANA	BE	SS	SS	SS	SS	SS
7	/GAWANDI AISHWARYA ANANT AKSHAYA	BE	AB	AB	AB	AB	AB
8	/GONDHALEKAR AKSHATA PRITAM SUJATA	BE	AP	AP	AP	AP	AP
9	/JAMBHALE SHILPA SHANTARAM SHUBHANGI	BE	SS	SS	SS	SS	SS
10	KENI MILIND GOVIND SANGEETA	BE	MA	AB	MA	MA	MA
11	KHARAT RAHUL SUKHDEV ANITA	BE	RS	RS	RS	RS	RS
12	/KHOPKAR MAYURI CHANDRAKANT CHARULAT	BE	AB	AB	AB	AB	AB
13	MAHYAVANSHI JAYESH RAJESH KUSUM	BE	SS	SS	SS	SS	SS
14	MARAVAR MAHARAJA VENKATACHALAM	BE	AB	AB	AB	AB	AB
15	MISHRA KRISHNA SHASHIBHUSHAN REETA	BE	SS	SS	SS	AB	SS
16	MITHARI SMIT PRADIP UJWALA	BE	SP	SP	SP	SP	SP
17	NAIK DHAVAL SUDHIR SEEMA	BE	SS	AB	SS	SS	SS
18	NAIK PRAJYOT VIJAY VIDYA	BE	PA	PA	PA	PA	PA
19	NARKAR PARAS RAVINDRA RAJANI	BE	PA	PA	AB	PA	PA
20	/PALAV DAKSHA VAIBHAV VAISHALI	BE	DV	DV	DV	DV	DV
21	PANCHAL SHUBHAM UDAY ANAMIKA	BE	SP	SP	SP	SP	AB
22	PARATE MANISH PURUSHOTTAM PUSHPA	BE	MP	MP	MP	MP	MP
23	PARULEKAR OMKAR JAYWANT ROOPAM	BE	AB	MP	MP	MP	MP
24	/PATIL POOJA RAJENDRA UJWALA	BE	PP	PP	PP	PP	PP
25	PATIL RAHUL BHAGWAN SUNITA	BE	PP	AB	PP	PP	PP
26	PATIL VAIBHAV SAKHARAM SUVARNA	BE	SP	SP	SP	AB	SP
27	SAWANT NINAD VIJAY MANALI	BE	SP	SP	SP	SP	SP
28	SHENDE ABHISHEK GANESH BHARATI	BE	AB	AB	AB	AB	AB
29	/THAKUR POOJA HARESHWAR VAISHALI	BE	PP	PP	PP	PP	PP
30	/UPADHYAY SONAM SUBHASHI KARUNA	BE	SP	SP	SP	AB	SP



Prof. Tejas Chaudhari
Faculty Coordinator
(Mechanical Engineering Dept.)



Prof. Nishati Raut
H.O.D.
(Mechanical Engineering Dept.)



Course Duration : 3rd Jan to 7th Jan 2022

Time: 1.00 pm to 3.00 pm

Sr. No.	Name of Students	Class	Date				
			03/01/2022	04/01/2022	05/01/2022	06/01/2022	07/01/2022
1	ADIVAREKAR VISHAL ATMARAM AMITA	BE	AB	AB	AB	AB	AB
2	ATTAR MOHD HUZAIF MOHD IRFAN SAJIDA	BE	AB	AB	AB	AB	AB
3	BHUJANG ANIKET BALASAHEB BABITA	BE	AB	AB	AB	AB	AB
4	CHAUDHARI RIDDHESH NITIN NIDHI	BE	AB	AB	AB	AB	AB
5	CHAVAN SHREYAS SAMEER SAMIKSHA	BE	AB	AB	AB	AB	AB
6	DALVI VAIBHAV EKNATH KALPANA	BE	AB	AB	AB	AB	AB
7	/GAWANDI AISHWARYA ANANT AKSHAYA	BE	AB	AB	AB	AB	AB
8	/GONDHALEKAR AKSHATA PRITAM SUJATA	BE	AB	AB	AB	AB	AB
9	/JAMBHALE SHILPA SHANTARAM SHUBHANGI	BE	AB	AB	AB	AB	AB
10	KENI MILIND GOVIND SANGEETA	BE	AB	AB	AB	AB	AB
11	KHARAT RAHUL SUKHDEV ANITA	BE	AB	AB	AB	AB	AB
12	/KHOPKAR MAYURI CHANDRAKANT CHARULATA	BE	AB	AB	AB	AB	AB
13	MAHYAYANSHI JAYESH RAJESH KUSUM	BE	AB	AB	AB	AB	AB
14	MARAVAR MAHARAJA VENKATACHALAM	BE	AB	AB	AB	AB	AB
15	MISHRA KRISHNA SHASHIBHUSHAN REETA	BE	AB	AB	AB	AB	AB
16	MITHARI SMIT PRADIP UJWALA	BE	AB	AB	AB	AB	AB
17	NAIK DHAVAL SUDHIR SEEMA	BE	AB	AB	AB	AB	AB
18	NAIK PRAJYOT VIJAY VIDYA	BE	AB	AB	AB	AB	AB
19	NARKAR PARAS RAVINDRA RAJANI	BE	AB	AB	AB	AB	AB
20	/PALAV DAKSHA VAIBHAV VAISHALI	BE	AB	AB	AB	AB	AB
21	PANCHAL SHUBHAM UDAY ANAMIKA	BE	AB	AB	AB	AB	AB
22	PARATE MANISH PURUSHOTTAM PUSHPA	BE	AB	AB	AB	AB	AB
23	PARULEKAR OMKAR JAYWANT ROOPAM	BE	AB	AB	AB	AB	AB
24	/PATIL POOJA RAJENDRA UJWALA	BE	AB	AB	AB	AB	AB
25	PATIL RAHUL BHAGWAN SUNITA	BE	AB	AB	AB	AB	AB
26	PATIL VAIBHAV SAKHARAM SUVARNA	BE	AB	AB	AB	AB	AB
27	SAWANT NINAD VIJAY MANALI	BE	AB	AB	AB	AB	AB
28	SHINDE ABHISHEK GANESH BHARATI	BE	AB	AB	AB	AB	AB
29	/THAKUR POOJA HARESHWAR VAISHALI	BE	AB	AB	AB	AB	AB
30	/UPADHYAY SONAM SUBHASH KARUNA	BE	AB	AB	AB	AB	AB





Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE New Delhi, DTE, Govt. of Maharashtra and Affiliated to
University of Mumbai

Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. THAKUR POOJA HARESHWAR VAISHALI
has attended a **Short Term Training Program** on **"Introduction to Dye Penetrant Non Destructive Testing (DT) Method"** during the period 03rd Jan to 07th Jan, 2022 at **Department of Mechanical Engineering**, VIVA Institute of Technology, Shirgaon, Virar.

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



VALUE ADDED COURSE (Online)

Name of Course:	ELECTRICAL INSTALLATION	Branch:	Electrical Engineering
Duration:	30 Hours	Instructors:	Piyali Mondal
Date of Commencement:	22 Feb 2022	Date of conclusion:	18 April 2022

Course Outcomes	
Upon successful completion of the course, the student must be able to	
CO1	To understand practices followed in industries for safety of equipment and personnel.
CO2	To understand basic electrical and electronics concepts, devices and their electrical ratings.
CO3	To understand power transfer systems and their installation practices in industry
CO4	To understand documentation required for installation.

Course Objectives
The objective of this vocational course is to make students understand various installation practices followed in industries for electrical equipment. This course is designed to make students job-ready for the industry by instilling multiple skills in them like electrical drawing and reading, IEEE and IS standards followed in industries, documentation for industries, etc.

Syllabus		
Unit No.	Contents	Hours
1	Health and safety industry practices The regulations, laws and guidance documents associated with the electrical industry, Use equipment on a construction site, Follow safety procedures, practices and policies on construction sites, Carry out electrical safety procedures and practices, Understand environmental protection, structure and roles of individuals and organizations	6
2	Electrical science Understand direct current principles, Understand electromagnetic properties associated with devices under installation, Understand electronic components required for installation with data sheets and drawings.	6
3	Electrical installation Tools commonly used in electrical installation practices, Erect cable containment/management systems used in electrical installation, Install wiring systems and supports used in electrical installation activities, Install accessories and terminate wires as per the regulations	6



4	Power transfer technology Understand how electricity is supplied and the characteristics of consumer's equipment, Understand isolation and protection, Understand automatic disconnection of supply, Understand the principles of final circuits	6
5	Technical documentation with clients Understand technical information with help of IEEE standards, manufacturer guidelines, Drawings used to plan electrical activities, Types of financial information, Types of handover information	6

Learning Resources	
Text Books:	
	1. Trevor Linsley, "Basic electrical installation work", 1989 2. J. B. Gupta, "A Course in Electrical Installation Estimating and Costing", 2013.
Reference Books:	
	1. Tarlok Singh, "Installation Commissioning & Maintenance Of Electrical Equipments", 2013 2. Brian Scaddan, "Electrical Installation Work", 2015



VIVA Institute of Technology, Virar

SUBJECT: *Electrical Installation*

B.E. ELECTRICAL (2021-2022)

SUBJECT INCHARGE: *Prof. Rajesh Mondal*

R. No.	Name	11/3	11/3	14/3	14/3	21/3	21/3	25/3	25/3		
	Time	1:30	3:30	2:30	3:30	2:30	3:30	1:30	2:30		
1	AMEY GAUTAM MOHAN DEETHA	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>		
2	BADVE NIKHAD PRASAD PRAPTI										
3	BHAYDARI PRADIP PRACASH RAGHANA										
4	BHASKHADA ASHISH MAHESH MITA	<i>BT</i>	<i>BT</i>	<i>BT</i>	<i>BT</i>	<i>BT</i>	<i>BT</i>	<i>BT</i>	<i>BT</i>		
5	BHOSLE AMEHA DNYANESHVAR SANGITA										
6	BHOSLARA JITESH ANIL BELA										
7	CHAUHAN ARSHAT SANTAY JAYSHREE	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>		
8	CHAVAN RUTUJA AJAY APARNA	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>		
9	CHODHAN SANGITA PREM SUBAYAN	<i>SC</i>	<i>SC</i>	<i>SC</i>	<i>SC</i>	<i>SC</i>	<i>SC</i>	<i>SC</i>	<i>SC</i>		
10	GAWADE KALINA GOVIND IVOTI										
11	GHARAT NITESH DINESH DIPA										
12	GURILE ADITI SURYAKANT SONAL										
13	GOELVI SUYASH MANOHAR MITALI										
14	GUPTA AVINASHKUMAR DEEPAKAL										
15	GUPTA HARSHAL BHULAN PUNEY	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>		
16	GUPTA PRITI GULSHPRASAD ANITA	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>		
17	GUPTA RAJENDRA DASHRATH MANOJ										
18	HARPARA ANKIT RAJESHKAR	<i>HT</i>	<i>HT</i>	<i>HT</i>	<i>HT</i>	<i>HT</i>	<i>HT</i>	<i>HT</i>	<i>HT</i>		
19	JADHAV SAMESHA KIRANMAY	<i>ST</i>	<i>ST</i>	<i>ST</i>	<i>ST</i>	<i>ST</i>	<i>ST</i>	<i>ST</i>	<i>ST</i>		
20	JADHAV SIDDHI ANIL ANKITA	<i>ST</i>	<i>ST</i>	<i>ST</i>	<i>ST</i>	<i>ST</i>	<i>ST</i>	<i>ST</i>	<i>ST</i>		
21	JADWAL AMITKUMAR NAVALKISHORE										
22	KALE PRADIP PRACASH SUNITA										
23	KAMBLE SHWETA KARENDRA VANITA	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>		
24	KARJURKAR OMKAR VASUDEO VANDANA										
25	KHARDA VE BHAKTI SADASHIV	<i>KB</i>	<i>KB</i>	<i>KB</i>	<i>KB</i>	<i>KB</i>	<i>KB</i>	<i>KB</i>	<i>KB</i>		
26	KOLEKAR KUNHAL VELAS RAKHANA										
27	KUMBHAR VRUSHALI BHALACHANDRA										
28	LAGE NITESH DINESH HETAN										
29	LONG KANESH GADPAT GEETANALI										
30	MAGIYA MELAN KISHOR RAJESH	<i>ML</i>	<i>ML</i>	<i>ML</i>	<i>ML</i>	<i>ML</i>	<i>ML</i>	<i>ML</i>	<i>ML</i>		
31	MARWALA PRATIK RUPY RAJAN	<i>MP</i>	<i>MP</i>	<i>MP</i>	<i>MP</i>	<i>MP</i>	<i>MP</i>	<i>MP</i>	<i>MP</i>		
32	MARSHKAR SACHIN DUNKAR YASHRATI										
33	MEDHATAT SHEETAN RAYENDRA										
34	MURDOKAR ANKUSH SANTAY SERAL										
35	NAGHANTMIER RINA	<i>NJ</i>	<i>NJ</i>	<i>NJ</i>	<i>NJ</i>	<i>NJ</i>	<i>NJ</i>	<i>NJ</i>	<i>NJ</i>		
36	ODHA VIDAL DEEPAKANT MEENA										
37	PACHARDEKAR ASHESHKUMAR ASHOK										
38	PADVE ADESHAT ARJUN ASMITA										
39	PANCHAL JATIN VINODKUMAR HANSA										
40	PARKHRE SHARAD DANDISH SUNITA										
41	PASRUTE POOJA KIRAN KANAL										
42	PATE DASHRATH BHALCHANDRA										
43	PATE OMKAR VIDAY SUKARNA										
44	PATE PAYAL SUNIL SMITA	<i>PN</i>	<i>PN</i>	<i>PN</i>	<i>PN</i>	<i>PN</i>	<i>PN</i>	<i>PN</i>	<i>PN</i>		
45	PATE RUSHIKESH KUNAL KAVITA										
46	PATE SANKHIT GOPAN SEEMA										
47	PAWAR PRADIP RAMESHCHANDRA NARDA	<i>PN</i>	<i>PN</i>	<i>PN</i>	<i>PN</i>	<i>PN</i>	<i>PN</i>	<i>PN</i>	<i>PN</i>		
48	PAWAR KIRAN MARUTI MADHVI	<i>NP</i>	<i>NP</i>	<i>NP</i>	<i>NP</i>	<i>NP</i>	<i>NP</i>	<i>NP</i>	<i>NP</i>		



49	PAWAR PRIYANKA BHAIKU SUNITA *																		
50	PAWAR RAHUL RAJENDRA NIKITA																		
51	PELKE NISANT ITENDRA JAYSHREE																		
52	PIMPLE TANAY HARJENDRA NAMITA																		
53	POGARE SHIRNA DEVIKA BHARATHI																		
54	SANE NEERA PRAKASH NINDA																		
55	SAUT KALPIT MANOJAS MANASHI																		
56	SAWOL PRATIM PANDEKARNATHI																		
57	SATYED ANAADI KASAR NASHI	A	A	A	A	A	A	A	A										
58	SANDE YUGAN BALARAM VIKASHALI																		
59	SAPATE ROHIT SLEEP DIPALJI																		
60	SASE PARAS RAMESH RUPALI																		
61	SAWANT PRATIK RAYENDRA SHABLA																		
62	SAWANT ROMAN VISHWANATH VINAYA																		
63	SHALU KARNADI BONDISH EDGA	ABS	ABS	ABS	ABS	ABS	ABS	ABS	ABS	ABS									
64	SHANVAR CHINTU SHAKATYA PARVATI																		
65	SHINDE RAJ SATISH SHIRDI																		
66	SHINDE RUTBI ANKUSH APOKSHA																		
67	SOLIN SURESH RAMCHANDRA KIRAN																		
68	TARDE AMAY ASHOK ADEWANI																		
69	TENGE PARTH RAUCHANDRA DAYA BEN																		
70	THAKARE SHAYESH SHUKANT SWATI																		
71	THAKARE CHETANA PARASRAM BHARATI																		
72	UPADITYAY VISHAY UMESHKUMAR	Ums Ums Ums Ums Ums Ums Ums Ums																	
73	VANNALI DURGAVESH PRASHANT																		
74	VAZE ANHURISH NITEN NIKITA																		
75	VERJANDE PRATHMESH PRKASH																		
76	VILPADA SURESHA CHITANMAN																		
77	VISHWASARMA PRINCE RAUTHORA	VP	VP	VP	VP	VP	VP	VP	VP	VP									
78	YADAV ANKASH SATISH SHIRDI																		
79	YADAV PANKAJ SURESHCHANDRA																		
80	YADAV JYOTESH MADHUKAR MADHUR																		
NO OF STUDENTS PRESENT																			

Sr No	Date	TOPICS COVERED
1	1/3	Current principles
2	11/3	- Electrical components readings
3	14/3	- Electronic components readings
4	14/3	Dale auto land drawings
5	21/3	Introduction to installation
6	21/3	Cable erection, installation
7	24/3	Tools for installation
8	10/3	wiring system & supports

P. Unmole
SUBJECT INCHARGE



VIVA Institute of Technology, Virar

SUBJECT: *Fluorescent Installation*

B.E. ELECTRICAL (2021-2022)

SUBJECT INCHARGE: *Prof. Piyali Mondal*

R. No.	Name	23/3	28/3	28/3	01/04	V ₁	V ₂	4/4	4/4		
	Time	7:30	2:30	3:30	1:30	1:30	2:30	2:30	3:30		
1	AMIN GAUTAM MOPAN GEETHA	GR	GR	GR	GR	GR	GR	GR	GR		
2	BAKRE NISAD PRASAD PRADIP										
3	BOHARDI PRADIP PRALASH RANGANA										
4	SHARADA ASHISH MAHESH MITA	BT	BT	BT	BT	BT	BT	BT	BT		
5	BHOZE AMBESHA DNYANESHWAR SAMOTA										
6	BHUSARA JYOTI ANIL JOLA										
7	CHANDAN ARSHAY SANJAY JAYDEKHE	BT	BT	BT	BT	BT	BT	BT	BT		
8	CHAYAN SUTUKA AMY APARNA	CP	CP	CP	CP	CP	CP	CP	CP		
9	CHOLHAN SAMIKTA PRM NALAYAN	SL	SL	SL	SL	SL	SL	SL	SL		
10	DAWADE KALINA GOVIND JYOTI										
11	DHARAT HITESH DINESH DIPA										
12	DUSELE ADITI SURYAKANT SONAL										
13	GOSAVE SURYASH MANOHAR METALI										
14	GUPTA AVINASHKUMAR SEWALAL										
15	GUPTA HARSHAL BILULAM POKRY	BT	BT	BT	BT	BT	BT	BT	BT		
16	GUPTA PRITI GURUPRASAD ANITA	BT	BT	BT	BT	BT	BT	BT	BT		
17	GUPTA RAJENDRA BASHIST MANOU										
18	HARFALA ANKIT KAMESHRAJ	BT	BT	BT	BT	BT	BT	BT	BT		
19	JADHAV SAMIKSHA HERANGAN	BT	BT	BT	BT	BT	BT	BT	BT		
20	JADHAV SIDDHI ANIL ANRITA	SD	SD	SD	SD	SD	SD	SD	SD		
21	JATWAL AMITKUMAR NAVAJYOTIRI										
22	KALE PRADIP PRALASH SUNTA										
23	KAMBLE SHWETA NARENDRA YANTA	SK	SK	SK	SK	SK	SK	SK	SK		
24	KAPULE OMKAR VASANT VANDANA										
25	KHARVE SHARAT SADAASHV	KB	KB	KB	KB	KB	KB	KB	KB		
26	KOLEKAR KUSHAL VELAS RANANA										
27	KUMBHAR YASHALI BHALACHANDRA										
28	LASE HITESH BIKAS PUTAN										
29	LOKE KANLESH GANPAT DEETANAGI										
30	MADHYA NILANKUSH RAMBEN	MY	MY	MY	MY	MY	MY	MY	MY		
31	MAKANA PRATIK BISHU BANHAN	MP	MP	MP	MP	MP	MP	MP	MP		
32	MARGOLKAR SACHIN DINKAR VALDEVALI										
33	MENDAYAT SREETISH RAVINDRAN										
34	MURDOKAR ANKUSH SANJAY SEBAL										
35	NANDANI NIKHIL RITA	MY	MY	MY	MY	MY	MY	MY	MY		
36	SONA VISHAL SHASHIKANT MEENA										
37	PACHAREKAR ASHESHKUMAR ASHOK										
38	PADVE AKSHAY ARJUN ASMITA										
39	PANCHAL JATIN YASHODKUMAR HANSA										
40	PARASHI SHARAD GANESH SUNETA										
41	PASWTE POOJA KIRAN KAJAL										
42	PATE DACHHAT BHALCHANDRA										
43	PATE OMKAR VIJAY SURYANA										
44	PATE PAYAL SUNE SISTA	<i>Present</i>	<i>Present</i>	<i>Present</i>	<i>Present</i>	<i>Present</i>	<i>Present</i>	<i>Present</i>	<i>Present</i>		
45	PATE KUSHKESH KUMAR KANTIA										
46	PATE SANJAY KOPAN SEEMA										
47	PAWAR FALGUNI RANJANSANDRA NANDA	<i>Present</i>	<i>Present</i>	<i>Present</i>	<i>Present</i>	<i>Present</i>	<i>Present</i>	<i>Present</i>	<i>Present</i>		
48	PAWAR NIKHIL NARUTS MADHVI	A	A	A	NP	NP	NP	NP	NP		



B.E. ELECTRICAL (2021-2022)

[illegible]

VIVA INSTITUTE OF TECHNOLOGY

(Affiliated to University of Mumbai; Approved by AICTE & DTE)

Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. BHARKHADA ASHISH MAHESH
of **BE Electrical**
has successfully completed value added course on
“**Electrical Installation Guides**”
organized by
Department of Electrical Engineering
for A.Y. 2021-22 from 22-02-2022 to 18-04-2022.



Course Coordinator



Head of Department



VALUE ADDED COURSE

Name of Course:	Printed Circuit Board(PCB) Designing	Branch:	Electrical Engineering
Duration:	30 Hours	Instructors:	Anojkumar Yadav
Date of Commencement:	22 Feb 2022	Date of conclusion:	13 Apr 2022

Course Outcomes

Upon successful completion of the course, the student must be able to	
CO1	To understand the requirements of designing a PCB using software.
CO2	To understand various components required for PCB design and their electrical ratings.
CO3	To use development tools for PCB designing
CO4	To understand design standards and flow charts

Syllabus

Unit No.	Contents	Hours
1	Introduction to PCB designing concepts: Introduction & Brief History: What is PCB, Difference between PWB and PCB, Types of PCBs: Single Sided (Single Layer), Multi-Layer (Double Layer), PCB Materials. Prototyping, eCAD and PCBs, Purpose and Intent, Equipment Computer Circuit Programming and Testing Hardware, PCB Component Hardware, Software, MPLAB X IDE and XC8 Compiler, Understanding the Walkthrough	6



2	Component introduction and their categories: Types of Components: Active Components, Passive Components Component Package Types: Axial lead, Radial Lead, Single Inline Package(SIP), Dual Inline Package(DIP), Transistor Outline(TO), Pin Grid Array(PGA), Metal Electrode Face(MELF), Leadless Chip Carrier (LCC), Small Outline Integrated Circuit(SOIC), Quad Flat Pack(QFP) and Thin QFP (TQFP), Ball Grid Array (BGA), Plastic Leaded Chip Carrier(PLCC)	6
3	Introduction to Development Tools: Introduction to PCB Design using OrCAD tool, Introduction to PCB Design using PROTEUS tool	6
4	Detailed description and practical of PCB designing	6



	PCB Designing Flow Chart, Description of PCB Layers, Keywords & Their Description, PCB Materials, Rules for Track, Study of IPC Standards	
5	Lab practice and designing concepts: Starting the PCB designing, Auto routing, PCB Designing Practice, Post Designing & PCB Fabrication Process, Testing and Troubleshooting Methods	6

Learning Resources	
Text Books:	
	1. Kraig Mitzner, "Complete PCB Design Using OrCad Capture and Layout", 2011
Reference Books:	
	1. "PCB Design for Real-World EMI Control (The Springer International Series in Engineering and Computer Science)" by James Drewniak and Bruce R Archambeault. 2. "PCB Design: Printed Circuit Board" by Michael Dsouza and Dsouza Michael



VIVA Institute of Technology, Virar

SUBJECT: *Tinted CB design*

S.E. ELECTRICAL (2021-2022)

SUBJECT INCHARGE: PROF. *Anojkumar Yadav*

Sl. No.	Name	22/2	23/2	24/2	25/2	26/2	27/2	28/2	29/2	30/2	P	C	T
	Time	3:50	3:30	1:30	2:30	1:30	1:30	2:30	3:30				
1	AMBAT SAGAR SANTOSH	<i>Mu</i>	<i>Alt</i>	<i>Am</i>	<i>A</i>	<i>Am</i>	<i>Am</i>	<i>Alt</i>	<i>Agh</i>	0	7	7	
2	BANGAR HILSHIKESH MANDESH	<i>Bmfr</i>	<i>Bmfr</i>	<i>Bmfr</i>	<i>Bmfr</i>	<i>Bmfr</i>	<i>A</i>	<i>Bmfr</i>	<i>A</i>	0	6	6	
3	BAROT SIYAM GOVIND	<i>SG Bar</i>	<i>SG Bar</i>	<i>SG Bar</i>	<i>SG Bar</i>	<i>SG Bar</i>	<i>A</i>	<i>SG Bar</i>	<i>SG Bar</i>	0	7	7	
4	BRAGAT AALEKH DADAN	<i>Bhnt</i>	<i>Bhnt</i>	<i>Bhnt</i>	<i>Bhnt</i>	<i>A</i>	<i>Bhnt</i>	<i>Bhnt</i>	<i>Bhnt</i>	0	7	7	
5	BSOIR JANHAVI ASHOK												
6	BIND JITENDRA MOTILAL												
7	BOLKE ROHAN RAMESH	<i>RRBh</i>	<i>RRBh</i>	<i>A</i>	<i>RRBh</i>	<i>RRBh</i>	<i>A</i>	<i>RRBh</i>	<i>RRBh</i>	0	6	6	
8	CHAUDHARI VISHNESH SANDESH	<i>A</i>	<i>CVS</i>	<i>CVS</i>	<i>CVS</i>	<i>CVS</i>	<i>CVS</i>	<i>CVS</i>	<i>CVS</i>	0	7		
9	CHAVAN ROSHAN SHIVAJI												
10	DAUDA AADESH JANA	<i>Alidh</i>	<i>Alidh</i>	<i>Alidh</i>	<i>Alidh</i>	<i>Alidh</i>	<i>Alidh</i>	<i>Alidh</i>	<i>Alidh</i>	0	8	8	
11	DHODARE NIVID SURENDRA												
12	FATNAIK ASHISH UDAY	<i>Aufat</i>	<i>Aufat</i>	<i>A</i>	<i>Aufat</i>	<i>Aufat</i>	<i>A</i>	<i>Aufat</i>	<i>Aufat</i>	0	6	6	
13	GADHARI VEDANT SHARAD	<i>VSGa</i>	<i>VSGa</i>	<i>VSGa</i>	<i>VSGa</i>	<i>VSGa</i>	<i>A</i>	<i>VSGa</i>	<i>A</i>	0	6	6	
14	GANYE ALANKAR GOVIND												
15	GHORPADE RUSHIKESH R												
16	GOHEL DHIRUV ATUL	<i>DA Goh</i>	<i>DA Goh</i>	<i>DA Goh</i>	<i>A</i>	<i>DA Goh</i>	<i>DA Goh</i>	<i>DA Goh</i>	<i>DA Goh</i>	0	7	7	
17	GUPTA SUMIT SURAJDIN	<i>SSG</i>	<i>A</i>	<i>SSG</i>	<i>A</i>	<i>A</i>	<i>SSG</i>	<i>SSG</i>	<i>SSG</i>	0	5	5	
18	GURUDA KUNAL KRISHNA												
19	JADHAV AAKASH KISHOR	<i>Jadh</i>	<i>Jadh</i>	<i>Jadh</i>	<i>A</i>	<i>Jadh</i>	<i>Jadh</i>	<i>Jadh</i>	<i>Jadh</i>	0	7	7	
20	JADHAV ROHAN EKNATH												
21	JANATHE HARESH LAXMAN												
22	KADAM KUNAL KISHOR	<i>KK Kad</i>	<i>KK Kad</i>	<i>KK Kad</i>	<i>KK Kad</i>	<i>KK Kad</i>	<i>KK Kad</i>	<i>KK Kad</i>	<i>KK Kad</i>	0	8	8	
23	KADAM NIKHIL VIJAY	<i>A</i>	<i>Nvka</i>	<i>A</i>	<i>Nvka</i>	<i>Nvka</i>	<i>A</i>	<i>Nvka</i>	<i>Nvka</i>	0	5	5	
24	KAMBLE NATH ANAND												
25	KARWANDE VIVEK ANIL	<i>Vakar</i>	<i>A</i>	<i>Vakar</i>	<i>Vakar</i>	<i>A</i>	<i>Vakar</i>	<i>Vakar</i>	<i>Vakar</i>	0	6	6	
26	KESARKAR ROHAN H												
27	KUSHWAHA SUNNY JAYPRAKASH												
28	LATE DEEP DILIP	<i>DD Late</i>	<i>A</i>	<i>DD Late</i>	<i>A</i>	<i>DD Late</i>	<i>A</i>	<i>DD Late</i>	<i>DD Late</i>	0	5	5	
29	MACHHI AMOL JAYHIND												
30	MAHADEK SHREERAKSHINA P												
31	MAHALA NILESH VASANT												
32	MALI MITESH VIKAS	<i>Mahli</i>	<i>Mahli</i>	<i>Mahli</i>	<i>Mahli</i>	<i>Mahli</i>	<i>A</i>	<i>Mahli</i>	<i>Mahli</i>	0	7	7	
33	MESTRY VEDANG PRAVIN												
34	MIATRE PRASHANT MANOJ												
35	NAIK AAKASH JITENDRA												
36	NAIDHARE ANSHU DILIP												



37	PANCHAL DEEPU ASHOK	Dapu	A	A	Dapu	A	Dapu	A	Dapu	0	4	4
38	PARAB HRIK ATMARAM									0		
39	PASITE SNEHAL SURHASH	SP Pat	A	SP Pat	SP Pat	SP Pat	SP Pat	SP Pat	SP Pat	0	7	7
40	PATEL ADNAN NISAR									0		
41	PATEL JAY DILIP											
42	PATHARE MAYUR CHETAN											
43	PATIL BHAGYASHRI PRABHAKAR	Bppt	A	Bppt	Bppt	Bppt	Bppt	Bppt	Bppt	0	7	7
44	PATIL HANIK PAIMAKAR											
45	PATIL PRASAD RAJEEV											
46	PATIL SHRADHA KAILAS											
47	PAUT YASH KISHOR											
48	KEWALE JAY PRAVIN											
49	SARAF RAJ PRADEEP											
50	SAWANT SIDDHESH KIRAN	SSsem	SSsem	SSsem	SSsem	SSsem	SSsem	SSsem	SSsem	0	7	7
51	SHAKH UMAR ISHAQUE											
52	SHUKLA HARSHI RAJESH											
53	SINGH DINKAR RAJESH	Simple	A	Simple	A	Simple	A	Simple	Simple	0	5	5
54	SOLANKI SAHIL TRIBHAM											
55	SONAR ANIKET PRAKASH	Assen	Assen	Assen	Assen	Assen	Assen	Assen	Assen	0	8	8
56	SURVE ROHIT RAJENDRA											
57	TAMORE BHUSHKESH P											
58	VANARE ROHAN TANAJI											
59	VARMA VIRENDRA RANDEV	VrPat	A	VrPat	A	VrPat	A	VrPat	VrPat	0	5	5
NO OF STUDENTS PRESENT												

Sr no	Date	TOPIC COVERED
1	22/2	Introduction to course and history
2	23/2	Types of PCB prototyping
3	25/2	Programming and hardware
4	25/2	PCB component H/W and S/W
5	25/2	MPRAB & JDB
6	4/3	Walkthrough
7	4/3	Types of component
8	4/3	Component package types

Atul K.
SUBJECT INCHARGE

Anojkumar yadav.



VIVA Institute of Technology, Virar

SUBJECT: PCB design

S.E. ELECTRICAL (2021-2022)

SUBJECT INCHARGE: PROF. Anujkumar Yadav

R. No.	Name	24/3	25/3	26/3	27/3	28/3	29/3	30/3	31/3	P	C	T
	Time	2:30	1:30	1:30	1:30	3:30	2:30	1:30	2:30			
1	AMBAT SAGAR SANTOSH	Amu	Amu	A	Amu	Amu	Amu	Amu	Amu	14	6	20
2	BANGAR HIRSHIKESH MANGESH	Bm	Bm	Bm	Bm	A	Bm	Bm	Bm	12	7	19
3	BAROT SHYAM GOVIND	SGBm	A	A	SGBm	A	SGBm	SGBm	SGBm	14	5	19
4	BHAGAT AALEKH DADAN	A	Bhm	Bhm	Bhm	Bhm	Bhm	Bhm	Bhm	14	7	21
5	BHOIR JANGRAVI ASHOK	A										
6	BIND JITENDRA MOTILAL											
7	BOLKE ROHAN RAMESH	RBm	RBm	A	RBm	A	RBm	A	RBm	12	5	17
8	CHAUDHARI VIKHINESH SANDESH	CVm	CVm	CVm	A	CVm	CVm	CVm	CVm	14	7	21
9	CHAVAN ROSHAN SHEVAJI											
10	DAUDA ANDESH JARA	Adm	Adm	Adm	A	A	Adm	Adm	A	14	5	19
11	DHODARE NIVID SURENDRA											
12	FATNAK ASHISH UDAY	AFab	AFab	AFab	AFab	A	AFab	A	AFab	13	6	19
13	GADHARI VEDANT SHARAD	VGm	A	VGm	VGm	A	VGm	A	VGm	14	5	19
14	GANYE ALANKAR GOVIND											
15	GHORPADE RUSHIKESH R											
16	GOHEL DHIRUV ATUL	DAGm	DAGm	DAGm	DAGm	DAGm	DAGm	DAGm	DAGm	13	8	21
17	GUPTA SUMIT SUKARJIN	SSGm	SSGm	A	SSGm	A	A	SSGm	SSGm	10	5	15
18	GURODA KUNAL KRISHNA											
19	JADHAV AAKASH KISHOR	Jadm	A	Jadm	Jadm	Jadm	Jadm	Jadm	Jadm	14	7	21
20	JADHAV ROHAN EKNATH											
21	JANATHE HARESH LAXMAN											
22	KADAM KUNAL KISHOR	KKm	A	KKm	A	KKm	KKm	KKm	KKm	16	6	22
23	KADAM NIKHIL VIJAY	NVKm	A	NVKm	NVKm	NVKm	NVKm	NVKm	NVKm	12	7	19
24	KAMBLE NATHANAND											
25	KARWANDE VIVEK ANIL											
26	KOSARKAR ROHAN H											
27	KUSHWAHA SUNNY JAYPRAKASH											
28	LATE DEEP DILIP	DDm	A	DDm	A	DDm	DDm	DDm	DDm	12	6	18
29	MACHHI ANIL JAYSHED											
30	MAHADIK SHREEKRISHNA P											
31	MAHALA NILESH VASANT											
32	MALE MITESH VIKAS	Mahm	A	Mahm	Mahm	A	Mahm	A	Mahm	12	5	17
33	MESTRY VEDANG PRAVIN											
34	MHATRE PRASHANT MANOJ											
35	NAIK AAKASH JITENDRA											
36	DESARE ANISH DILIP											



									P	C	T
37	PANCHAL DHRUV ANHOK	Dppm	Dppm	Dppm	Dppm	A	Dppm	A	11	6	17
38	PAKAR HIRTIK ATNARAM										
39	PASHE SNEHAL SUBHASH	Sppm	Sppm	Sppm	Sppm	A	Sppm	A	12	6	18
40	PATEL ADHAN NISAR										
41	PATEL JAT DILIP										
42	PATHARE MAYUR CHETAN										
43	PATEL BHAGYASHREE PRADHAKAR	Bppm	A	Bppm	Bppm	A	Bppm	A	13	5	18
44	PATIL HARDIK PADMAKAR										
45	PATIL PRASAD RAJEEV										
46	PATIL SHRADDHA KALAS										
47	RAUT YASH KISHOR										
48	KEWALE JAT PRAVEEN										
49	SARDI RAJ PRADEEP										
50	SAWANT SIDDHESH KIRAN	SSam	SSam	SSam	SSam	A	SSam	SSam	12	7	19
51	SHAIKH LIMEH ISHAQUE										
52	SHUKLA HARSH RAJESH										
53	SINGH DENKAR RAJESH	Singh	Singh	Singh	A	Singh	A	Singh	11	6	17
54	SOLANCI SAHIL TRIKAM										
55	SONAR ANIKET PRAKASH	Assm	Assm	A	Assm	A	Assm	Assm	12	5	17
56	SURVE ROHIT RAJENDRA										
57	TAMORE BHUSHIKESH P										
58	VANARE BOHAN TANAJI										
59	VARMA VIRENDRA RAMDEV	Vppm	Vppm	A	Vppm	A	Vppm	Vppm	11	5	16
NO OF STUDENTS PRESENT											

Sr	Date	TOPIC COVERED
1	9/3	Intro & outline packages
2	25/3	PGFA MELF Lec
3	25/3	small outline IIS
4	25/3	QPF TQFP PUC
5	29/3	development tools
6	30/3	CAD tools
7	1/4	Ther 1
8	1/4	Ther 2

A. P. K.

SUBJECT INCHARGE

Prof. Anojkumar yadav.



VIVA Institute of Technology, Virar

2

SUBJECT: PCB design

S.E. ELECTRICAL (2021-2022)

SUBJECT INCHARGE: PROF. Anshuma Yadav

R. No.	Name	8/3	9/3	11/3	11/3	11/3	14/3	15/3	22/3	P	C	T
	Time	7:30	8:30	1:30	2:30	3:30	8:30	9:30	3:30			
1	AMBAT SAGAR SANTOSH	Am	Am	Am	Am	Am	Am	A	Am	7	7	14
2	BANGAR HRUSHIKESH MANGESH	Bm	Bm	A	Bm	Bm	Bm	A	Bm	6	6	12
3	BAROT SHYAM GOVIND	Sg	Bm	Sg	Bm	Sg	Bm	A	Sg	7	7	14
4	BHAGAT AALESH DADAN	Bh	Bh	Bh	Bh	Bh	Bh	A	Bh	7	7	14
5	BHOIR JANHAVI ASHOK											
6	BIND JITENDRA MOTILAL											
7	BOLKE ROHAN RAMESH	Rb	Rb	Rb	A	Rb	Rb	A	Rb	6	6	12
8	CHAUDHARI VIGHNESH SANDESH	Cv	Cv	Cv	Cv	A	Cv	Cv	Cv	7	7	14
9	CHAVAN ROHAN SHIVAJI											
10	DAUDA AADISH JANA	Ad	A	Ad	Ad	Ad	Ad	A	Ad	8	6	14
11	DHODARE NIVID SURENDRA											
12	FATNAIK ASHISH UDAY	Af	Af	Af	Af	Af	Af	A	Af	6	7	13 (13)
13	GADHARI VEDANT SHARAD	Vg	Vg	Vg	Vg	Vg	Vg	Vg	Vg	6	8	14
14	GANVE ALANKAR GOVIND											
15	GHORPADE RUSHIKESH R											
16	GOHIL DEEPU ATUL	Dg	Dg	Dg	A	Dg	Dg	A	Dg	7	6	13
17	GUPTA SUMIT SURAJDIN	Ssg	A	Ssg	Ssg	A	Ssg	A	Ssg	5	5	10
18	GURKHA KUNAL KRISHNA											
19	JADHAV AAKASH KISHOR	Jd	Jd	A	Jd	Jd	Jd	Jd	Jd	7	7	14
20	JADHAV ROHAN EGNATH											
21	JANATHE HAKESH LAXMAN											
22	KADAM KUNAL KISHOR	Kk	Kk	Kk	Kk	Kk	Kk	Kk	Kk	8	8	16
23	KADAM NIKHIL VIJAY	Nk	Nk	Nk	Nk	Nk	A	Nk	Nk	5	7	12
24	KAMBLE HATHI ANAND											
25	KARWANDE VIVEK ANIL											
26	KESARKAR ROHAN H											
27	KUSHWAHA SUNNY JAYPRAKASH											
28	LATE DEEP DILIP	Dd	A	Dd	Dd	Dd	Dd	Dd	Dd	5	7	12
29	MACHHE AMOL JAYHIND											
30	MAHADIK SHREEKRISHNA P											
31	MAHALA NILESH VASANT											
32	MAJMITESH VIKAS	Md	A	Md	A	Md	Md	Md	A	7	5	12
33	MESTRY VEDANT PRAYAN											
34	MISATRE NASHANT MANOJ											
35	NAIK AAKASH JITENDRA											



										P C T		
37	PANCHAL DHIRUV ASHOK	Dapn	Dapn	Dapn	Dapn	Dapn	A	Dapn	Dapn	4	7	11
38	PARAB HETIK ATHARAM											
39	PASHTE SNEHAL SUMHASH	Sppn	A	Sppn	A	Sppn	A	Sppn	Sppn	7	5	12
40	PATEL ADNAN NISAR											
41	PATEL JAY DILIP											
42	PATHARE MAYUR CHETAN											
43	PATEL BHAGYASHRI PRABHAKAR	Bppn	Bppn	Bppn	Bppn	A	Bppn	Bppn	A	7	6	13
44	PATEL HARDIK PADMAKAR											
45	PATEL PRASAD RAJEEV											
46	PATEL SHRADHA KAILAS											
47	RAUT YASH KISHOR											
48	REWALE JAY PRAVIN											
49	SAROI RAJ PRADEEP											
50	SAWANT SIDDHESH KIRAN	SSan	SSan	A	SSan	SSan	A	A	SSan	7	5	12
51	SHAIKH UMER ISHAQUE											
52	SHUKLA HARSH RAJESH											
53	SINGH DODDAR RAJESH	SinD	SinD	SinD	SinD	SinD	A	SinD	A	5	6	11
54	SOLANKI SAHIL TRUKAM											
55	SONAR ANKIT PRAKASH	Assn	Assn	Assn	A	Assn	Assn	A	A	8	4	12
56	SURVE ROHIT RAJENDRA											
57	TAMORE RHUSHIKESH P											
58	VANARE ROHAN TANAJI											
59	VARMA VIRENDRA RAMDEV	VrDe	A	VrDe	VrDe	A	VrDe	VrDe	VrDe	5	6	11
NO OF STUDENTS PRESENT												

Sr no	Date	TOPIC COVERED
1	8/3	Protius Tool kit
2	9/3	Protius tool kit
3	11/3	Flow chart writing
4	11/3	Flow chart writing
5	11/3	PCB layout
6	14/3	Keywords & description
7	01/3	PCB material track rules
8	21/3	EPC standards

[Signature]
SUBJECT INCHARGE

Anojkumar yadav.



VIVA Institute of Technology, Virar

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SUBJECT: *PCB design*

S.E. ELECTRICAL (2021-2022)

SUBJECT INCHARGE: PROF. *Anand Kumar Yadav*

R. No.	Name	1/4	1/4	5/4	6/4	7/4	10/4	10/4	13/4	P	C	T
	Time	2:30	2:30	2:30	2:30	2:30	2:30	3:30	3:30			
1	ANBAT SAGAR SANTOSH	<i>Am</i>	<i>A</i>	<i>AAm</i>	<i>Am</i>	<i>A</i>	<i>Am</i>	<i>Am</i>	<i>A</i>	20	5	25
2	BANGAR HRUSHIKESH MANGESH	<i>A</i>	<i>Bm</i>	<i>Bm</i>	<i>Bm</i>	<i>A</i>	<i>A</i>	<i>Bm</i>	<i>A</i>	19	4	23
3	BAROT SHYAM GOVIND	<i>A</i>	<i>SGBm</i>	<i>A</i>	<i>SGBm</i>	<i>SGBm</i>	<i>A</i>	<i>SGBm</i>	<i>SGm</i>	19	5	24
4	BHAGAT AALEKH DADAN	<i>A</i>	<i>Bhad</i>	<i>Bhad</i>	<i>Bhad</i>	<i>Bhad</i>	<i>Bm</i>	<i>Bhad</i>	<i>A</i>	21	6	27
5	BHOIR JANDEVI ASHOK											
6	BINO JITENDRA MOTILAL											
7	BOLKE ROHAN RAMESH	<i>RRB</i>	<i>RRBm</i>	<i>RRBm</i>	<i>RRB</i>	<i>A</i>	<i>RRB</i>	<i>RRB</i>	<i>RRB</i>	17	7	24
8	CHAUDHARI VIGHNESH SANDESH	<i>A</i>	<i>CNS</i>	<i>A</i>	<i>CNS</i>	<i>A</i>	<i>CNS</i>	<i>A</i>	<i>CNS</i>	21	4	25
9	CHAVAN ROHAN SHEVAJI									1		
10	DAUDA AADESH JANA	<i>Adh</i>	<i>A</i>	<i>Adh</i>	<i>A</i>	<i>Adh</i>	<i>Adh</i>	<i>Adh</i>	<i>Adh</i>	19	6	25
11	DEHODARE NEVIL SURENDRA											
12	FATHAL ASHISH UDAY	<i>AFat</i>	<i>A</i>	<i>A</i>	<i>AFat</i>	<i>A</i>	<i>AFat</i>	<i>A</i>	<i>AFat</i>	19	4	23
13	GADHARI VEDANT SHARAD	<i>VSGm</i>	<i>A</i>	<i>VSGm</i>	<i>VSGm</i>	<i>VSGm</i>	<i>A</i>	<i>VSGm</i>	<i>VSGm</i>	19	6	25
14	GANVE ALANKAR GOVIND											
15	GHORPADE RUSHIKESH R											
16	GORIL DHIRUV ATUL	<i>DAGm</i>	<i>A</i>	<i>A</i>	<i>DAGm</i>	<i>A</i>	<i>DAGm</i>	<i>DAGm</i>	<i>DAGm</i>	21	5	26
17	GUPTA SUMIT SURAJDIN	<i>SSG</i>	<i>SSG</i>	<i>A</i>	<i>SSG</i>	<i>A</i>	<i>SSG</i>	<i>A</i>	<i>SSG</i>	15	5	20
18	GURODA KUNAL KRISHNA											
19	JADHAV AAKASH KISHOR	<i>Joah</i>	<i>A</i>	<i>Joah</i>	<i>A</i>	<i>Joah</i>	<i>A</i>	<i>A</i>	<i>Joah</i>	21	4	25
20	JADHAV ROHAN EKNATH											
21	JANATEE HARISH LAXMAN											
22	KADAM KUNAL KISHOR	<i>KKK</i>	<i>A</i>	<i>KKK</i>	<i>A</i>	<i>KKK</i>	<i>A</i>	<i>KKK</i>	<i>KKK</i>	22	4	26
23	KADAM NIKHIL VIJAY	<i>A</i>	<i>NVKm</i>	<i>NVK</i>	<i>A</i>	<i>NVKm</i>	<i>NVKm</i>	<i>NVKm</i>	<i>NVKm</i>	19	6	25
24	KAMBLE NATH ANAND											
25	KARWANDE VIVEK ANIL											
26	KESARKAR ROHAN H											
27	KUSHWAHA SUBHNY JAYPRAKASH											
28	LATE DEEP DILIP	<i>A</i>	<i>DDLa</i>	<i>A</i>	<i>DDLa</i>	<i>A</i>	<i>DDLa</i>	<i>DDLa</i>	<i>DDLa</i>	18	5	23
29	MACHHI AMOL JAYHIND											
30	MAHAJIK SHREEKRISHNA P											
31	MARALA NILESH VASANT											
32	MALI MITESH VIKAS	<i>Mali</i>	<i>Mali</i>	<i>A</i>	<i>Mali</i>	<i>Mali</i>	<i>A</i>	<i>Mali</i>	<i>A</i>	17	5	22
33	MESTRY VEDANG PRAYIN											
34	MEHTRE PRASHANT MANOJ											
35	NAIK AAKASH JITENDRA											
36	PANDEY ANISH DILIP											



37	PANCHAL DHRUV ASHOK	Dppm	A	Dppm	A	Dppm	A	Dppm	Dppm	17	4	21
38	PARABHARTIK ATMARAM	SSPm	SSPm	SSPm	SSPm	SSPm	A	SSPm	A	18	6	24
39	PASHE SNEHAL SUBHASH											
40	PATEL ADNAN NISAR											
41	PATEL JAY DILIP											
42	PATHARE MAYUR CHETAN	Bppm	Bppm	Bppm	Bppm	Bppm	Bppm	A	Bppm	18	7	25
43	PATIL DEEPAKASHI PRADHAKAR											
44	PATIL HARDEK PADMAKAR											
45	PATEL PRASAD RAJESH											
46	PATIL SHRADDHA KARAS											
47	RAUT YASHKINOR											
48	REWALE JAY PRAVIN											
49	SAROI RAJ PRADEEP											
50	SAWANT NIDHESH KIRAN	SSKm	SSKm	SSKm	SSKm	SSKm	A	SSKm	A	19	6	25
51	SHAIKH UMER ISHAQUE											
52	SHUKLA HARSH RAJESH	SSm	SSm	SSm	SSm	SSm	SSm	SSm	SSm	17	8	25
53	SINGH DINKAR RAJESH											
54	SOLANKI SAHIL TRICAM	A	APm	APm	APm	APm	APm	APm	A	17	6	23
55	SONAR ANIKET PRAKASH											
56	SURVE ROHIT RAJDEEPA											
57	TAMORE BHUSHIKESH T											
58	VANARE ROHAN TANAI	Wpm	A	Wpm	A	Wpm	Wpm	A	Wpm	16	10	21
59	VARMA VELENDRA RAMDEV											
NO OF STUDENTS PRESENT												

Sr no	Date	TOPIC COVERED
1	1/4	Lab practical session
2	1/4	-Auto routing
3	1/4	-Auto routing
4	5/4	PCB design practice
5	6/4	Test design & fabrication
6	12/4	-Testing & trouble shoot
7	12/4	Report 1
8	13/4	Report 1


SUBJECT INCHARGE

Prof. Anojkumar Yadav.



VIVA INSTITUTE OF TECHNOLOGY

(Affiliated to University of Mumbai; Approved by AICTE & DTE)

Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Dauda Aadesh Jana
of class SE Electrical
has successfully completed value added course on
“Printed Circuit Board Design”
organized by

Department of Electrical Engineering

for A.Y. 2021-22 from 22nd Feb 2022 to 13th Apr 2022.



Prof. Anilkumar Yadav

Course Coordinator



Prof. Bhushan Save

Head of Department



VALUE ADDED COURSE (Online)

Name of Course:	Electrical Safety Practices	Branch:	Electrical Engineering
Duration:	30 Hours	Coordinator:	Prof. Mukesh Mishra
Date of Commencement:	22 Feb 2022	Date of Conclusion:	19 Apr 2022

Course Outcomes	
Upon successful completion of the course, the student must be able to	
CO1	Understand the Indian power sector organization and Electricity rules, electrical safety in residential, commercial, agriculture, hazardous areas and use of fire extinguishers.
CO2	Outline the electrical safety during installation, testing, and commissioning procedures.
CO3	Make use of specifications of electrical plants and classification of safety equipment for various hazardous locations.
CO4	Distinguish various fire extinguishers and their classification.

Syllabus		
Unit No.	Contents	Hours
1	Introduction To Electrical Safety, Shocks And Their Prevention: Term and definitions, objectives of safety and security measures, Hazards associated with electric current and voltage, who is exposed, principles of electrical safety, Approach to prevent Accidents, the scope of subject electrical safety. Primary and secondary electrical shocks, possibilities of getting an electrical shock and its severity, medical analysis of electric shocks and its effects, shocks due to flash/ Spark over's, prevention of shocks, safety precautions against contact shocks, flash shocks, burns, residential buildings, and shop.	6



2	Overview of the Safety Model: Wiring and fitting, Domestic appliances, water tap giving a shock, shock from the wet wall, fan firing shock, multi-storied building, Temporary installations, Agricultural pump installation, Do's and Don'ts for safety in the use of domestic electrical appliances.	6
3	Electrical Hazards recognizing and Evaluating Preliminary preparations, safe sequence, the risk of plant and equipment, safety documentation, field quality, and safety, personal protective equipment, safety clearance notice, safety precautions, safeguards for operators, safety.	6
4	Controlling Hazards: Safe Work Environment: Hazardous zones, class 0, 1 and 2, spark, flashovers, and corona discharge and functional requirements, Specifications of electrical plants, equipment for hazardous	6



	locations, Classification of equipment enclosure for various hazardous gases and vapors, classification of equipment/enclosure for hazardous locations.	
5	Controlling Hazards: Safe Work Practices: Fundamentals of fire, initiation of fires, types; extinguishing techniques, prevention of fire, types of fire extinguishers, fire detection and alarm system; CO ₂ and Halogen gas schemes; foam schemes, Ladder safety fact sheet, Avoid wet working conditions and other dangers, Avoid overhead powerlines	6

Learning Resources	
Text Books:	
	1. Rao, S. and Saluja, H.L., “Electrical Safety, Fire Safety Engineering and Safety Management”, Khanna Publishers, 1988.
Reference Books:	
	1. Cooper. W.F, “Electrical safety Engineering”, Newnes-Butterworth Company, 1978. 2. John Codick, “Electrical safety handbook”, McGraw Hill Inc., New Delhi, 2000. 3. Nagrath, I.J., and Kothari, D.P., “Power System Engineering”, Tata McGraw Hill, 1998. 4. Wadhwa, C.L., “Electric Power Systems”, New Age International, 2004.



①

T.E. ELECTRICAL (2021-2022)

T.E. ELECTRICAL (2021-2022)

At: Shingaoan
Post: Virar,
Tal.: Vasai,
Dist. Palghar

VIVA Institute of Technology, Virar

SUBJECT: Electrical Safety Practices
SUBJECT INCHARGE: Mr. Rakesh Mishra

T.E. ELECTRICAL (2021-2022)

2

R. No.	Name	10/3	14/3	15/3	16/3	17/3	18/3	21/3	22/3	P	C	T
	Time	3:30	3:30	2:30	3:30	2:30	2:30	3:30	2:30			
1	ABHIR NAYAR PANDIT SHAILA	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	7	8	15
2	ALI SALMAN MAHBOOB RAJESHA											
3	ANIKAR SUSH PRASAD SNEHA											
4	BAIT SAURABH MOHAN HANITA											
5	BALAMERUGAIAH MUKESH BALA	M.B.B.	M.B.B.	M.B.B.	M.B.B.	M.B.B.	M.B.B.	M.B.B.	M.B.B.	8	8	16
6	BHATT CHARMY PRANAV BELA	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	A	Prabhu	7	7	14
7	CHAKRABARTI ABHIRAM RAVAN SNEHA	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	A	Prabhu	7	7	14
8	CHAUHAN HARSH SURYAKANT PRITI											
9	CHAVAN DIPESH ARUN ANURADHA											
10	CHAVAN ROHAN VINOD VANITA	Prabhu	Prabhu	Prabhu	A	Prabhu	Prabhu	A	Prabhu	7	6	13
11	CHAVI GAURAV GANPAT GEETA											
12	DANDODARA DHARMESH JAGDISH BHAI											
13	DARJE SIDDHESH KANDIKISHOR	Gidhar	Gidhar	Gidhar	Gidhar	Gidhar	Gidhar	Gidhar	Gidhar	7	8	15
14	DHADAGA MOHAN BANSIDH KAMU	Prabhu	Prabhu	Prabhu	A	Prabhu	Prabhu	Prabhu	Prabhu	7	7	14
15	GAMAI ROHAN ANAND SHASHIPRABHA	Prabhu	Prabhu	Prabhu	A	Prabhu	Prabhu	Prabhu	Prabhu	7	7	14
16	GHARAT AJINYA PRASHAKAR SUNITA											
17	GIRI PRAVIN RANJEET GAYATRI	Gidhar	Gidhar	Gidhar	Gidhar	Gidhar	Gidhar	A	A	8	6	14
18	GOUDAR MANDI SELVAM SHARESHA	M.B.B.	M.B.B.	M.B.B.	M.B.B.	M.B.B.	M.B.B.	M.B.B.	M.B.B.	8	8	16
19	GUTARE NARESH UTTAM REDHA	Prabhu	Prabhu	Prabhu	Prabhu	A	Prabhu	Prabhu	Prabhu	6	7	13
20	GUTARI ABHINAVSINDHAR SITARAM	Prabhu	Prabhu	Prabhu	Prabhu	A	Prabhu	Prabhu	Prabhu	6	7	13
21	GUPTA RAHUL HARSHAR VINLA DEVI											
22	GUPTA SURAJ KISHANLAL SANDHEETA											
23	HOLMURKE AKASH ASHOK GAURI	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	7	8	15
24	JADHAV PRANAV PRASHANT PRANALI	Prabhu	A	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	6	7	13
25	JAMBLE SHUBHAM LALASABER	Prabhu	A	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	8	7	15
26	KAP ANU RAMAKANT ANITA											
27	KATELA ANAND GANGARAM	KATELA	KATELA	KATELA	KATELA	KATELA	KATELA	KATELA	KATELA	7	8	15
28	KATKAR YASHODDEEP SHRIKANT	KATELA	KATELA	KATELA	KATELA	KATELA	KATELA	A	KATELA	8	7	15
29	KHARDE ATISH ANKUSH ADITHYAN	KATELA	KATELA	KATELA	KATELA	KATELA	KATELA	KATELA	KATELA	7	8	15
30	KUBAL PRATHMESH CHANDRASHREEHAR											
31	KUMHAR PRANCIANDRA HERALAL											
32	LADHAVA KIRUSHALI RAMESH KUMAR	KATELA	KATELA	KATELA	A	KATELA	KATELA	KATELA	KATELA	7	7	14
33	MACHIDI SIDDHARTH SURESH SUREKHA	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	8	8	16
34	MALASHE ADWAIT HARISHCHANDRA	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	8	8	16
35	MUNANI SAGAR RAMESH KAMA											
36	MURCHANDI NILESH GAUTAM											
37	MORE KUTRIK SUDAS MORE											
38	MURADAM AFFAN ASLAM SHIRAT											
39	PARMAR RAHUL BHUPENDRABHAI	Prabhu	A	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	8	7	15
40	PASITE ASHITA ASHOK ASHWINI											
41	PASITE MUTALI YASUDEV VISHAKHA											
42	PASITE SEJAL SUBHANSI SHUBHANGI											
43	PATEL JGAR KIRIT RITA	Prabhu	Prabhu	Prabhu	A	Prabhu	Prabhu	Prabhu	Prabhu	8	7	15
44	PATEL ANKIT CHANDRAKANT DEEYAN											
45	PATEL BHAVIN MAHENDR TRUPTI											
46	PATEL CHINMAY RAJESH SANGHITA											
47	PATEL DHANESH BENE SUKRETA	Prabhu	Prabhu	Prabhu	Prabhu	Prabhu	A	Prabhu	Prabhu	8	7	15

VIVA Institute of Technology, Virar

SUBJECT: *Electrical Safety Practices*
 SUBJECT INCHARGE: *Prof. Mahesh Mishra*

T.E. ELECTRICAL (2021-2022)

3

R. No.	Name	22/3	24/3	26/3	28/3	29/3	30/3	31/3	1/4	2/4	P	C	T
	Time	2:30	2:30	3:30	3:30	2:30	3:30	3:30	3:30	3:30			
1	ABHIR MAYURAJ PANDIT SHUKLA	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	A	PP/anti	15	7	22
2	ALI KASHAN MAHMOOD KAREEM												
3	AREKAR SUSHIL PRASAD SHIRGA												
4	BAIT SAKSHI MOHAN MANTA												
5	BALAKRISHNAN MURUGESH BALA	MBA	MBA	MBA	A	MBA	MBA	MBA	MBA	MBA	16	7	23
6	BHATT CHIRANJY PIVAKY BELA	QB/anti	QB/anti	QB/anti	QB/anti	QB/anti	QB/anti	QB/anti	QB/anti	QB/anti	14	8	22
7	CHANDRASEKHAR ADARSH IVAN SNEHAL	no class	no class	no class	no class	no class	no class	no class	no class	no class	14	8	22
8	CHANDRAN HARSH PURYAKANT PRITI												
9	CHAYAN DINESH ARON ANURADHA												
10	CHAYAN ROHAN VINOD VANITA	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	A	13	7	20
11	DALVI GAURAV GANPAT DEETA												
12	DANDODARA DHARMESH JAGDISH DESAI												
13	DARKE SUDHESH NANDRISHOR	PP/anti	PP/anti	PP/anti	A	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	15	7	22
14	DEENDARA MOHAN BANGSHU KAMU												
15	GAWAI ROHAN ANAND SHASHIPRAHA	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	14	8	22
16	GHARAT AJINKYA PRABHAKAR SUNTA												
17	GIRI PRATIN RANJEET GAYATHI	GA	GA	GA	GA	GA	GA	GA	GA	GA	14	8	22
18	GOUDAR MANOJ SELVAM SURESHA	no class	no class	no class	A	no class	no class	no class	no class	no class	16	7	23
19	GUTARE MAHESH UTTAM RESHA												
20	GURAI ABHINAVSINDAR SITARAM	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	A	13	7	20
21	GUPTA RAHUL HARSHAR VINLA DEVI												
22	GUPTA SURAJ KISHANLAL SANDRETA												
23	HOLMURGE AKASH ASHOK GARE	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	15	8	23
24	JADHAV PRANAY PRABHAKAR PRANALI	PP/Jagan	PP/Jagan	PP/Jagan	PP/Jagan	PP/Jagan	PP/Jagan	PP/Jagan	PP/Jagan	PP/Jagan	13	8	21
25	JANGAM PRANAY PRANOD PRANALI	SLK	SLK	SLK	SLK	SLK	SLK	SLK	SLK	SLK	15	8	23
26	KAMBLE SURESH LALASABHI												
27	KAP ANIL RAMAKANT ANITA												
28	KATELA ANAND GANGARAM	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	15	7	22
29	KATKAR YASHDEEP SHIKHANT	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	15	8	23
30	KHARDE ATISH AYUSHASHI ASHWINI	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	15	8	23
31	KUBAL PRATHINESH CHANDRASHEDKAR												
32	KUSHNAR PRAMODLONDRA HIRALAL												
33	LADHAVA KESHUHALI RAMESHOMAR	PP/anti	PP/anti	PP/anti	A	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	14	7	21
34	MACHHE SIDDHARTH SURESH SURESHA												
35	MALABRE ADWAIT JAYDESHCHANDRA	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	16	7	21
36	MANANI SAGAR RAMESH RAMA												
37	MAHCHANDRE VELESH GUTAM												
38	MOKE RUTHIK SUDAS MOHINI												
39	MUKADAM ANFAN ASLAN ISHRAF												
40	PAGHAR KADRE BHUPENDRABHAI	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	15	8	23
41	PASITE ASHMITA ASHOK ASHWINI												
42	PASITE METALI VASUDEVI VEERABHA												
43	PASITE SITAL SURESH SHIRBHANGI												
44	PATEL JHAR KIRIT RITA	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	PP/anti	15	8	23
45	PATIL ANKIT CHANDRABHANT DEOTANI												
46	PATEL BHAVIN MARTAND TRUPTI												
47	PATEL CHINMAY RAJESH SANGEETA												
48	PATEL DHANESH SUNE SUCIOTA	PP/anti	PP/anti	PP/anti	PP/anti	A	PP/anti	PP/anti	PP/anti	PP/anti	15	7	22



VIVA Institute of Technology, Virar

SUBJECT: Electrical Safety Practices
 SUBJECT INCHARGE: Mr. Mukesh Mishra

T.E. ELECTRICAL (2021-2022)

(4)

R. No.	Name	5/4	11/4	17/4	23/4	29/4	5/5	P	C	T
	Time	8:30	3:30	1:30	5:30	3:30	5:30			
1	MIRSI MAYURAJ PANDIT SHALEA	MPN	MPN	MPN	A	MPN	MPN	22	5	27
2	ALI SALMAN NAJIBOON RAZESHIA									
3	ANIKAR SHILPI PRASAD SNEHA									
4	BAIT SALTASH MOHAN MANITA									
5	BALANTRUGAJAN NURESH DALA	M.B.B	M.B.B	M.B.B	M.B.B	M.B.B	M.B.B	23	6	29
6	BHATT CHAKRY PRACHIN BELA	CPB	CPB	CPB	CPB	CPB	CPB	22	6	28
7	CHALDHARI ABHISHEK JYAN SINDHAL	ASD	ASD	ASD	A	ASD	ASD	22	5	27
8	CHANDHAN HARSHI SURYAKANT PRITI									
9	CHAYAN DIPESH ARUN ASURADHA									
10	CHAYAN ROHAN VEED YANTIA	PUB	PUB	PUB	A	PUB	PUB	20	5	25
11	DALVI GANESH GANPAT GEETA									
12	DANGODARA DHARMESH JAGDESH BHAI									
13	DARJE SIDDHESH NANDKISHOR	SIL	SIL	SIL	SIL	SIL	SIL	22	6	28
14	DEADAGA MOHAN BANOBU KAMU									
15	GAWAR MOHAN ANAND SHASHIPRABHA	PCH	PCH	A	PCH	PCH	PCH	22	5	27
16	GIRSAT AJINKYA PRADEEAKAR SUNEA									
17	GIRI PRAYAN RANDEET GAYATRI	GIR	GIR	A	GIR	GIR	GIR	22	5	27
18	GOUDARIMANDI SELVAN SHARDRA	SG	SG	SG	SG	SG	SG	23	6	29
19	GUTARE MAHESH UTTAM KESHA									
20	GUTARE ABHINAVSUDHAR SITARAM	ASG	ASG	ASG	ASG	ASG	ASG	20	6	26
21	GUPTA RAHUL HARSHAR VINLA DEVI									
22	GUPTA SURAJ KESHANIL SANDEEPA									
23	HOLMURDE AKASH ASHOK GAURI	PRO	PRO	A	PRO	PRO	PRO	23	5	28
24	JADHAV PRANAY PRAKASH PRANALI									
25	JANGAM PRANAY PRANOD PRANALI	P.P.J	A	P.P.J	A	P.P.J	P.P.J	21	4	25
26	KAMBLE SHUBHAM LAL ASARESH	SLK	SLK	SLK	SLK	SLK	SLK	23	6	29
27	KAP ANIL RANAKANT ANITA									
28	KATELA ANAND GANSHAM	KATELA	KATELA	KATELA	KATELA	KATELA	A	22	5	27
29	KATKAR YASHODHAR SHREKANT	KATKAR	KATKAR	KATKAR	KATKAR	A	KATKAR	23	5	28
30	KHARDE ATISHA ANVASHA ASHWINI	KHARDE	KHARDE	KHARDE	KHARDE	KHARDE	KHARDE	23	6	29
31	KOLBAL PRATIMESH CHANDRAKESHERAM									
32	KUMHAR PREMTHANDRA JERALAL									
33	LADHAVA KESHAVARANCHESHBHAR	LADHAVA	A	LADHAVA	LADHAVA	LADHAVA	LADHAVA	21	5	26
34	NANDORI DEEPAKTH SURESH SURDOLA									
35	NALASHE ASHRAUT HARISHOGANDRA	NALASHE	NALASHE	NALASHE	NALASHE	NALASHE	NALASHE	21	6	27
36	NAZKANI SAGAR RAMESH RAMA									
37	NARSHANDE NILESH GAUTAM									
38	NORE IBUTIKEN SENGAS MOHEN									
39	NIKADAM ANFAN ASLAM ISHABAT									
40	PARMAR RAHUL BHUPENDERABHAI	PARMAR	PARMAR	PARMAR	PARMAR	PARMAR	PARMAR	23	6	29
41	PASITE ASMITA ASHOK ASHWINI									
42	PASITE MITALI VASUDEV NISHAKHA									
43	PASITE SHELAL BISHWAS SHUBHANGI									
44	PATEL ROAR KIRIT RITA	PATEL	PATEL	PATEL	PATEL	A	PATEL	23	5	28
45	PATIL ANKIT CHANDRABANT DEOYANI									
46	PATE, BHAVEN MARYAND TRUPTI									
47	PATIL CHENMAY RAJESH SANGEETA									
48	PATIL DINDESH SUNIL SUCHITA	D.PATIL	D.PATIL	D.PATIL	D.PATIL	A	D.PATIL	22	5	27



VIVA INSTITUTE OF TECHNOLOGY

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Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Gujari Abhinna Sundar Sitaram
of **TE Electrical**
has successfully completed value added course on
“ELECTRICAL SAFETY PRACTICES”
organized by
Department of Electrical Engineering
for A.Y. 2021-22 from 22 FEB 2022 to 19 April 2022.



Prof. Mukesh Mishra

Course Coordinator



Prof. Bhushan Save

Head of Department





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SEMESTER VIII

Course Name: Microsoft Project Manager

Academic Year: 21 - 22

Resource person: Mrs. Monica More

Conducted as per time table for the respective subject

Hours: 30

Objectives:

1. Plan for a project in detail
2. To use templates which creates projects in project 2017
3. To create, manage, schedule and track all the imputed resources
4. To create, manage, assign and track tasks of all inputted resources
5. To work with deadline and constraints
6. To use dependencies to help schedule tasks
7. To run reports.

Course Outcomes

At the end of the course, learners will be able to understand :

1. The functions involved in software related to civil engineering projects.
2. How to prioritize tasks, define expectations and prepare schedule.
3. Will know tracking and managing resources throughout the project.
4. To create and tracking budgets and sharing calendars with the team.
5. Learn about risk management involved in project management.





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Detailed Syllabus

Chapter 1: An Introduction to Project Management.....03hours

Recognize when to use project management, role as a project manager is to deliver a project, communications, influence, and careful use of authority all play a major factor in the support you receive to complete the project, Project managers frequently find themselves with the challenge of adding new scope to a project with an already tight timeline. Typically, the job of the project manager is to work with their team to determine what this new scope will mean and how it will affect the project, building and tracking project schedules.

Chapter 2: The Microsoft Project User Interface.....05 hours

To recognize best practices when running ms project for the first time, microsoft project user interface, the ribbon area icons, tabs, and access to the backstage, microsoft project scheduling engine, preparing a new project, estimating the project, ribbon actions (icons) you may need to perform within microsoft project, backstage is a full-screen area that allows you to open, save, share, and print your project, using views and tables

Chapter 3: The Microsoft Project Scheduling Engine.....06 hours

constraint based scheduling, calculates dates for you based on constraints you place on tasks and resources, critical path and user-controlled scheduling, user-controlled scheduling can effectively break the ability to identify the critical path because durations, start dates, and finish dates are not required when using this feature, configure project options, microsoft project offers many options for you to configure the user interface, scheduling engine, and task tracking for your project most of these options are located in the backstage using the options menu item.

Chapter 4: Preparing a New Project.....6 hours

Create a new project before you create a new project, make sure you have all the project options configured as you want them unless you have a unique reason to do otherwise, it is





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a good practice to start with a blank project configure a project calendar learn the differences between the Microsoft project calendars and when to use them.

Chapter 5: Estimating the Project.....3 hours

Add tasks to the project, add durations to each task, add predecessors to each task to link tasks together, create the critical path, add resources to the project, create resource assignments, build a work breakdown structure, add costs to the project, add milestones to the project, add lag and review the critical path, adjust resource allocations.

Chapter 6: Tracking the Project.....2 hours

To create a baseline baselines, custom views and fields project reporting task status updates updating task status from your team and update the project progress. resource assignment status updates .

Chapter 7: Custom Views and Fields.....3 hours

To create custom views and tables views, create custom fields microsoft project, create graphical indicators when you create a custom field, further enhance it to use graphical indicators. these indicators allow you to display things like red, yellow, and green flag

Chapter 8: Project Reporting.....2 hours

working with the timeline, multiple timelines in project 2016, 2019 and online, working with the reporting module, about agile projects, using the task board, using sprints, using project online desktop, tips and tricks conclusion go to goskills.com using boards and the gantt chart, sharing boards





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 VIVA Institute of Technology
 SHIRGAON, VIRAR (E)
 T.E. DIV A CIVIL SEM VI COURSE: MSP & PRIMAVERA
 ATTENDANCE SHEET 2021-22

Date: 10/01/2022
 AY 2021-22

Ref: 10/01/2022
 NAME OF THE FACULTY: Lissu Jose
 SUBJECT: 3 hrs each
 SHEET NO:

ROLL NO.	NAME OF THE STUDENT	DATE	18/1	19/1	20/1	21/1	22/1	23/1	24/1	25/1	26/1	27/1	28/1	29/1	30/1
1	GEDIYA AASHISH CHANDRAKANT		A	A	A	A	A	A	A	A	A	A	A	A	A
2	GHARAT SACHIN NARAYAN		A	A	A	A	A	A	A	A	A	A	A	A	A
3	GHATGE TWINKLE BALASAHEB		A	A	A	A	A	A	A	A	A	A	A	A	A
4	GOHIL MONISHA SURESH		A	A	A	A	A	A	A	A	A	A	A	A	A
5	GOVARI AKASH LAXMAN		A	A	A	A	A	A	A	A	A	A	A	A	A
6	GUPTA GAURAV LAJJI		A	A	A	A	A	A	A	A	A	A	A	A	A
7	GURAV SAJIL ARUN		A	A	A	A	A	A	A	A	A	A	A	A	A
8	HADAL MANOJ KAKADYA		A	A	A	A	A	A	A	A	A	A	A	A	A
9	HATAKAR SUYASH JAYSING		A	A	A	A	A	A	A	A	A	A	A	A	A
10	HIRPARA JAYDEEP JAYSUKHBHAI		A	A	A	A	A	A	A	A	A	A	A	A	A
11	ILHE NITESH SUBHASH		A	A	A	A	A	A	A	A	A	A	A	A	A
12	INDALKAR DISHA DATTA		A	A	A	A	A	A	A	A	A	A	A	A	A
13	JADHAV NAYANKUMAR VIJAYKUMAR		A	A	A	A	A	A	A	A	A	A	A	A	A
14	JADHAV PARAG ANJAY ANUPRIYA		A	A	A	A	A	A	A	A	A	A	A	A	A
15	JADHAV PRASANJEET PRAKASH		A	A	A	A	A	A	A	A	A	A	A	A	A
16	JAGTAP AJAY HARIDAS		A	A	A	A	A	A	A	A	A	A	A	A	A
17	JAGTAP DEVANG SANDEEP		A	A	A	A	A	A	A	A	A	A	A	A	A
18	JAINSWAL PRAJWAL RAJESH		A	A	A	A	A	A	A	A	A	A	A	A	A
19	JANSANDEKAR SAIRAJ SHIVDATT		A	A	A	A	A	A	A	A	A	A	A	A	A
20	KADAM MAKARAND VIJAY SITARAM		A	A	A	A	A	A	A	A	A	A	A	A	A
21	KADAM OMKAR SUDHAKAR		A	A	A	A	A	A	A	A	A	A	A	A	A
22	KADAM SHUBHAM SANJAY		A	A	A	A	A	A	A	A	A	A	A	A	A
23	KAJAVE ANIKET CHANDRAKANT		A	A	A	A	A	A	A	A	A	A	A	A	A
24	KALMETAR MANISH LILADHAR		A	A	A	A	A	A	A	A	A	A	A	A	A





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Certificate of Participation

This is to certify that Dr. / Mr. / Ms. **GEDIYA AASHISH** has attended software course on "**MSP & PRIMAVERA**" organized by Civil Engineering Department from 18th January to 25th March 2022 at **VIVA Institute of Technology, Shirgaon, Mumbai.**

(Prof. Monica More)
Co-ordinator

(Prof. Lissy Jose)
Head of Civil Engg Department

(Dr. Arun Kumar)
Principal





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Shirgaon, Virar (E), Tal: Vasai, Dist: Palghar – 401 305.
CIVIL ENGG. DEPARTMENT



Name of the Course: Advanced concrete technology

AY: 2021-22

Course Duration: 30 hr

STTP Programme Schedule

	Date	Time	Name of Speakers	Topics
Day 1	4/07/2022	9 am-12pm	Session 1: Prof. Mayur Patel	Different types of admixture & their uses.
		1.00 -4.00 pm	Session 2: Prof. Mayur Patel	
Day 2	5/07/2022	9 am-12pm	Session 1: Prof Monica More	High Grade concrete with four blended cementitious Materials
		1.00 -4.00 pm	Session 2: Prof. Akshay Mistry	Importance of CTM inRMC industry
Day 3	6/07/2022	9 am-12pm	Session 1: Prof. Ashish Shetty	Test on fly ash
		1.00 -4.00 pm	Session 2: Prof. Ashish Shetty	Effect of fineness of flyash obtained by wet sieving method on the properties of cement
Day 4	7/07/2022	9 am-12pm	Session 1: Prof. Monica More	Special concrete
		1.00 -4.00 pm	Session 2: Prof. Monica More	
Day 5	08/07/2022	9 am-12pm	Session : Prof. Yadnesh Patil	Advanced casting methods
		1.00 -4.00 pm		





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Course Objectives:

1. To understand the knowledge of concrete admixtures
2. To learn about various methods & design high grade concrete
3. To learn how CTM can be important in RMC plant
4. To learn effective is fly ash in concrete
5. To understand advance concrete techniques can be used

Course outcomes:

1. Students will be able to understand how admixtures are important
2. Students will be able to understand various design of high gradeconcrete
3. Students will be able to understand CTM importance
4. Students will be able know effective use of fly ash in concrete
5. Students will be able to analyze advance concrete techniques





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CO PO MAPPING

CO	Program Outcomes												CO target
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
C01	2												2
C02		1			1								2
C03		2				1							1.5
C04		2		1		1							2
C05		2		1									1.5
	2	2		1.5	2						1		





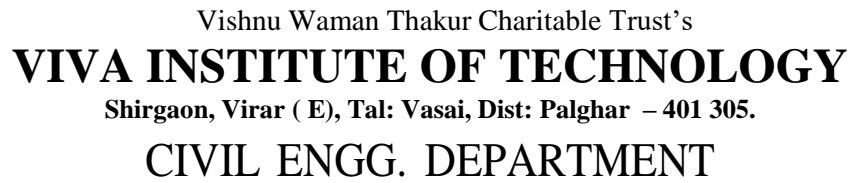
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ATTENDANCE SHEET

VIVA INSTITUTE OF TECHNOLOGY		DATE: 10/11/2020					PAGE NO.:		
NAME OF THE STUDENT		10/11	11/11	12/11	13/11	14/11	TOTAL		
TCVA_01	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_02	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_03	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_04	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_05	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_06	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_07	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_08	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_09	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_10	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_11	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_12	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_13	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_14	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_15	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_16	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_17	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_18	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_19	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_20	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_21	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_22	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_23	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_24	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_25	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_26	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_27	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_28	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_29	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_30	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_31	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_32	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_33	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_34	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_35	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_36	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_37	ANURAG KALPESH KALPESH	A	A	A	A	A	5		
TCVA_38	ANURAG KALPESH KALPESH	A	A	A	A	A	5		







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Certificate of Participation

This is to certify that Dr. / Mr. / Ms. **More Siddhesh** has attended one week course on “*Advanced Concrete Technology*” organized by Civil Engineering Department from 4th July 2022 to 8th July 2022 at **VIVA Institute of Technology, Shirgaon, Mumbai.**

(Prof. Ramya Raju)
Co-ordinator

(Prof. Lissy Jose)
Head of Civil Engg Department

(Dr. Arun Kumar)
Principal





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Affiliated to the University of Mumbai
Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

A.Y. 2019-2020





Academic Year 2019 - 20

Course name: - Programming with JAVA

Duration: - 24th Jun 2019 to 28th Jun 2019

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Akshata Raut

Enrolled students: - 22

Course Objective:-

1. To understand the basic concepts and fundamentals of platform independent object oriented language.
2. To demonstrate skills in writing programs using exception handling techniques and multithreading.
3. To understand streams and efficient user interface design techniques.
4. To write programs for solving real world problems using java collection framework.
5. To impart hands-on experience with java programming.

Course Outcomes: -

After successful completion of the course, the students are able to

1. Use the syntax and semantics of java programming language and basic concepts of OOP.
2. Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
3. Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.
4. Able to write programs for solving real world problems using java collection frame work.

Course Schedule: -

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction to Java, Java buzzword, scope, and lifetime	Classes and Objects, Inheritance Exercise
2	Interference, Packages	Exception Handling Exercise
3	Strings, and Library	Multithreading Exercise
4	Applets	Event Handling Exercise
5	Layout Manager	Quiz





Report:-

Computer engg. department of VIVA Institute of Technology conducted a course on "Programming with JAVA" for second and third year students. Total 22 students had been enrolled for this course.

This course was conducted by Prof. Akshata Raut in order to provide basic knowledge of JAVA programming. This was 30 hrs. certificate course.

During the course students learned basic programming of JAVA. Also students learned all concepts of JAVA like interference, packages, applets and so on. Students practiced of all things concepts in the exercise session. All doubts and errors during programming were solved by the co ordinator.

Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	-	2	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	1	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-
	3	2	3	3	-	-	-	-	-	-	-	-

CO PO Justification: -

COs	POs	Justification
CO1	PO1	Strongly mapped as the students will be able to analyse the problem to be implemented using basics of Python.
CO2	PO2	Moderately mapped as the students will be able to identify the technique required to implement the problem.
CO3	PO3	Strongly mapped as the students will be able to find a solution for the problem identified.
	PO4	Slightly mapped as the students will be able to depict the project outcome and future scope.
CO4	PO3	Strongly mapped as the students will be able to develop design methodologies for the system to be developed.



Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY



COMPUTER ENGINEERING DEPARTMENT

Course Name:- Programming with JAVA
Course Duration:- 24th Jun to 28th Jun 2019

Academic Year 2019 - 20

Sr. No.	Name of Student	Attendance Sheet									
		24/06/2019		25/06/2019		26/06/2019		27/06/2019		28/06/2019	
		Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)
1	GHARAT KARAN KISHOR	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.	K.K.
2	PATEL JAY MAHESH PRAGNA	P.J.	P.J.	P.J.	P.J.	P.J.	P.J.	P.J.	P.J.	P.J.	P.J.
3	SAKRE DESHA SANJAY	D.S.	D.S.	D.S.	D.S.	D.S.	D.S.	D.S.	D.S.	D.S.	D.S.
4	PURHIT DHEERAJ DINESH	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.	P.D.
5	TIRODKAR PRATHMESH GAJANAN	P.G.	P.G.	P.G.	P.G.	P.G.	P.G.	P.G.	P.G.	P.G.	P.G.
6	BARIA KHYATI RAJESH	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.
7	HADPE SAURABH ABRAJ	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.	S.A.
8	DARADE HITESH SUBHASH	H.S.	H.S.	H.S.	H.S.	H.S.	H.S.	H.S.	H.S.	H.S.	H.S.
9	MALI ASHVINI BHATU	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.	A.M.
10	GHADSHI NIKHIL PRASHANT	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.	N.P.
11	DUBEY GOVINDNARAYAN RAMESH	G.R.	G.R.	G.R.	G.R.	G.R.	G.R.	G.R.	G.R.	G.R.	G.R.
12	ISWALKAR ABHISHEK ASHOK	A.I.	A.I.	A.I.	A.I.	A.I.	A.I.	A.I.	A.I.	A.I.	A.I.
13	JADHAV HRUCHITA BALU	H.B.	H.B.	H.B.	H.B.	H.B.	H.B.	H.B.	H.B.	H.B.	H.B.
14	JADHAV RUTUJA DEVDAS	R.D.	R.D.	R.D.	R.D.	R.D.	R.D.	R.D.	R.D.	R.D.	R.D.
15	JHA SHWETA KRISHNACHANDRA	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.
16	KADAM ATHARV AMIT	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.	A.K.
17	KADU DEVESHREE	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.	D.K.
18	KOLTHARKAR SUYASH SAGAR	S.S.	S.S.	S.S.	S.S.	S.S.	S.S.	S.S.	S.S.	S.S.	S.S.
19	KORE SHUBHAM	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.
20	LIMRAO DEEP DHARMENDRA	D.D.	D.D.	D.D.	D.D.	D.D.	D.D.	D.D.	D.D.	D.D.	D.D.
21	MAHADIK HIRTIK SACHIN	H.S.	H.S.	H.S.	H.S.	H.S.	H.S.	H.S.	H.S.	H.S.	H.S.
22	PATEL CHIRAG PRAKASH	C.P.	C.P.	C.P.	C.P.	C.P.	C.P.	C.P.	C.P.	C.P.	C.P.



Late Shri. Vishnu Waman Thakur Charitable Trust's

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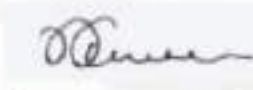
Shinggaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE OF PARTICIPATION

This is to certify that ATHARV AMIT KADAM
attended a one-week Program on "Programming with JAVA"
organized by the Computer Engineering Department Of VIVA
Institute of Technology from 24th June to 28th June 2019



Prof. Ashwini Save
H.O.D



Dr. Arun Kumar
Principal





Academic Year 2019 - 20

Course name: - Machine Learning and Deep Learning

Duration: - 24th June to 28th June 2019

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. ~~Sunita Naik~~

Enrolled students: - 51

Course Objective: -

1. To understand the basic theory underlying machine learning.
2. To make students comfortable with tools and techniques required in handling large amounts of datasets
3. ~~Analyse~~ Analyse the concept of neural networks for learning linear and non-linear activation functions
4. This will help students in developing skills required to gain experience of doing independent research and study.

Course Outcomes: -

After successful completion of the course, the students are able to

1. Appreciate the importance of visualization in the data analytics solution
2. Apply structured thinking to unstructured problems
3. Understand a very broad collection of machine learning algorithms and problems
4. Learn algorithmic topics of machine learning and mathematically deep enough to introduce the required theory
5. Develop an appreciation for what is involved in learning from data.

Course Schedule: -

Session	Time	Topic
Day 1: - 24 th June 2019		
1	9.30 – 11.00	Introduction Key Note Address
2	11.15– 12.30	Basics of Machine learning and Deep Learning
3	1.15 – 4.30	ANN and CNN concepts
Day 2: - 25 th June 2019		
1	9.30 – 11.00	Introduction to python using JUPYTER NOTEBOOK
2	11.15– 12.30	Machine learning Algorithms
3	1.15 – 4.30	Data Analytics I and II
Day 3: - 26 th June 2019		
1	9.30 – 11.00	Deep Learning and its applications
2	11.15– 12.30	Word Embedding in NLP



3	1.15 – 4.30	Deep Learning Techniques with respect to Natural Language Processing (NLP) in Python
Day 4 :- 27 th June 2019		
1	9.30 – 11.00	Introduction to R (Data Frames, Importing and Exporting data, Data manipulation)
2	11.15– 12.30	prediction with Convolutional Neural Networks
3	1.15 – 4.30	Applications of Deep Neural networks
Day 5 :- 28 th June 2019		
1	9.30 – 11.00	Recurrent Neural Networks with respect to NLP in Python
2	11.15– 12.30	Prediction with Convolutional Neural Network with respect to NLP in Python
3	1.15 – 4.30	Techniques used in NLP, Syntactic Analysis, Semantic Analysis Quiz

Report:-

Computer ~~engg~~ department of VIVA Institute of Technology conducted a course on “Machine Learning and Deep Learning” for Last year students. Total 51 students had been enrolled for this course.

This course was conducted by Prof. ~~Sunita Naik~~ in order to provide knowledge of Machine learning and Deep Learning.

Machine learning is a sub-domain of computer science which evolved from the study of pattern recognition in data, and also from the computational learning theory in artificial intelligence. Deep learning allows computational models to learn by gathering knowledge from experience. Complex concepts can be learnt by deep learning approach due to its hierarchical conceptualization. Deep learning has significantly benefitted for the state-of-the-art in many recurring domains in the modern world. Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	2	-	-	-	-	-	-	-	-	-	-
CO2	-	2	3	-	-	-	-	-	-	-	-	-
CO3	3	2	-	-	-	-	-	-	-	-	-	-
CO4	-	-	3	2	-	-	-	-	-	-	-	-
CO 5	-	-	-	3	-	-	-	-	-	-	-	-



Ashwini Save
HOD, Computer ~~Engg~~



Bridge course attendance



VIVA INSTITUTE OF TECHNOLOGY
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Computer Engineering Department



BE Attendance Sheet [2019-20]

Semester : VI

Week / Month :

Subject Incharge :

Subject :

24th June - 28th June

Roll No	Name	24/06	25/06	26/06	27/06	28/06	Total
1	ARGANE SHASHANK NITIN	A	A	A	A	A	
2	BANGERA SHEETI RAJESH	Sheeti	Sheeti	Sheeti	Sheeti	Sheeti	
3	BANGERA VISHAL JAGANNATH	VB	VB	VB	VB	VB	
4	BHOYAD SHIVANI MANDHAR	SB	SB	A	SB	SB	
5	BHILAVA PALLAVI JOGA	Pb	Pb	Pb	Pb	Pb	
6	CHASKAR RUPNJA KANHLAKAR	P	P	P	P	A	
7	CHAUDHARI SUGAM MAHESH	Sugam	Sugam	Sugam	Sugam	Sugam	
8	CHAVAN SNEHAL BABURAO	A	A	A	A	A	
9	CHODGULE ADIRISHIK ANIL	Adirishik	Adirishik	Adirishik	Adirishik	Adirishik	
10	DHANDE JMET THAKUR	AD	AD	AD	AD	AD	1
11	DUBEY SHWETA UMASHANKAR	A	B	SD	SD	SD	
12	GAWAD PRATIK LAXMAN	Pratik	Pratik	Pratik	A	Pratik	
13	GUPTA DEEPAKUMAR ACHHIBLAL	A	A	A	A	A	
14	GUPTA MOHITKUMAR JAYPRAKASH	MP	MP	MP	MP	MP	
15	GUPTA PRAKASH VIKASHANKAR	P	P	P	P	P	
16	GUPTA SHYAM UMESH PRASAD	Shyam	Shyam	Shyam	Shyam	A	
17	JADHAV PRADNESH SANJAY	Pradnesh	Pradnesh	Pradnesh	Pradnesh	Pradnesh	
18	JADHAV PRADHYA JAYESHI	Pradhy	Pradhy	Pradhy	Pradhy	Pradhy	
19	JAWALE KHUSHBOD	Jk	Jk	Jk	A	Jk	
20	JOSHI ADITYA BHARAT	Jh	Jh	Jh	Jh	Jh	
21	JOSHI KIRTI MANOJ	Kjoshi	Kjoshi	Kjoshi	Kjoshi	Kjoshi	A
22	KALE RAHUL RAOSAHEB	A	A	A	A	A	
23	KAMBALI KAUSTUBH DEEPAK	Kaustubh	Kaustubh	Kaustubh	Kaustubh	Kaustubh	
24	KANSARA MANTHAN SANJAY	Mk	Mk	Mk	Mk	Mk	
25	KORE SWIKRUTI JAGDISH	A	A	A	A	A	
26	LAD KRUNAL KISHOR	Klad	Klad	Klad	Klad	Klad	
27	LADNOR SHIVAM KETAN	A	A	A	A	A	
28	LOKHANDE RAJ	Ra	Ra	Ra	Ra	Ra	
29	MATY PALLAVI KAMAL	MP	MP	MP	MP	A	
30	MALGAONKAR BHIMANGI SUDHIR	Mk	Mk	Mk	Mk	Mk	
31	MARTHAK HARSH PANKAJ	A	A	A	A	A	
32	MHATRE RAJ VIKAS	A	A	A	A	A	
33	MISHRA RAHUL INDRASEN	Pratik	Pratik	Pratik	Pratik	Pratik	
	HOGAVEERA PRAJWAL MUTTA	Prajwal	Prajwal	Prajwal	Prajwal	Prajwal	





BE Attendance Sheet [2019-20]

Semester : VI

Week/ Month :

Subject Incharge :

Subject :

Roll No	Name	App/Leave	Date	Date	Date	Date	Corrected	Total
35	NIKAM ABHISHEK SHASHIKANT	NA	NA	NA	NA	NA	NA	
36	PANGA RAHUL BABU	Pang	Pang	Pang	Pang	Pang	Pang	
37	PANGAM PRANETA PANDURANG	Pangam	Pangam	Pangam	Pangam	Pangam	Pangam	
38	PARAB ADITYA RAVINDRA	AP	AP	AP	AP	AP	AP	
39	PATEL HARDIK MOHAN	H Patel	H Patel	H Patel	H Patel	H Patel	H Patel	
40	PATIL JAY RAJ	A	A	A	A	A	A	
41	PATIL PARESH YASIEWANT	Patil	Patil	Patil	Patil	Patil	Patil	
42	PATIL RUTUJA SANJAY	Patil	Patil	Patil	Patil	Patil	Patil	
43	PATIL SAURABH ARUN	A	A	A	A	A	A	
44	PATIL SHIVAM RAVINDRA	Patil	Patil	Patil	Patil	Patil	Patil	
45	PAWAR MANISH ANAND	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	
46	PAWAR MAYUR MILIND	A	A	A	A	A	A	
47	PAWAR UTKARSHA PRAVIN	UP	UP	UP	UP	UP	UP	
48	PIMPLE NISHTANT JITENDRA	NP	NP	NP	NP	NP	NP	
49	RATHOD JAYDEEP VITTHAL	Jay	Jay	Jay	Jay	Jay	Jay	
50	RAUT ADITYA ANIL	adi	adi	adi	adi	adi	adi	
51	RAUT MEET JITENDRA	A	A	A	A	A	A	
52	RAVATE SAVITA GANAPAT	Ravate	Ravate	Ravate	Ravate	Ravate	Ravate	
53	SALUNKE TEJASHREE ASHOK	Tejn	Tejn	Tejn	Tejn	Tejn	Tejn	
54	SAGDARE AAKASH MANGESH	AS	AS	AS	AS	AS	AS	
55	SURYAWANSHI GAURAV VIBAY	gaurav	gaurav	gaurav	A	gaurav	gaurav	
56	SUTAR HITESH	H Sutar	H Sutar	H Sutar	H Sutar	H Sutar	A	
57	TALELE TANMAY LILADHAR	LT	LT	LT	LT	LT	LT	
58	TARE ADITI DEEPAK	Tare	Tare	Tare	Tare	Tare	Tare	
59	THAKUR BUCHA VIVEK	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	
60	VAGAL SANKEET DILIP	A	A	A	A	A	A	
61	VANJARE OMKAR SANJAY	Vanjare	Vanjare	Vanjare	Vanjare	Vanjare	Vanjare	
62	VYAS RAJ RANWARI	Raj	Raj	Raj	Raj	Raj	Raj	
63	YADAV RAKESH	A	A	A	A	A	A	
64	BAHUNAKAR ANUSHE AMIN	A	A	A	A	A	A	



Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved By AICTE, New Delhi, DTE, Govt. of Maharashtra
Affiliated to the University of Mumbai
Shirgaon, Virar(E), Dist. Palghar - 401305, Maharashtra

Certificate of Participation

This certificate is proudly awarded to

Khushboo Jawle

has attended One Week Program on " Machine Learning and Deep Learning " organized by the Computer Engineering Department of VIVA Institute of Technology from 24th June 2019 to 28th June 2019

Ashwini Save
HOD

Dr. Arun Kumar
Principal





Academic Year 2019 - 20

Course name: - Learning with Python

Duration: - 24th Dec to 31st Dec 2019

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Dyaneshwar Bhabad

Enrolled students: - 15

Course Objective:-

1. To create fully functional Python programs
2. To understand user input
3. To learn about loop structures and conditionals
4. To work with Python file handling

Course Outcomes:-

After successful completion of the course, the students are able to

1. Describe the basics of the Python programming language
2. Install Python and write first program
3. Use variables to store, retrieve and calculate information
4. Utilize core programming tools such as functions and loops
5. Explain the basic principles of Python programming language

Course Schedule:-

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction	Install Python and basic python program
2	Basic syntax , variables and strings	Lists, Tuples and Dictionaries. Exercise
3	If-else statements, For loop	While loop, Pass, break and continue Exercise
4	Understanding Functions	File handling – opening and reading
5	Classes and Objects	Exercise Quiz





Report:-

Computer engg. department of VIVA Institute of Technology conducted a course on "Learning with Python" for second and third year students. Total 15 students had been enrolled for this course.

This course was conducted by Prof. Dyaneshwar Bhabad in order to provide basic knowledge of Python programming. This was 30 hrs. certificate course.

During the course students learned how to install Python. They learned all the basic of python like variables, lists, strings. Also students study conditional statements and loops. This course also cover functions and file handling.

Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	-
CO4	-	-	3	2	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	-	-
	3	3	3	2	-	-	-	-	-	-	-	-

CO PO Justification: -

COs	POs	Justification
CO1	PO1	Strongly mapped as the students will be able to analyse the problem to be implemented using basics of Python.
CO2	PO1	Strongly mapped as the students will be able to identify the technique required to implement the problem.
CO3	PO3	Slightly mapped as the students will be able to find a solution for the problem identified.
CO4	PO3	Strongly mapped as the students will be able to find the relevant tools to implement the problem stated.
	PO4	Moderately mapped as the students will be able to find a feasible solution for the problem designed.
CO5	PO2	Strongly mapped as the students will be able to develop design methodologies for the system to be developed.



Course Name:- Learning With Python

Course Duration:- 24th Dec to 31st Dec 2019

Academic Year 2019 - 20

Sr. No.	Name of Student	Attendance Sheet									
		24/12/2019		25/12/2019		26/12/2019		27/12/2019		28/12/2019	
		Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)
1	KHAN ATIFASAD SHAHEERALI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	YADAV DIPIL MAHENDRA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	VAGHASIYA TUSHAR MANSUKH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	PARIWAR RAHUL MUKESH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	SINGH PRASHANT DINESH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	SINGH NIDHI SATYADEV	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	KARANKUMAR KUNDANMAL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	KARWANDE DIVYA DNYANESHWAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	KHARATMOL IBRAHIM CHANDRAKANT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	MEDHEKAR PRATHEESH RALAJAN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	NHETRE BALAJI SUBHASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	MOBARKAR SAMIKSHA SANJAY	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	MORE ADITI SANTOSH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	PATIL CHIRAG PRAKASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
15	PATIL RAHUL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present



Late Shri. Vishnu Waman Thakur Charitable Trust's
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Affiliated to the University of Mumbai
Shirgaon, Virar(E.), Dist. Palghar-401305, Maharashtra

CERTIFICATE OF PARTICIPATION

This is to certify that CHIRAG PRAKASH PATIL
attended a one-week Program on "Learning with Python"
organized by the Computer Engineering Department Of VIVA
Institute of Technology from 24th Dec to 31st Dec 2019.

Prof. Ashwini Save
H.O.D.

Dr. Arun Kumar
Principal





Department of Electronics and Telecommunication Engineering

Name of Course:

Nirman-Arduino Workshop

Duration: 30 hours/ 1 week

Day 1- Embedded System Basic (Working, Input devices & Programming Code):

Session 1: Introduction, Hardware & Basic Programming

- ✓ Introduction to basic of embedded system
- ✓ Introduction & explanation of microcontrollers
- ✓ Explanation of AVR ATmega 328 microcontroller
- ✓ Explanation of Arduino board & programming
- ✓ Basic Arduino based programs for interfacing i/o devices

Session 2:

- ✓ Introduction to output devices interfacing
 - **Project 1 : LED blinking**
- ✓ Introduction to input devices interfacing
 - **Project 2: Push button interfacing**
- ✓ Rotary encoder interfacing
 - **Project 3 & 4:**
 - i. More LEDs switching sequentially based on encoder input
 - ii. Bar graph sort of LED switching based on encoder input

Quiz

Day 2 - Digital & Analog Input Output Devices Interfacing

Session 3:

- ✓ Explanation for digital input devices
- ✓ Explanation for analog input devices





Department of Electronics and Telecommunication Engineering

- ✓ Introduction to temperature sensor and its working
- ✓ Basic programming for interfacing temperature sensor
 - **Project 5 :** Temperature sensor using LM35
- ✓ Introduction to relay
- ✓ Basic programming for interfacing relay
 - **Project 6:** Automatic temperature controller system
(soldering iron temperature control_simple on/off)

Session 4:

- ✓ Introduction to LDR sensor and its working
- ✓ Basic programming for interfacing LDR sensor
 - **Project 7 :** Light controlled switch
- ✓ Introduction to IR sensor and its working
- ✓ Basic programming for interfacing IR sensor
 - **Project 8 :** Detect presence of object and blink LED accordingly

Quiz

Day 3 - Advance Sensor (Ultrasonic, Hall Effect) and Serial Communication

Session 5:

- ✓ Introduction to ultrasonic sensor and its working
- ✓ Basic programming for interfacing of ultrasonic sensor
- ✓ Programming and conversion concept for the measurement
- ✓ Formulas for speed, distance & time for distance measurement using ultrasonic sensor
 - **Project 9 :** Distance Finder / Range Finder using Ultrasonic
- ✓ Explanation of working of stepper motor & motor driver
- ✓ Interfacing of stepper motor with motor driver & basic motor control program
 - **Project 10 :** Stepper Motor Rotation
- ✓ Introduction to Hall Effect sensor and its working
- ✓ Basic programming for interfacing Hall Effect sensor





Department of Electronics and Telecommunication Engineering

- Session 6:**
- **Project 11 :** Stepper Motor Speed Detection
 - ✓ Introduction to serial communication & its significance in embedded system
 - ✓ Explanation of program for establishing serial communication for data transfer between computer & Arduino
 - **Project 12 :** Send temperature data and distance measured by ultrasonic to serial port

Quiz

Day 4 - Visible Output, Keypad

- Session 7:**
- ✓ Introduction to a 7-Segment LED display
 - ✓ 7-segment LED display interfacing & basic data display program
 - **Project 13 :** Temperature indicator on 7 segment
 - ✓ Introduction to LCD (16 X 2) & its working
 - ✓ LCD Interfacing & Basic data display program
 - **Project 14 :** Display temperature on LCD
- Session 8:**
- ✓ Introduction to matrix keypad & its working
 - ✓ Concept of data line reduction & matrix concept
 - ✓ Interfacing LCD & matrix keypad with Arduino
 - **Project 15 :** LCD based GUI for user password registration and monitor

Project 16 Smart Door System / Product

Day 5 - Industry 4.0 and Project Guidance

- Session 9:**
- ✓ Tips for Project making
 - ✓ Steps for designing a project
 - ✓ Schematic designing tips
 - ✓ Project development phase





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Department of Electronics and Telecommunication Engineering

- ✓ Project functional block programming & output
- ✓ Doubt discussion
- ✓ Industry 4.0: The Fourth Industrial Revolution
- ✓ Certificates & Project Letters distribution for competition

Session 10:

Feedback





Department of Electronics and Telecommunication Engineering

Report

Nirman is to nurture and organize the young change makers to solve various societal challenges. It is an educational process to train the students to take up crucial issues and problems in the society. The focus in this course is to enable and equip the students to immediately start building Arduino enabled products. This was a 30hrs/1 week certificate course.

This 5 days Bridge course was conducted by Prof. Nutan Malekar from 1st July 2019 to 5th July 2019 in order to provide basic knowledge to second year and third year students about an **Arduino** and how it works. It helped students to learn programming concepts using **C and C++** along with Arduino specific programming. The students understood how to use a **wide variety of hardware and components** and prototype projects using a breadboard.





Department of Electronics and Telecommunication Engineering

Course Objectives

Course Objectives

- ✚ To understand what an Arduino is and how it works
- ✚ To learn how to use an Arduino safely
- ✚ To program Arduino using code that have written in the Arduino IDE (Integrated Development Environment)
- ✚ To learn programming concepts using C and C++ along with Arduino specific programming
- ✚ To understand best practice concepts for programming and prototyping
- ✚ To use a wide variety of hardware and components and prototype your projects using a breadboard
- ✚ To build innovative project with Arduino

Course Outcomes:

- Students will be able to get new product or service ideas by hearing about needs in industry.
- Students will be able to receive large volumes of usable content within a compressed amount of time.
- Students will be able to get intensive exposure to a topic through presentations and discussions.
- Students will be able to achieve confidence and motivation for organising different events that improves the personality of a student.
- Students will be able to achieve confidence and motivation for participating in different events that improves the personality of a student.
- Students will be able to develop a connection that might help with future employment.





Department of Electronics and Telecommunication Engineering

CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
CO5	-	2	-	-	-	-	-	-	-	-	-	2
CO6	-	-	-	-	2	-	-	-	-	-	1	1.5
	2	2	-	-	2	2	-	-	-	-	1	





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Department of Electronics and Telecommunication Engineering

Attendance Sheet:

VIVA Institute of Technology
 At Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
 Website: www.viva-technology.org

Department of Electronics and Telecommunication Engineering

Attendance for certificate courses

Date	Topic	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8	Session 9	Session 10
1 st July 2019	Arduino										
2 nd July 2019	Arduino										
3 rd July 2019	Arduino										
4 th July 2019	Arduino										
5 th July 2019	Arduino										
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7 th July 2019	Arduino										
8 th July 2019	Arduino										
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26 th July 2019	Arduino										
27 th July 2019	Arduino										
28 th July 2019	Arduino										
29 th July 2019	Arduino										
30 th July 2019	Arduino										
31 st July 2019	Arduino										

Number of days of signature: 31

Prof. P. V. Patil





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Model Certificate





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Name of Course:
OOP Bridge Course
Duration: 30 hours

Module	Contents	Hours
1	Introduction Introduction to java, java buzzword, data types, dynamic initialization, scope and life time operators, control statements, arrays, type conversion and casting, finals & blank finals. Classes and Objects: Concepts, methods, constructors, usage of static, access control, this key word, Garbage collection, overloading, parameter passing mechanisms, nested classes and inner classes. Inheritance: Basic concepts, access specifies, usage of super key word, method overriding, final methods and classes, abstract classes, dynamic method dispatch, Object class.	8
2	Interfaces: Differences between classes and interfaces, defining an interface, implementing interface, Variables in interface and extending interfaces. Packages: Creating a Package, setting CLASSPATH, Access control protection, importing packages. Exception Handling: Concepts of Exception handling, types of exceptions, usage of try, catch, throw, throws and finally keywords, Built-in exceptions, creating own exception sub classes.	8
3	Strings: Exploring the String class, String buffer class, Command-linear arguments. Library: Date class, Wrapper classes. Multithreading: Concepts of Multithreading, differences between process and thread, thread life cycle, Thread class, Runnable interface, creating multiple threads, Synchronization, thread priorities, inter Thread communication, daemon threads, and deadlocks. I/O Streams: Streams, Byte streams, Character streams, File class, File streams.	8
4	Applets: Concepts of Applets, life cycle of an applet, creating applets, passing parameters to applets, accessing remote applet, Color class and Graphics Event Handling: Events, Event sources, Event classes, Event Listeners, Delegation event model, handling events.	6





Department of Electronics and Telecommunication Engineering

Report

Duration: 8th Jul 2019 to 15th Oct 2019.

Venue: VIVA Institute Of Technology, Shirgaon.

Electronics & Telecommunication Engineering Department of VIVA Institute of Technology organized a 30 hours' certificate course on “**OOP Bridge Course**” during **8th Jul 2019 to 15th Oct 2019**.

The workshop was basically aimed to provide basic knowledge to second year of semester 4—EXTC students of JAVA language which was conducted by **Mr. Kushal Suvarna sir** as the speaker who guided the participants.

The event was a success with very positive feedback from the participants. The speech by the Principal **Dr. Arun Kumar** was an inspiring one that covered the broad future scopes of the field. The Principal being an encouraging one who said that for such events where in student development is involved, he will always be supportive. In the speech given by **Mrs. Archana Ingle**, H.O.D of EXTC, students gained an idea of how this workshop can be utilized to take creative projects in the field of software.

Mr. Kushal Suvarna sir introduced themselves to the participants and enlightened them about the fantastic and intriguing field of **JAVA software** and narrated their various achievements and their future plans.





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Department of Electronics and Telecommunication Engineering

Course Objectives

1. To understand the basic concepts and fundamentals of platform independent object oriented language.
2. To demonstrate skills in writing programs using exception handling techniques and multithreading.
3. To understand streams and efficient user interface design techniques.

Course Outcomes:

After successful completion of the course, the students are able to

- 1. Use the syntax and semantics of java programming language and basic concepts of OOP.
- 2. Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
- 3. Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.
- 4. Design event driven GUI and web related applications which mimic the real word scenarios.





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Department of Electronics and Telecommunication Engineering

CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
	2	2	-	-	2	2	-	-	-	-	-	





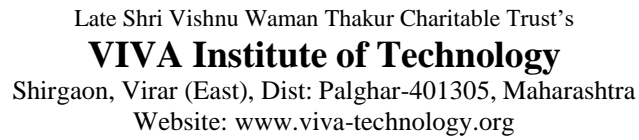
Department of Electronics and Telecommunication Engineering

Sl. No.	Name of Student / TOPIC COVERED	DATE	TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	T		
1	AGARWAL TANVI BHISHM	8/11/17	1:30-4:30 PM																																4	
2	BHOSLE SARASWATI BHABAT	8/11/17	1:30-4:30 PM																																5	
3	CHODHARY PAVAN JOHANNAN	8/11/17	1:30-4:30 PM																																5	
4	GARLOT VINAYAK SHANTKUMAR	8/11/17	1:30-4:30 PM																																5	
5	GHAWADE RAKINDRA MOGHADHYAN	8/11/17	1:30-4:30 PM																																1	
6	GUHAY RETALI BALDORISNA	8/11/17	1:30-4:30 PM																																5	
7	GUHAY TEJASHREE CHANDRANANT	8/11/17	1:30-4:30 PM																																5	
8	JOSHI GAURAV	8/11/17	1:30-4:30 PM																																6	
9	KADAM JEDDIE RAFAEL	8/11/17	1:30-4:30 PM																																6	
10	KARDI VIDYUT RAJESHWAR	8/11/17	1:30-4:30 PM																																1	
11	KONTI SHUBHAM RAJENDRA	8/11/17	1:30-4:30 PM																																4	
12	KHARKEKAR MOHINIKA SHYAMKUMAR	8/11/17	1:30-4:30 PM																																5	
13	KHATKE TRIPATI ANKUSH	8/11/17	1:30-4:30 PM																																5	
14	KHAYDISEKH ARVINDER JAYRAM	8/11/17	1:30-4:30 PM																																2	
15	KHAYATKAR VISHVESH	8/11/17	1:30-4:30 PM																																2	
16	KOTIAN DNYA NARAYAN	8/11/17	1:30-4:30 PM																																5	
17	KUCHERKAR ROHINI ANIL	8/11/17	1:30-4:30 PM																																0	
18	KUTREKAR AMAN SANDHEP	8/11/17	1:30-4:30 PM																																2	
19	MAHYEKA SHUBHAM SHRIKANT	8/11/17	1:30-4:30 PM																																4	
20	MADHU KIRCHIL CHANDRAGHOSHAI	8/11/17	1:30-4:30 PM																																2	
21	MARAL LOURDARAYA SANGVI	8/11/17	1:30-4:30 PM																																6	
22	MEKHAN BANSODESI SUNIL	8/11/17	1:30-4:30 PM																																4	
23	PADEL JAYAL AGHISH	8/11/17	1:30-4:30 PM																																3	
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25	PANDE PABU PRADOSH	8/11/17	1:30-4:30 PM																																7	
26	PANAL PABU VELESH	8/11/17	1:30-4:30 PM																																5	
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28	SARWAT HANIKESH PANDAP	8/11/17	1:30-4:30 PM																																3	
29	SHAIKH TAHER MOHAMMED	8/11/17	1:30-4:30 PM																																4	
30	THOTA SEETHA R	8/11/17	1:30-4:30 PM																																5	
31	TOTAL STUDENTS PRESENT																																			
32	SIGNATURE OF SUBJECT INCHARGE																																			

July to Oct
45 students

SUBJECT INCHARGE





No.	Name of Student
1	TIPATHE ARSHI SINGH
2	TIPATHE ANAM KANGAL
3	MADHU KUMAR AMBIA
4	Rajesh Meher
5	Patil Aishwarya
6	Dimple Vithal
7	The Harekrishna
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TOTAL STUDENTS PRESENT 30 28
 SIGNATURE OF SUBJECT INCHARGE [Signature]

SUBJECT INCHARGE





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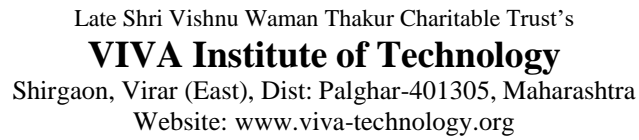


Department of Electronics and Telecommunication Engineering

Sl. No.	Name of Student / TOPIC COVERED	Subject				
		Interfacing	Microprocessor	Microcontroller	PCB	Signal
	DATE	19/11/19	20/11/19	21/11/19	22/11/19	23/11/19
	TIME	8:30-10:30	10:30-12:30	12:30-2:30	2:30-4:30	4:30-6:30
1	KUMAR TANVISHAGWAN	A	A	A	A	A
2	KUMAR ANKUR	A	A	A	A	A
3	CHANDAN TRAVIS	A	A	A	A	A
4	SARDESHKAR	A	A	A	A	A
5	SARDESHKAR	A	A	A	A	A
6	SARDESHKAR	A	A	A	A	A
7	SARDESHKAR	A	A	A	A	A
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35	SARDESHKAR	A	A	A	A	A
36	SARDESHKAR	A	A	A	A	A
37	SARDESHKAR	A	A	A	A	A

SUBJECT INCHARGE





Sl. No.	Name of Candidate	Grade	Remarks
40	TIWARI PRIYA SIDDHANTI	A	
41	MISHRA HIRAN KUMAR	A	
42	SAUT HARSH SHARMA	A	
43	HODGE RISHI BALU	A	
44	KHARKE ANET SANTOSH	A	
45	RAUT ANAS RANJANA	A	
46	HARSHADA SURESH KOTHEKAR	A	
47	JADAV DANDAN SURESH	A	
48	SHIVKUMAR DHAWA TAMAI	A	
49	PURANDHAR PRARASH	A	
50	TIMBE SHREYA SANGAD	A	
51	SHIRDI RAJ KASUTI	A	
52	RAVESH PATTAL RAJESHKUMAR	A	
53	GURTA ANANDH NARIDRSHI	A	
54	JADAW ARVIND SURESH	A	
55	KAMBLE VISHNAV VILAS	A	
56	KOLKAR NISHA KANESH KOLKAR	A	
57	MOHE DRAHIL SHAM	A	
58	MOHALLI PRANTOSH KUMAR	A	
59	GURTA TIRUMALA KISHORDEV	A	
60	KAMBLE KUNENVA SAKHAY	A	
61	SHIRDI ANUSHKA PRASH	A	
62	SHIRDI NARSHAL CHANDRABENKA	A	
63	PATEL THAPTI GURSHI	A	
64	PRADWIP PRARASH SANKESH	A	
65	KATIL PRASHI TULSHOKAM	A	
66	VAS SURESH KODW	A	
67	CHANDRANIL KANESH SHIRDI	A	
68	CHANDAN NARAYAN ARJUN	A	
69	SHIRDI PRASHI ANIL	A	
70	KHARSHADA KODW BUNEL	A	
71	KHARSHADA MANISH NARSHAD	A	
72	KHARSHADA SHARSH DOLP	A	
73	KHARSHADA SELESHKUMAR DEVSHIRKAR	A	
74	KHARSHADA SHIRDI KANESH	A	
75	KHARSHADA SHIRDI KANESH	A	

37 61 62 19 48 24 3

SUBJECT INCHARGE:

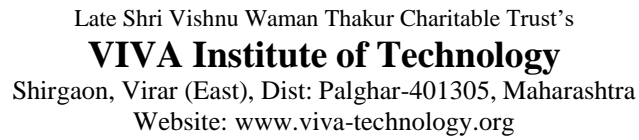




Department of Electronics and Telecommunication Engineering

Name of Student / TOPIC COVERED		Appt's	Program	Unit	Dist
Sl. No.	NAME	TIME	1-30	11-12	5/10
1	KISHAN KANT BANSODAR				
2	VISHNU KANHAIYA BHADAT				
3	CHANDRANATH PRAVIN KODANATH				
4	CHIRAG YASHRAO BAPTOLE				
5	GADGE RAVINSHRAO MOHANRAO				
6	SHARAD KANT BANSODAR				
7	CHANDAN TEJASWEE CHANDRANATH				
8	KISHAN KANT				
9	KISHAN KANT				
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37	KISHAN KANT				





Department of Information Technology		Website: www.vit.ac.in		ATTENDANCE RECORD FOR TERM - 2022		Semester - 18	
Name of Student							
32	WADIA MANI SHARMA	A	A	A	A		
33	TAMBE SIDDHESHA SHYAM	A	A	A	A		
34	TINALE PRITA SHANKAR	A	A	A	A		
35	HETIV MEER ANAND	A	A	A	A		
36	WADIA MANI SHARMA	A	A	A	A		
37	WADIA MANI SHARMA	A	A	A	A		
38	WADIA MANI SHARMA	A	A	A	A		
39	WADIA MANI SHARMA	A	A	A	A		
40	WADIA MANI SHARMA	A	A	A	A		
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73	WADIA MANI SHARMA	A	A	A	A		
74	WADIA MANI SHARMA	A	A	A	A		
75	WADIA MANI SHARMA	A	A	A	A		
TOTAL STUDENTS		54	65	31	11		
SIGNATURE OF CHIEF EXAMINER							





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Department of Electronics and Telecommunication Engineering

Model Certificate





Department of Electronics and Telecommunication Engineering

Name of Course: MATLAB and Simulink for Research

Duration: 30 hours

Date and Day	Time	Contents
30 th Dec 2019	9.00 to 9.30	Breakfast, Registration and Inauguration
	9.30 – 11.00	History and Introduction to AI
	11.00-11.15	Tea Break
	11.15 -12.45	Agents of AI
	12.45-1.30	Lunch Break
	1.30-4.00	Different types of Intelligent systems
31 st Dec 2019	9.00-11.00	Modelling and simulation of end to end communication system
	11.00-11.15	Tea Break
	11.15-1.15	Modelling the architecture of RF front ends
	1.15-2.00	Lunch Break
	2.00-4.00	Integrating antenna and array designs in system level models
2 nd Jan 2020	9.00-11.00	Walkthrough of classification workflows
	11.00-11.15	Tea Break
	11.15-1.15	Classification using neural networks
	1.15-2.00	Lunch Break
	2.00-4:00	Deep learning with Image data
3 rd Jan 2020	9.00-11.00	Multilayer Perception
	11.00-11.15	Tea Break
	11.15-1.15	Convolutional Neural Network
	1.15-2.00	Lunch Break
	2.00-4.00	Hands-on practice
4 th Jan 2020	10.00-2.30	Exploring recent MATLAB toolboxes Tea Break
	3.00-4.00	Valedictory function





Department of Electronics and Telecommunication Engineering

Report

Duration: 30th December 2019 – 4th January 2020.

Venue: VIVA Institute Of Technology, Shirgaon.

Electronics & Telecommunication Engineering Department of VIVA Institute of Technology organized a 30 hours' certificate course on **“MATLAB and Simulink for Research”** from **30th December 2019 – 4th January 2020** conducted by Mrs. Madhura Ranade.

The objective of the Research with MATLAB and Simulink training program is to learn to create tools with MATLAB that will help to implement new ideas and solve difficult problems. Learning of MATLAB and Simulink will help to apply our research to interesting and challenging real-world problems. This STTP provides comprehensive coverage of MATLAB and Simulink and its applications while providing opportunities for Hands-on practicals.

The purpose of this STTP is to have discussions on various ways in which MATLAB and Simulink tools can be used to carry out research..

Topics Covered in STTP on “Research methodology”

- ☐ Introduction to Artificial Intelligence.
- ☐ exploring recent MATLAB toolboxes.
- ☐ Multilayer perception and convolutional neural net-works.
- ☐ Deep learning with Image data using MATLAB
- ☐ Design and implementing MIMO wireless systems with MATLAB and Simulink

As new developments are introducing in industry day by day demanding expertise in the MATLAB software, it was felt necessary that the student also become competent in the said field.





Department of Electronics and Telecommunication Engineering

Course Objectives

1. Get Hands on Practice on Various MATLAB toolboxes and Simulink.
2. To learn the basics MATLAB toolboxes and Simulink
3. To understand use of MATLAB Simulink and its uses in different research areas.
4. Learn how to set parameters and test the output in Simulink.

Course Outcomes:

- After successful completion of the course, the students are able to
- Get Hands on Practice on Various MATLAB toolboxes and Simulink.
 - Get to learn the basics MATLAB toolboxes and Simulink
 - After the completion of this course the participants will have knowledge of use of MATLAB Simulink and its uses in different research areas.
 - Learn how to set parameters and test the output in Simulink

CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
	2	2	-	-	2	2	-	-	-	-	-	





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VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Website: www.viva-technology.org



Department of Electronics and Telecommunication Engineering
Model Certificate



Student Certificate



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VIVA INSTITUTE OF TECHNOLOGY
 SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Syllabus & Course Outcomes

Course Name: **Advance Solid Works**

Academic Term: **July 2019 to Dec 2019**

Syllabus:

Module	Details	Hours
1	Sketching with SolidWorks: 2D Sketching, sketching entities and relations, 3D Sketching, Editing & its features, Dimensions, Sketch tool, Mirror, Convert entity, Move & Copy Part Modeling: Extrude and Cut extrude, Revolve and Sweep, View toolbar, Creating Reference geometries, Fillet and Chamfer, Hole wizard, Calculating weight/mass & other geometric properties, Export / Import of CAD files.	6
2	Advanced Part Modeling: Adding ribs and draft, Circular and rectangular pattern, Shell and Boss feature, Configuration and Design Tables, Material Library & Assigning Material, Library Features & Smart Fasteners, Boolean operations.	6
3	Assembly Mode: Getting started with Assembly, Inserting components in assembly, Top-Down Assembly, Feature Manager Design tree & Symbols, Hiding components & controlling transparency, Sub-Assemblies, Using mates in assembly, Use of Smart Fasteners, Bottom -Up Assembly, Interference detection and misalignment of holes, Exploding assemblies and adding explode lines.	6
4	Generating detail drawings from Model: Drafting overview, Drawing sheets and views, Adding drawing views, View settings and drawing properties, Smart Dimensioning, Annotations and Symbols, Sheet Formats and Templates, Ballooning for nomenclature, Adding Bill of Material and tables.	6
5	Surface Modeling / Sheet Metal: Introduction to surfacing tools, Sweep, Loft, Revolve, Offset etc., Filleting and trimming, Utilization of Sheet Metal & forming tools.	6



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SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Course Outcomes

Sr. No.	CO Code	Course Outcomes
1	CO_1	Visualize and prepare 2D & 3D modeling of a given object using solid works software.
2	CO_2	Build solid model of a given object using solid works software.
3	CO_3	Generate assembly models of given objects using assembly tools.
4	CO_4	Perform product data exchange among CAD systems.
5	CO_5	Build solid model of a given object using surface modeling.



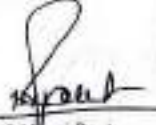
Late Shree Vishva Vihna Waman Charitable Trusts
VIVA Institute of Technology
 At Shinggaon, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ADVANCE SOLID WORKS
 Academic Year: 2019-20

Course Duration : 24th June to 28th June 2019

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			24/06/2019	25/06/2019	26/06/2019	27/06/2019	28/06/2019
1	JAIN ANIRUDHNA KOSHAN	SE	Koshan	Koshan	Koshan	Koshan	Koshan
2	KHOPKAR MAYURI CHANDRAKANT	SE	Khopkar	Khopkar	Khopkar	Khopkar	Khopkar
3	KOKALE KHYATI RAJESH	SE	Kokale	Kokale	A	Khyati	Khyati
4	ARAIKAR CHINMAY RAJESH	TE	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay
5	OMANEKAR MINAD SURESH	TE	Minad	Minad	Minad	Minad	Minad
6	MENEZES CHRIS WILLIAM	TE	Chris	Chris	Chris	Chris	Chris
7	NEDUMATTOM ARUN BABU	TE	Arun	Arun	Arun	Arun	Arun
8	PALIWAL PRIYANKA	TE	Paliwal	Paliwal	A	Priyanka	Priyanka
9	RAJ YEDAN MAHESH	TE	Yedan	Yedan	Yedan	Yedan	Yedan
10	DAVE ROMIL ARVIND SANGITA	BE	Romil	Romil	Romil	A	Romil
11	GHOLE VINAYAK SANJEEVAN	BE	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak
12	KUMBHAR ABHJIT VASANT	BE	Abhjit	Abhjit	Abhjit	Abhjit	Abhjit
13	PAL ANUJ SHIVKARAN SATNA	BE	Anuj	Anuj	Anuj	Anuj	Anuj
14	RAI VINAYAK PRAKASH SUNITA	BE	Vinayak	Vinayak	Vinayak	Vinayak	Vinayak
15	ZAKKAR YOGITA RAJESH BABITA	BE	Yogita	Yogita	Yogita	Yogita	Yogita


 Prof. Tejas Chaudhan
 Faculty Coordinator
 (Mechanical Engineering Dept.)


 Prof. Nivati Raut
 H.O.D.
 (Mechanical Engineering Dept.)




Late Shree Vishnu Vishnu Waman Chaudhari 175519
VIVA Institute of Technology
 At: Shirgaon, Virar (East), Taluka-Vasai, Palghar District - 401105, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ADVANCE SOLID WORKS
 Academic Year - 2019-20

Course Duration : 24th June to 28th June 2019

Time: 1.00 pm to 4.00 pm

Sr. No.	Name of Students	Class	Date				
			24/06/2019	25/06/2019	26/06/2019	27/06/2019	28/06/2019
1	JAIN ANIRUDDHA ROSHAN	SE	Sevin	Sevin	A	Parn	A
2	KHOPKAR MAYURI CHANDRAKANT	SE	Kellu	Kellu	Kellu	Kellu	Kellu
3	KOKALE KHYATI RAJESH	SE	A	Khyati	A	Khyati	Khyati
4	ARAIKAR CHINMAY RAJESH	TE	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay
5	GHANEKAR NINAD SURESH	TE	Ninad	Ninad	Ninad	Ninad	Ninad
6	MENEZES CHRIS WILLIAM	TE	Chris	A	Chris	Chris	Chris
7	NEDUMATTOM ARUN BABU	TE	Arun	A	Arun	Arun	A
8	PALIWAL PRIYANKA	TE	Priyanka	Priyanka	A	Priyanka	A
9	RAI VEDAN MAHESH	TE	Vedant	Vedant	Vedant	Vedant	A
10	DAVE RONIL ARVIND SANGITA	BE	Ronil	Ronil	Ronil	Ronil	Ronil
11	GHOLE VINAYAK SANJEEVAN	BE	Vinayak	A	Vinayak	Vinayak	Vinayak
12	KUMBHAR ABHUT VASANT	BE	A	Abhi	Abhi	Abhi	Abhi
13	PAL ANU SHIVKARAN SATNA	BE	Anu	Anu	Anu	Anu	Anu
14	RAI VINAYAK PRAKASH SUNITA	BE	Vinayak	Vinayak	Vinayak	Vinayak	A
15	ZANKAR YOGITA RAJESH BABITA	BE	Yogita	Yogita	Yogita	Yogita	Yogita


 Prof. Tejas Chaudhary
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Khyati Raut
 H.O.D.
 (Mechanical Engineering Dept.)





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VIVA Institute of Technology
Approved by AICTE New Delhi, DTE, Govt. of Maharashtra and Affiliated to
University of Mumbai
Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. MENEZES CHRIS WILLIAM
has attended a **Short Term Training Program** on "ADVANCE SOLID WORKS" during the
period 24th June – 28th June, 2019 at **Department of Mechanical Engineering, VIVA Institute of
Technology, Shirgaon, Virar.**

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2019-20

Date: 23/11/2019

NOTICE

All the shortlisted students of Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of "ANSYS (Engineering Simulation)" from 30th December 2019 to 04th January 2020.

Timing:-

1st Session:- 9.00 am - 12. pm

2nd session:- 1.00 pm – 4.00 pm

Venue:- CAD CAM Lab



Prof. Tejas Chaudhari

Faculty Co-ordinator



Prof. Niyati Raut

HOD Mechanical



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VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Syllabus & Course Outcomes

Course Name: **ANSYS (Engineering Simulation)**

Academic Term: **Jan 2020 to May 2020**

Syllabus:

Module	Details	Hours
1	Solid Modeling: An Overview of Solid Modeling Operations, Working with Boolean operations, Working Plane, Importing of 3D models.	4
2	Meshing: Free meshing or Mapped meshing, Setting Element Attributes, Selecting Element Type, Shape Function, Defining Element Types, Defining Section Properties, Assigning Element Attributes before meshing, Mesh Controls, The ANSYS Mesh Tool, Smart sizing, Meshing, Free Meshing, Mapped Meshing, Hybrid meshing, Mesh Extrusion, Volume Sweeping.	8
3	Boundary Conditions: Types of Loads, Applying loads. Solvers: Types of Solvers, Solver Setup, Load Step Options, Solving Multiple Load Steps.	6
4	Tips & Tricks: Using the Toolbar & Creating Abbreviations, Introduction to APDL, Using Parameters, Using the Start File, Using the Session Editor, Using Input Files.	4
5	ANSYS Workbench: Introduction to ANSYS Workbench, Graphical User Interface, Static Structural Analysis, Modal Analysis, Thermal Analysis, Contact Recognition.	8



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VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Course Outcomes

Sr. No.	CO Code	Course Outcomes
1	CO_1	Apply basic aspects of Analysis to solve engineering problems.
2	CO_2	Select suitable meshing and perform convergence test.
3	CO_3	Apply basic aspects to solve engineering problems.
4	CO_4	Perform basics tricks and tips to solve engineering problems.
5	CO_5	Interpret the result.



Course Duration : 30th Dec 2019 to 4th Jan 2020

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			30/12/2019	31/12/2019	02/01/2020	03/01/2020	04/01/2020
1	JAIN ANIRUDDHA ROSHAN	SE	A	Seem	Seem	Seem	Seem
2	PATIL SANKET SHIVAJI	SE	Patil	Patil	Patil	Patil	Patil
3	VENKURLEKAR SIDDHESH DEEPAK	SE	Seem	Seem	Seem	Seem	A
4	SHAH TEJ BHAVESH	SE	Tej	Tej	Tej	Tej	Tej
5	BANDEKAR CHETAN BHARAT	TE	Chetan	Chetan	Chetan	Chetan	A
6	HOTKAR TEJDEEP PRABHAKAR	TE	Hotkar	Hotkar	A	Hotkar	Hotkar
7	MALADKAR PARAS RAMCHANDRA	TE	Paras	A	Paras	Paras	Paras
8	PATEL VIRAJ RAJENDRA	TE	Viraj	Viraj	A	Viraj	Viraj
9	SANKHE YATHARTH MANOJ	TE	MANOJ	MANOJ	A	MANOJ	MANOJ
10	TARE CHINMAY DILIP	TE	Dilip	Dilip	Dilip	Dilip	Dilip
11	INGLE AASHAY SHARAD AARTI	BE	Aashay	palhar	palhar	palhar	palhar
12	KATE CHETAN SITARAM SUJATA	BE	Kate	Kate	Kate	Kate	Kate
13	PIMPLE HARSHAL B	BE	Harsh	Harsh	Harsh	Harsh	Harsh
14	RASAL SUJYOT R	BE	Sujot	Sujot	A	Sujot	A
15	SINGH AKASH PRAMOD DURGA	BE	Akash	Prash	Akash	Prash	A


 Prof. Tejas Chaudhary
 Faculty Coordinator


 Prof. Nitya Raut
 HOD

Late Shree Vishnu Vishnu Waman Chaudhale Trust's
VIVA Institute of Technology
 At: Shingao, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ANSYS (Engineering Simulation)
 Academic Year : 2019-20

Course Duration : 30th Dec 2019 to 4th Jan 2020

Time: 1.00 pm to 4.00 pm

Sr. No.	Name of Students	Class	Date				
			30/12/2019	31/12/2019	02/01/2020	03/01/2020	04/01/2020
1	JAIN ANIRUDDHA ROSHAN	SE	Seem	Seem	Seem	Seem	Seem
2	PATIL SANKET SHIVAJI	SE	A	Ratth	A	Ratth	Ratth
3	YENGURLEKAR SIDDHESH DEEPAK	SE	Sud	Sud	Sud	Sud	Sud
4	SHAH TEJ BHAVESH	SE	Tej	Tej	Tej	A	Tej
5	BANDEKAR CHETAN BHARAT	TE	Chetan	Chetan	A	Chetan	Chetan
6	HOTKAR TEJDEEP PRABHAKAR	TE	Hotkar	Hotkar	Hotkar	Hotkar	A
7	MALADKAR PARAS RAMCHANDRA	TE	A	A	Paras	Paras	Paras
8	PATIL VIRAJ RAJENDRA	TE	Vin	Vin	Vin	Vin	Vin
9	SANKHE YATHARTH MANOJ	TE	Man	A	Man	A	A
10	TARE CHINMAY DILIP	TE	Dilip	Dilip	Dilip	Dilip	Dilip
11	INGLE AASHAY SHARAD AARTI	BE	Aashay	Aashay	Aashay	Aashay	Aashay
12	KATE CHETAN SITARAM SUJATA	BE	Kate	A	A	Kate	Kate
13	PIMPLE HARSHAL B	BE	Hr	Hr	Hr	Hr	Hr
14	RASAL SUFYOT IL	BE	Suf	Suf	Suf	A	Suf
15	SINGH AKASH PRAMOD DURG	BE	Akash	Akash	Akash	Akash	Akash


 Prof. Tejas Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Nigati Raut
 H.O.
 (Mechanical Engineering Dept.)





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VIVA Institute of Technology
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University of Mumbai
Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. TARE CHINMAY DILIP
has attended a **Short Term Training Program** on "ANSYS (Engineering Simulation)" during the
period 30th Dec – 04th Jan, 2020 at **Department of Mechanical Engineering, VIVA Institute of
Technology, Shirgaon, Virar.**

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2019-20

Date: 23/12/2019

NOTICE

All the shortlisted students of B.E. Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of **"Introduction to Magnetic Particle Non Destructive Testing (MT) Method"** from 30th December 2019 to 04th January 2020.

Timing:-

1st Session:- 9.00 am - 12.00 pm

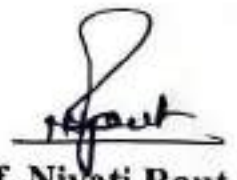
2nd session:- 1.00 pm – 4.00 pm

Venue:- CAD CAM Lab



Prof. Tejas Chaudhari

Faculty Co-ordinator



Prof. Niyati Raut

HOD Mechanical



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Syllabus & Course Outcomes

Course Name: **Introduction to Magnetic Particle Non Destructive Testing (MT) Method**

Academic Year: **2019-20**

Syllabus:

MODULE	DETAILS	HOURS
1	Module 1: Basic Principles of Non-Destructive Testing Definition and importance of NDT Types of NDT methods Visual testing (VT) Liquid penetrant testing (PT) Magnetic particle testing (MT) Eddy current testing (ET) Radiographic testing method (RT) Ultrasonic testing (UT) Comparison of different NDT methods	4
2	Module 2: Magnetization techniques Permanent magnets Electromagnets Coils Magnetization by passage of current Magnetization technique by induction	7
3	Module 3: Testing techniques Testing techniques for work pieces of differing alloy, shape and condition Testing techniques with various types of current Field direction for some specific cases	6
4	Module 4: Knowledge of equipment Permanent magnets Electromagnetic yoke Portable and stationary equipment	6



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 SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

	Types of current and concepts of testing capacity Demagnetization equipment Maintenance and use of the equipment	
5	Module 5: Knowledge of Accessories Contact points Vessels for checking bath concentration Field indicator (Berthold test piece) Calibration pieces (JIS) Magnetic field measurement equipment (gauss meter) Ultraviolet lamps Coloured and fluorescent powders Colour for increasing contrast Morphology of the particles	7

Course Outcomes:

SR. NO.	CO CODE	COURSE OUTCOMES
1	CO_1	Apply basic aspects of Inspection to solve engineering problems.
2	CO_2	Select suitable Magnetization techniques.
3	CO_3	Understand the Testing techniques.
4	CO_4	Understand the Knowledge of equipment.
5	CO_5	Understand the Knowledge of Accessories.



Course Duration : 30th Dec 2019 to 4th Jan 2020

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			30/12/2019	31/12/2019	02/01/2020	03/01/2020	04/01/2020
1	ADKHALE BHARAT YASHWANT PRATIKSHA	BE	BHARAT	BHARAT	BHARAT	BHARAT	BHARAT
2	BALIGA SIDDHESH SATISH SEEMA	BE	SSB	AB	SSB	SSB	SSB
3	BHANGALE CHIRAG NARENDRA MALINI	BE	CMB	CMB	CMB	CMB	CMB
4	BHOIR VIRUSHALI GAJANAN KAVITA	BE	AB	AB	AB	AB	AB
5	BHOSALE RUSHIKESH SUBHASH PUSHPA	BE	AB	AB	AB	AB	AB
6	BIRWATKAR ANIKET ANANT AKSHATA	BE	AB	AB	AB	AB	AB
7	GULHANE AMAN ASHOK MANITA	BE	AB	AB	AB	AB	AB
8	HASE NIKHIL BALASAREB PRATIBHA	BE	AB	AB	AB	AB	AB
9	JADHAV VIKRANT VISHNU THERESA	BE	AB	AB	AB	AB	AB
10	JAWLE SIDDHESH SONU NITA	BE	SSB	SSB	SSB	SSB	SSB
11	KATALE ROHIT RAJENDRA RANITA	BE	AB	AB	AB	AB	AB
12	KHARAT ASHWINI KAILAS SANGITA	BE	RRR	RRR	RRR	RRR	RRR
13	KOTIAN SHUBHAM GANESH KALAVATI	BE	AB	AB	AB	AB	AB
14	LEMBHR RAHUL CHUDAMANI SUNITA	BE	AB	AB	AB	AB	AB
15	MISHRA SANGAM ANIL MANATA	BE	AB	AB	AB	AB	AB
16	NAWAR JATIN SANJAY TANVI	BE	AB	AB	AB	AB	AB
17	PATIL CHINAR ANAND BHARATI	BE	AB	AB	AB	AB	AB
18	PATIL Jitesh GURUNATH GITANALI	BE	JGP	JGP	JGP	JGP	JGP
19	PATIL MANDAR CHANDRAKANT VINAYA	BE	AB	AB	AB	AB	AB
20	PATIL MANTHAN MILIND MANISHA	BE	MP	MP	MP	MP	MP
21	SALUNKHE SOHAM VISHWANATH SWAPNALI	BE	MP	MP	MP	MP	MP
22	SAPKAL JAYESH ASHOK NITA	BE	AB	AB	AB	AB	AB
23	SAVE KSHITU PRASHANTKUMAR PRACHI	BE	AB	AB	AB	AB	AB
24	SHAH SHALIN RAKESH RITA	BE	AB	AB	AB	AB	AB
25	SHRIDHAR AKSHAY SHRIPATI ARCHANA	BE	AB	AB	AB	AB	AB
26	SULE CHIRAG LAXMAN MUKTA	BE	CLS	CLS	CLS	CLS	CLS
27	THAKUR KRISHNA BAMESH PRAMILA	BE	AB	AB	AB	AB	AB
28	THOKAL AVINASH DATTU RATNAPRABHA	BE	AB	AB	AB	AB	AB
29	VICHARE AKASH PRADEEP HEMANGI	BE	AB	AB	AB	AB	AB
30	YADAV RAHUL KHELADI NIRMALA	BE	AB	AB	AB	AB	AB

Prof. Tejas Chaudhari
Faculty Co-ordinator
(Mechanical Engineering Dept.)

Prof. Nitya Raut
H.O.D.
(Mechanical Engineering Dept.)



Course Duration : 30th Dec 2019 to 4th Jan 2020

Time: 1.00 pm to 4.00 pm

Sr. No.	Name of Students	Class	Date				
			30/12/2019	31/12/2019	01/01/2020	03/01/2020	04/01/2020
1	ADKHALE BHARAT YASHIVANT PRATIKSHA	BE	AB	AB	AB	AB	AB
2	BALIGA SIDDHESH SATISH SEEMA	BE	SSB	AB	SSB	SSB	SSB
3	BHANGALE CHIRAG NARENDRA MALINI	BE	AMB	SNB	AMB	AMB	AMB
4	BHOER VRUSHALI GAJANAN KAVITA	BE	AB	AMB	AMB	AMB	AMB
5	BHOSALE RUSHIKESH SUBHASH PUSHPA	BE	AMB	AB	AB	AB	AB
6	BIRWATKAR ANIKET ANANT AKSHATA	BE	AB	AB	AB	AB	AB
7	GULHANE AMAN ASHOK MANITA	BE	AMB	AMB	AMB	AMB	AMB
8	HASE NIKHIL BALASAHEB PRATIBHA	BE	AB	AB	AB	AB	AB
9	JADHAV VIKRANT VISHNU THERESA	BE	AMB	AMB	AMB	AMB	AMB
10	JAYLE SIDDHESH SONU NITA	BE	SSB	SSB	SSB	SSB	SSB
11	KATALE ROHIT RAJENDRA RANJITA	BE	AB	AB	AB	AB	AB
12	KHARAT ASHWINI KAILAS SANGITA	BE	AMB	AMB	AMB	AMB	AMB
13	KOTIAN SHUBHAM GANESH KALAVATI	BE	AB	AB	AB	AB	AB
14	LEMBHR RAHUL CHUDAMANI SUNITA	BE	AMB	AMB	AMB	AMB	AB
15	MISHRA SANGAM ANIL MANATA	BE	AMB	AMB	AMB	AMB	AMB
16	NAWAR JATIN SANJAY TANYI	BE	AMB	AMB	AMB	AMB	AB
17	PATIL CHINAI ANAND BHARATI	BE	AMB	AMB	AMB	AMB	AMB
18	PATIL JITESH GURUNATH GITANJALI	BE	AMB	AB	AMB	AMB	AMB
19	PATIL MANDAR CHANDBAKANT VINAYA	BE	AMB	AMB	AMB	AMB	AMB
20	PATIL MANTHAN MILIND MANISHA	BE	AMB	AMB	AMB	AMB	AMB
21	SALUNKHE SOHAM VISHWANATH SWAPNALI	BE	AMB	AMB	AMB	AMB	AMB
22	SAPKAL JAYESH ASHOK NITA	BE	AMB	AB	AMB	AMB	AMB
23	SAVE KSHITU PRASHANTKUMAR PRACHI	BE	AMB	AMB	AMB	AMB	AMB
24	SHAH SHALIN RAKESH RITA	BE	AMB	AB	AMB	AMB	AMB
25	SHINDKAR AKSHAY SHRIPATI ARCHANA	BE	AMB	AMB	AMB	AMB	AMB
26	SULE CHIRAG LAXMAN MUKTA	BE	CLB	CLB	CLB	CLB	CLB
27	THAKUR KRISHNA RAMESH PRAMELA	BE	AMB	AB	AMB	AMB	AMB
28	THOKAL AVINASH DATTU RATNAPRABHA	BE	AMB	AMB	AMB	AMB	AMB
29	VICHARE AKASH PRADEEP HEMANGI	BE	AB	AMB	AMB	AMB	AMB
30	YADAV RAHUL KHELADI NIRMALA	BE	AMB	AMB	AMB	AMB	AB

Prof. Tejas Chaudhari
Faculty Co-ordinator
(Mechanical Engineering Dept.)

Prof. Niyam Raut
H.O.D.
(Mechanical Engineering Dept.)





Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE New Delhi, DTE, Govt. of Maharashtra and Affiliated to
University of Mumbai

Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. HASE NIKHIL BALASAHEB PRATIBHA
has attended a Short Term Training Program on **"Introduction to Magnetic Particle Non
Destructive Testing (MT) Method"** during the period 30th Dec 2019 to 04th Jan, 2020 at
Department of Mechanical Engineering, VIVA Institute of Technology, Shirgaon, Virar.

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



VALUE ADDED COURSE

Name of Course:	Printed Circuit Board (PCB) Designing	Branch:	Electrical Engineering
Duration:	30 Hours	Instructors:	Bhavita Patil
Date of Commencement:	05 July 2019	Date of conclusion:	31 Oct 2019

Course Outcomes	
Upon successful completion of the course, the student must be able to	
CO1	To understand the requirements of designing a PCB using software.
CO2	To understand various components required for PCB design and their electrical ratings.
CO3	To use development tools for PCB designing
CO4	To understand design standards and flow charts

Syllabus		
Unit No.	Contents	Hours
1	Introduction to PCB designing concepts: Introduction & Brief History: What is PCB, Difference between PWB and PCB, Types of PCBs: Single Sided (Single Layer), Multi-Layer (Double Layer), PCB Materials. Prototyping, eCAD and PCBs, Purpose and Intent, Equipment Computer Circuit Programming and Testing Hardware, PCB Component Hardware, Software, MPLAB X IDE and XC8 Compiler, Understanding the Walkthrough	6
2	Component introduction and their categories: Types of Components: Active Components, Passive Components Component Package Types: Axial lead, Radial Lead, Single Inline Package(SIP), Dual Inline Package(DIP), Transistor Outline(TO), Pin Grid Array(PGA), Metal Electrode Face(MELF), Leadless Chip Carrier (LCC), Small Outline Integrated Circuit(SOIC), Quad Flat Pack(QFP) and Thin QFP (TQFP), Ball Grid Array (BGA), Plastic Leaded Chip Carrier(PLCC)	6
3	Introduction to Development Tools: Introduction to PCB Design using OrCAD tool, Introduction to PCB Design using PROTEUS tool	6
4	Detailed description and practical of PCB designing	6



	PCB Designing Flow Chart, Description of PCB Layers, Keywords & Their Description, PCB Materials, Rules for Track, Study of IPC Standards	
5	Lab practice and designing concepts: Starting the PCB designing, Auto routing, PCB Designing Practice, Post Designing& PCB Fabrication Process, Testing and Troubleshooting Methods	6

Learning Resources	
Text Books:	
	1. Kraig Mitzner, “Complete PCB Design Using OrCad Capture and Layout”, 2011
Reference Books:	
	1. "PCB Design for Real-World EMI Control (The Springer International Series in Engineering and Computer Science)" by James Drewniak and Bruce R Archambeault. 2. "PCB Design: Printed Circuit Board" by Michael Dsouza and Dsouza Michael



VIVA Institute of Technology, Virar

19

SUBJECT: Printed cb design

S.E. ELECTRICAL (2019-2020)

SUBJECT INCHARGE: Bhavita Pasi

R. No.	Name	5/9/19	5/9/19	12/9/19	12/9/19	19/9/19	19/9/19	26/9/19	26/9/19	P	C	T
	Time	2:30	2:30	2:30	2:30	2:30	2:30	2:30	3:30			
✓	CHOURAN SANGITA PREM NARAYAN	Csp	A	Csp	A	Csp	Csp	Csp	Csp			
2	GOSWAMI ADITI SURYAKANT											
3	GUPTA AYANABHUMAI SEWALAL											
4	INDHAV DEEPTI ANIL											
5	KAMBLE SHWETA NARENDRA											
✓	MUNDAYAT DIPREESH RAVINDRAN	Mbu	Mbu	A	Mbu	Mbu	Mbu	Mbu	Mbu			
6	PANDEY PRAKASH JIAN											
✓	PATIL ALPESH HUKLUD	PAm	A	PAm	PAm	PAm	PAm	PAm	PAm			
9	PATIL BHAYIN SHARFAND											
10	PATIL SAKSHI KOPAN											
✓	PAWAR FAIGUNI RANCHANDEA	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP			
12	PELKE NISHANT JITENDRA											
13	PINPLE TANAY NARENDRA											
14	RANOD PRATHAM PANDHARINATH											
✓	SAVED AMAN KASAB	Syn	Syn	Syn	Syn	Syn	A	Syn	Syn			
16	SAWANT PRATEK RAVINDRA											
17	SHONDE RAJ SATISH											
18	POOMATI SNEHA DEVIKA											
19	THAKARE BHAVESH SHRIKANT											
✓	THAKARE CHETANA NARAYAN	Tha	Tha	Tha	Tha	Tha	Tha	Tha	Tha			
✓	UPADHYAY ALOK B.	Ahu	Ahu	Ahu	Ahu	Ahu	Ahu	Ahu	Ahu			
✓	VEDGA ASMITA RANCHANDRA	Vedg	Vedg	A	Vedg	A	Vedg	Vedg	Vedg			
23	VEKHANDE PRATHMESH PRAKASH											
24	VISHWAKARMA PRINCE KUMAR B.											
25	VADAV AAKASH SATISH											
26	SANKHE YUGAN											
✓	GURUPRAVIN	Gup	A	Gup	Gup	A	Gup	Gup	Gup			
28	GUPTA HARSINI B.											
29	BHOIR AKISHA D.											
30	GOSAVI SUYASH M											
✓	MAEWA NARATIE B.	Mae	Mae	Mae	Mae	Mae	Mae	Mae	Mae			
✓	JANK PARTH B.	Jank	A	Jank	A	Jank	A	Jank	Jank			
33	PATIL RUSHIKESH K											
34	CHANAVE CHETAN F											
✓	VAZE ASHUTOSH H	Vaz	Vaz	Vaz	Vaz	Vaz	Vaz	A	Vaz			
36	CHOPRA ANKIT H											
✓	NAIDHAN MIBHA B.	Nai	Nai	Nai	Nai	Nai	Nai	Nai	Nai			
38	CHAND NITESH BEKAJI											
✓	KUMBHAR VRUSHALI B.	Vkt	Vkt	Vkt	Vkt	Vkt	Vkt	Vkt	Vkt			
40	VELPADA SUREKHA C											
41	SAWANT ROMAN V											
✓	SHUSARA RITESH A.	Bhu	Bhu	A	Bhu	A	Bhu	Bhu	Bhu			
43	PAUT KALPET H											



VIVA Institute of Technology, Virar

S.E. ELECTRICAL (2019-2020)

SUBJECT:

SUBJECT INCHARGE:

No.	Name	28/19	2/5/19	7/5/19	1/6/19	6/7/19	6/9/19	13/9/19	20/9/19	P	C	T
No.	Name											
1	CHOUHAN SANGITA PREM NARAYAN	CSP	CSP	CSP	CSP	CSP	CSP	CSP	CSP			
2	GIDDE ADITI SURYAKANT											
3	GUPTA AVINASHKUMAR SUDHAJAL											
4	GUJRAY BODHI ANIL											
5	KAMBLE SHWETA NARENDRA											
6	MUNDAYAT SHEETISH RAVINDRAN	Much	Much	A	Much	A	Much	Much	Much			
7	PANDE POUHAKIRAN											
8	PATEL ALPESH MUKUND	Pam	Pam	A	Pam	Pam	Pam	Pam	Pam			
9	PATEL BHAVIN MARTAND											
10	PATEL SANJAY GOPAN											
11	PAWAR FALGUN RAMCHANDRA	FRP	FRP	FRP	FRP	A	FRP	FRP	FRP			
12	PILKE NISHANT JITENDRA											
13	PIMPLE TANAY NARENDRA											
14	RAWOL PLATHAM PANDHARINATH											
15	SAIYED AMAN KAUSSAR	Syn	Syn	Syn	Syn	Syn	Syn	Syn	Syn			
16	SAWANT PRATIK RAVINDRA											
17	SHINDE RAJ SATISH											
18	POODAE SNEHA DEVRAJ											
19	THAKARE BHAVESH SIBIRKANT	Thak	Thak	Thak	Thak	Thak	Thak	Thak	Thak			
20	THAKARE CHETANA NARAYAN											
21	UPADHYAY ALOK B.	Any	Any	Any	Any	Any	Any	A	Any			
22	VEDGA ASMITA RAMCHANDRA	Verdy	Verdy	Verdy	Verdy	Verdy	Verdy	Verdy	Verdy			
23	VEKHANDE PRATHNESH PRAKASH											
24	VISHWAKARMA PRINCE KUMAR R.											
25	VADAV AAKASH SATISH											
26	SANKHE YUGAN											
27	GURI PRAVIN	Gp	Gp	Gp	Gp	Gp	A	A	Gp			
28	GUPTA HARSHAL B											
29	BHOSR AMISHA D											
30	GOSAVI SUYASH M											
31	MAKAWANA PRATIK B											
32	TANK PARTHI D	Tak	Tak	Tak	Tak	A	Tak	Tak	Tak			
33	PATEL RUSHIKESH K											
34	GHANAVE CHETAN F											
35	VAZE ASHUTOSH N											
36	HIRAPARA ANKIT R											
37	NANJANI MITUL R											
38	LASE NITESH DUKAT											
39	KUMBHAR VRUSHALI B	Vkr	A	Vkr	Vkr	Vkr	Vkr	Vkr	Vkr			
40	VELPADA SURESHA C											
41	SAWANT ROMAN V											
42	BHUSARA JITESH A											
43	RAUT KALPIT M											



VIVA Institute of Technology, Virar

SUBJECT:

S.E. ELECTRICAL (2019-2020)

SUBJECT INCHARGE:

B. No.	Name	27/9/19	28/9/19	29/9/19	30/9/19	1/10/19	2/10/19	3/10/19	4/10/19	P	C	T
1	CHOUHAN SANGITA PREM NARAYAN	CS	CS	CS	CS	CS	CS	CS	CS			
2	GLIBILE ADITI SURYAKANT											
3	GUPTA AVINASHDUMR SEWALAL											
4	JADHAV VEDHA AVE											
5	KAMBLE SHREYA NARENDRA											
6	MUNDAYAT SREETISH RAVINDRAN											
7	PADHIE RASHI KIRAN											
8	PATEL ALPESH MUKUND											
9	PATEL BHAVIN MARTAND											
10	PATEL SANKET SOPAN	SP	SP	SP	SP	SP	SP	SP	SP			
11	PAWAR TALGUNI RANJANENDRA	FR	FR	FR	FR	FR	FR	FR	FR			
12	PILKE NISANT JITENDRA											
13	PINPLE TANAY NARENDRA											
14	RAWOL PRATHAM PANDURINATH	PR	PR	A	PR	PR	PR	PR	PR			
15	SAIYED AMAAN KAUSAR											
16	SAWANT PRATIK RAVENDRA											
17	SHINDE RAJ SATISH	SR	SR	SR	SR	SR	SR	SR	SR			
18	SOJANI SNEHA DEVKAI											
19	THAKARE BHAVENI SHEKANT											
20	THAKARE CHETANA NARAYAN											
21	UPADHYAY ALOK B.											
22	VEDGA ANITA RANJANENDRA	Ved	Ved	Ved	Ved	Ved	A	Ved	Ved			
23	VEKHARDE PRATHMESH PRAKASH											
24	VISHWAKARMA PRINCE KUMAR B.											
25	YADAV LAKASHI SAYME											
26	SAHOTE YUGAN											
27	GURE PRAVIN											
28	GUPTA HARSHAL B											
29	BHOER ANISHA D.											
30	GOSAVI SUTASHI M											
31	MAKAWANA PRATIB B											
32	TANE PARSH B	Tan	Tan	Tan	Tan	Tan	Tan	Tan	Tan	A		
33	PATIL RUSHIKESH K.											
34	DHANAVE CHETAN F											
35	VAZE ANRUTOSH N											
36	HIRPARI ANKIT R											
37	NARJANI MEER R.											
38	LANE NITESH BHICAJI											
39	KUMBHAR VRUSHALI B											
40	VELPADA SUREKHA C											
41	SAWANT BOHAN V											
42	BERISARA JIJESHA A											
43	RAUT KALPIT H											



VIVA Institute of Technology, Virar

SUBJECT:

S.E. ELECTRICAL (2019-2020)

SUBJECT INCHARGE:

R. No.	Name	25/10/19	26/10/19	27/10/19	28/10/19	29/10/19	30/10/19	31/10/19	P	C	T
1	CHOURHAN SANGITA TREM NARAYAN	CSP	CSP	CSP	CSP	CSP	CSP	CSP			
2	GUDILE ADITI SURYAKANT										
3	GUPTA AVINASH KUMAR SEWALAL										
4	JADHAV KISHOR ANIL										
5	KAMBLE SHIVETA NARENDRA										
6	PUNDAYAT PREETISH RAVINDRAN										
7	PANDE POOJA KIRAN										
8	PATIL ALFESH MUKUND										
9	PATEL DEHAVIN NARTAND										
10	PATEL SANKET SUPAN	Sat	Sat	Sat	Sat	Sat	Sat	Sat			
11	PAWAR FALGUNI RANJITHAPERA	FAR	FAR	FAR	FAR	FAR	FAR	FAR			
12	PEKE NISHANT HIRHARA	Phu	Phu	Phu	Phu	Phu	Phu	Phu			
13	PIMPLE TANAY NARENDRA	Phu	Phu	Phu	Phu	Phu	Phu	Phu			
14	RAWOL PRATHAM PANDHARINATH										
15	SAIYED AMAN KAUJAR										
16	SAWANT PRATIK RAVINDRA										
17	SHINDE RAJ SATISH										
18	PODIARI SNEHA DEVIRAJ	Pass	Pass	Pass	Pass	Pass	Pass	Pass			
19	THAKARE BHAVISH SHIKANT	TBS	TBS	TBS	TBS	TBS	TBS	TBS			
20	THAKARE CHETANA NARAYAN										
21	UPADHYAY ALOK B.										
22	VEDGA ANITA RAMCHANDRA	Vedga	A	Vedga	A	Vedga	A	Vedga			
23	VERHARDE PRATHMESH PRAKASH										
24	VISHWAKARMA PRINCE KUNAR R.	VPR	VPR	VPR	A	VPR	VPR	VPR			
25	VADAV AAKASHI SATISH										
26	SANKHE YUGAN	Sankhe	Sankhe	Sankhe	Sankhe	Sankhe	Sankhe	Sankhe			
27	GIRI PRAVIN										
28	GUPTA HARSHAL B.										
29	DHOER AMISHA D.										
30	GOSAVI SUYASH M.										
31	MAKWARA PRATIK B.										
32	TANE PARTH	Tank	Tank	Tank	Tank	Tank	A	Tank			
33	PATIL RUSHIKESH K.										
34	DHANAVE CHETAN F.										
35	VAZE ASHUTOSH W.										
36	HIRPARA ANKIT R.	HAR	HAR	HAR	HAR	HAR	HAR	HAR			
37	SANDHAN MIBIR R.										
38	LASE NITESH BHIRAM										
39	KUMBHAR VRUSHALI B.										
40	VELPADA SUREKHA C.										
41	SAWANT ROHAN V.										
42	DEUSARA JETESH A.	Bju	Bju	Bju	Bju	Bju	Bju	Bju			
43	RAUT KALPIT M.										



VIVA INSTITUTE OF TECHNOLOGY

(Affiliated to University of Mumbai; Approved by AICTE & DTE)
Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Thakare Chetana Narayan
of SE Electrical
has successfully completed value added course on
“Printed Circuit Board Design”
organized by
Department of Electrical Engineering
for A.Y. 2019-20 from 5th Jul 2019 to 31st Oct 2019.



Prof. Bhavita Patil
Course Coordinator



Prof. Bhushan Save
Head of Department



VALUE ADDED COURSE

Name of Course:	Electrical Safety Practices	Branch:	Electrical Engineering
Duration:	30 Hours	Coordinator:	Prof. Pratik Mahale
Date of Commencement:	5 Jul 2019	Date of Conclusion:	4 Oct 2019

Course Outcomes	
Upon successful completion of the course, the student must be able to	
CO1	Understand the Indian power sector organization and Electricity rules, electrical safety in residential, commercial, agriculture, hazardous areas and use of fire extinguishers.
CO2	Outline the electrical safety during installation, testing, and commissioning procedures.
CO3	Make use of specifications of electrical plants and classification of safety equipment for various hazardous locations.
CO4	Distinguish various fire extinguishers and their classification.

Syllabus		
Unit No.	Contents	Hours
1	Introduction To Electrical Safety, Shocks And Their Prevention: Term and definitions, objectives of safety and security measures, Hazards associated with electric current and voltage, who is exposed, principles of electrical safety, Approach to prevent Accidents, the scope of subject electrical safety. Primary and secondary electrical shocks, possibilities of getting an electrical shock and its severity, medical analysis of electric shocks and its effects, shocks due to flash/ Spark over's, prevention of shocks, safety precautions against contact shocks, flash shocks, burns, residential buildings, and shop.	6
2	Overview of the Safety Model: Wiring and fitting, Domestic appliances, water tap giving a shock, shock from the wet wall, fan firing shock, multi-storied building, Temporary installations, Agricultural pump installation, Do's and Don'ts for safety in the use of domestic electrical appliances.	6
3	Electrical Hazards recognizing and Evaluating Preliminary preparations, safe sequence, the risk of plant and equipment, safety documentation, field quality, and safety, personal protective equipment, safety clearance notice, safety precautions, safeguards for operators, safety.	6
4	Controlling Hazards: Safe Work Environment: Hazardous zones, class 0, 1 and 2, spark, flashovers, and corona discharge and functional requirements, Specifications of electrical plants, equipment for hazardous	6



	locations, Classification of equipment enclosure for various hazardous gases and vapors, classification of equipment/enclosure for hazardous locations.	
5	Controlling Hazards: Safe Work Practices: Fundamentals of fire, initiation of fires, types; extinguishing techniques, prevention of fire, types of fire extinguishers, fire detection and alarm system; CO ₂ and Halogen gas schemes; foam schemes, Ladder safety fact sheet, Avoid wet working conditions and other dangers, Avoid overhead powerlines	6

Learning Resources	
Text Books:	
	1. Rao, S. and Saluja, H.L., “Electrical Safety, Fire Safety Engineering and Safety Management”, Khanna Publishers, 1988.
Reference Books:	
	1. Cooper. W.F, “Electrical safety Engineering”, Newnes-Butterworth Company, 1978. 2. John Codick, “Electrical safety handbook”, McGraw Hill Inc., New Delhi, 2000. 3. Nagrath, I.J., and Kothari, D.P., “Power System Engineering”, Tata McGraw Hill, 1998. 4. Wadhwa, C.L., “Electric Power Systems”, New Age International, 2004.



VIVA Institute of Technology, Virar

SUBJECT: Power Machine
SUBJECT INCHARGE: (ESP) TE

T.E. ELECTRICAL (2019-2020)

15

R. No.	Name	5/7/19	5/8/19	5/9/19	12/11/19	12/12/19	12/1/20	12/2/20	12/3/20	12/4/20	P	C	T
1	AGRE SHUBHAM SHANKAR												
2	AKRE SARVESH VINOD												
3	AGARWAL RISHAB PRASAD	Bayu	Bayu	Bayu	Bayu	Bayu	Bayu	Bayu	Bayu	Bayu			
4	BALESHWAR PRAKASH REDHATH												
5	CHOUR RAKESH GANESH	21/11/19	21/11/19	21/11/19	21/11/19	21/11/19	21/11/19	21/11/19	21/11/19	21/11/19			
6	DEBBARWALLA DEVIKESH SURESH												
7	BOHRE MITUL YADAV												
8	BHARLE DHIRAJ RAJU												
9	CHATURBAM JIVANRANJIT												
10	CHAVAN DEEPA KAMU	CDR	CDR	CDR	CDR	CDR	CDR	CDR	CDR	CDR			
11	CHAVAN MATUL VIKAS												
12	CHAVAN RUTUA AJAY												
13	DANDEKAR CHITRAJ												
14	DARADE POUJA PRAKASH	Dante	Dante	Dante	Dante	Dante	Dante	Dante	Dante	Dante			
15	DAYANE DHIRAJ RAJESH												
16	DEHERIKAR YASH NARESH												
17	DHANSAGADA AMBHAS GOVIND												
18	DHOKTE VINAY SANTHEP												
19	DHAKAR JAGRUTI SURESH												
20	DHONKAR DINKAR VIDAY	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri			
21	GAUTAM ANJIT JURESH												
22	GILHE LAXMI VINAY												
23	GIRIJA PRIYA ATUL												
24	GUPTA RAJENDRA BASHISHT												
25	GUPTA REEHA SHIVKUMAR	Gurp	Gurp	Gurp	Gurp	Gurp	Gurp	Gurp	Gurp	Gurp			
26	HADAL DIPALI GANPAT	HDP	HDP	HDP	HDP	HDP	HDP	HDP	HDP	HDP			
27	KADAM ADISHWARYA MANGESH												
28	KAMERKAR VISHVASH MAHESH	Kaul	Kaul	Kaul	Kaul	Kaul	Kaul	Kaul	Kaul	Kaul			
29	KANADE SANJEEV SUNIL												
30	KHARDE PRAKASH P												
31	KHARDE VISHAY PRAMOD												
32	KOLEKAR KUSHAL VILAS												
33	KOTIYAR DHIRAJ JAGDISH												
34	MACHHI PAVAN PRASAD												
35	MARDOLKAR SACHIN DINKAR	SDM	SDM	SDM	SDM	SDM	SDM	SDM	SDM	SDM			
36	MESRA SANDEEP INDRAMANI												
37	MONGER SACHIN SIVKAM												
38	PACHARKE ASHISHKUMAR A												
39	PATIL ANIRUDDHA VISHWANATH	Pahla	Pahla	Pahla	Pahla	Pahla	Pahla	Pahla	Pahla	Pahla			
40	PATIL ASHUTOSH SANDEEP												
41	PATIL PRAMOD KANESH												
42	PATE PRATHAMESH KANTI												
43	PATE SHUBHAM JAGANNATH												



VIVA Institute of Technology, Virar

T.E. ELECTRICAL (2019-2020)

SUBJECT:

SUBJECT INCHARGE:

R. No.	Name	19/9/19	26/9/19	3/10/19	10/10/19	17/10/19	24/10/19	31/10/19	7/11/19	14/11/19	21/11/19	28/11/19	P	C	T
1	AGRE BHUBHAM SHANKAR														
2	AVARE SARVESH VIROD														
3	BAGWE NINAD PRASAD	Bapu	Bapu	Bapu	Bapu	Bapu	Bapu	Bapu	Bapu	Bapu	Bapu	Bapu			
4	BALOGADE PAVAN AHIRATH														
5	BHOIR NATEK GANESH	Shir	Shir	Shir	Shir	Shir	Shir	Shir	Shir	Shir	Shir	Shir			
6	BHIRABALLA DEVANGEL SURESH														
7	BHOSLE MITALI VADAY														
8	BURALE DHIRAJ RAJU														
9	CHALWASA SHIVAM RANDEET														
10	CHAVAN DIPALI HARJ	CDP	CDP	CDP	CDP	CDP	CDP	CDP	CDP	CDP	CDP	CDP			
11	CHAVAN MAHESH VIJAY														
12	CHAVAN RUTUJA ADAY														
13	DAVDEKAR CHINMAY														
14	DARADE POOJA PRAKASH	Dandi	Dandi	Dandi	Dandi	Dandi	Dandi	Dandi	Dandi	Dandi	Dandi	Dandi			
15	DAVANI ISHANI RAJESH														
16	DEKHEKAR YASH NARESH														
17	DHANGADA AVINASH GOWIND														
18	DHOKTE VINOD SANDEEP														
19	GAIKAR JAGRUTI SURESH														
20	GAONKAR ONKAR VIDAY	Gauh	Gauh	Gauh	Gauh	Gauh	Gauh	Gauh	Gauh	Gauh	Gauh	Gauh			
21	GAVALANKET SURESH														
22	GILBIL LAXMI VIDAY														
23	GUPTA PIYUSH ATUL														
24	GUPTA RAJENDRA BASHIST	Gup	Gup	Gup	Gup	Gup	Gup	Gup	Gup	Gup	Gup	Gup			
25	GUPTA REEHA SHEVKUMAR	HDX	HDX	HDX	HDX	HDX	HDX	HDX	HDX	HDX	HDX	HDX			
26	KADAL DIPALI GANPAT														
27	KADAM ASHVARYA NARESH														
28	KAMERKAR VIKASH NARESH	Kam	Kam	Kam	Kam	Kam	Kam	Kam	Kam	Kam	Kam	Kam			
29	KANADE SAMBUDH SUNIL														
30	KHARDE PRASHANT P														
31	KHARANGE VISHAL PRAMOD														
32	KHOSKAR KUSHAL VILAS														
33	KOTIYAN DHIRAJ JAGDESH														
34	MACHIRI PAVAN PRADIP														
35	MARGOLKAR SACHIN DENKAR	SDM	SDM	SDM	SDM	SDM	SDM	SDM	SDM	SDM	SDM	SDM			
36	MUNIRA SANDEEP DEDRAMANI														
37	MUNDKAR SACHIN DHYRAM														
38	PACHAREKAR ASHISHKUMAR A														
39	PATEL ANURADHA VESHWANATH														
40	PATEL ASHUTOSH SANDEEP	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat			
41	PATEL PRAMOD JAMESH														
42	PATEL PRATHAMESH KANTI														
43	PATEL SURESH JAGANNATH														



[illegible]

VIVA Institute of Technology, Virar

SUBJECT:

T.E. ELECTRICAL (2019-2020)

SUBJECT INCHARGE:

S. No.	Name	16/19	17/19	18/19	19/19	20/19	21/19	22/19	23/19	P	C	T
1	AGRE SHUBHAM SHANKAR											
2	AGRE SARVESH VINOD											
3	AGRE NINAD PRASAD											
4	AGRE PAVAN AGNATH											
5	AGRE NAITIK GANESH	अनुर	अनुर	अनुर	अनुर	अनुर	अनुर	अनुर	अनुर			
6	AGRE BAWALA DEVANEE SURESH											
7	AGRE MITALI YADAV											
8	AGRE DHIRAJ RAZI	DBR	DBR	DBR	DBR	DBR	DBR	DBR	DBR			
9	AGRE SHIVAM RANJIT											
10	AGRE DEEPALE RANJIT											
11	AGRE MAYUR VIJAY	Murli	Murli	Murli	Murli	Murli	Murli	Murli	Murli			
12	AGRE RUTUJA AJAY											
13	AGRE CHENHAY	Dar	Dar	Dar	Dar	Dar	Dar	Dar	Dar			
14	AGRE POOJA PRAKASH											
15	AGRE ISHANI RAJESH											
16	AGRE YASH MARISH	YNDR	YNDR	YNDR	YNDR	YNDR	YNDR	YNDR	YNDR			
17	AGRE AVINASH GOVIND											
18	AGRE VIKUL SANDEEP											
19	AGRE JAGRUTI SURESH											
20	AGRE DHIRAJ VIJAY											
21	AGRE ANKIT SURESH	3DPR	3DPR	3DPR	3DPR	3DPR	3DPR	3DPR	3DPR			
22	AGRE LAXMI VIJAY											
23	AGRE RIYA ATUL											
24	AGRE RAJENDRA BASHIST											
25	AGRE REENA SHIVKUMAR											
26	AGRE DIPALI GANPAT											
27	AGRE ASHOKARVA MARGESH	MKADR	MKADR	MKADR	MKADR	MKADR	MKADR	MKADR	MKADR			
28	AGRE VRUSHABH MANISH	OPNR	OPNR	OPNR	OPNR	OPNR	OPNR	OPNR	OPNR			
29	AGRE SAMBUDHINI SUNIL											
30	AGRE PRASANT P											
31	AGRE VAIBHAV PRAMOD											
32	AGRE KUSHAL VILAS											
33	AGRE DHIRAJ JAGDISH	KDR	KDR	KDR	KDR	KDR	KDR	KDR	KDR			
34	AGRE PAVAN PRAVEJ											
35	AGRE SACHIN DINKAR											
36	AGRE SANDEEP INDRAMANI											
37	AGRE SACHIN SHIVKUMAR											
38	AGRE ASHOKKUMAR A	PAA	PAA	PAA	PAA	PAA	PAA	PAA	PAA			
39	AGRE ANURUDHA VISHWANATH											
40	AGRE ASHUTOSH SANDEEP											
41	AGRE PRAMOD RAMESH	PAPR	PAPR	PAPR	PAPR	PAPR	PAPR	PAPR	PAPR			
42	AGRE PRATHAMESH RANJIT											
43	AGRE SHUBHAM JAGANNATH											



44	SHINDEKAR CHIKAR ANANDA								
45	LANE NETRA PRAKASH								
46	LATHOD PRASHTEEL RAJESH								
47	LAKPAL TERAS RAMCHANDRA								
48	SALUNKHE RIYA BHARAT								
49	SAMANT AADITYA GURSH								
50	SASE PARAG RAJESH								
51	SAWANT BHAVANA JAYPRAKASH	S.S.D	S.S.P	S.S.P	S.S.P	S.S.D	S.S.D	S.S.D	S.S.D
52	SAWANT SANKET DATTATRAYA								
53	SAYTEE NEHAL DHAM								
54	SHALE POOJA NIKHIL								
55	SHIBDI MOHAMMED ANAS								
56	SHIBDI MOHAMMED YAKUB								
57	SHIBDI SURAJ SANABDAS								
58	SINGH LADAKSHMUNAR ARUN	पिठा	पिठा	पिठा	पिठा	पिठा	पिठा	पिठा	पिठा
59	SINGH PRABJEET JASBR								
60	SINGH PRIYA SHUSHNARAYAN								
61	SOLANKI VIGHRESH DILIP								
62	SOLIM HITESH RAMCHANDRA	मिठा	मिठा	मिठा	मिठा	मिठा	मिठा	मिठा	मिठा
63	TANORE HIMANSHU KIRAN								
64	UPADHYAY VENAY UMESH								
65	VICHARE PRANIT SUPAS								
66	VISHWAKARMA BEEUSH RAMESH	चमचा	चमचा	चमचा	चमचा	चमचा	चमचा	चमचा	चमचा
67	WANKHEDE MANISH FUNDLIK								
68	YADAV PANKAJ S								
69	YADU SURANYA D								
70	YASTI SUREET S								
71	SHIVNEKAR VISHNU D								
72	PANCHAL JATIN V								
73	MUNGDEKAR ASHISH								
74	KANDSE ROHAN J								
75	TAISWAL AMITKUMAR								
NO OF STUDENTS PRESENT									

NO OF STUDENTS PRESENT			TOPICS COVERED
Sr no	Date	Time	
1	6/9		Personal protective equipment
2	6/9		clearance notice requirements.
3	13/9		Hazardous zones 0, 1, 2
4	13/9		spark flashover.
5	13/9		Corona
6	20/9		Electrical plants specification safety
7	20/9		Hazardous gases and vapors.
8	20/9		Equipment classification

Brahale.

Brahale,
SUBJECT INCHARGE



VIVA Institute of Technology, Virar

T.E. ELECTRICAL (2019-2020)

SUBJECT:

SUBJECT INCHARGE:

Sl. No.	Name	14/7/19	14/7/19	14/7/19	14/7/19	14/7/19	14/7/19	14/7/19	14/7/19	P	C	T
	Time											
1	AGRE SHUBHAM SHANKAR											
2	AMRE SARVESH VINOD	SAV	SAV	SAV	SAV	SAV	SAV	SAV	SAV			
3	BAGWE NINAD PRASAD											
4	BALLUJANI PAWAN ADINATH											
5	BHOIR NAITIK GANESH	BOIR	BOIR	BOIR	BOIR	BOIR	BOIR	BOIR	BOIR			
6	BHURAWALLA DEVANTEE SURESH											
7	BOROLE METALI YADAV											
8	BURKALE DHIRAJ RAMU											
9	CHAKRABARTI SHIVAM RANJEET	CHAK	CHAK	CHAK	CHAK	CHAK	CHAK	CHAK	CHAK			
10	CHAVAN DEEPA RAJU											
11	CHAVAN MAYUR VIDAY											
12	CHAVAN RUTUM AJAY											
13	DANDEKAR CHINMAY											
14	DARADE POOJA PRAKASH											
15	DAVANE SHANT RAJESH	Darve	Darve	Darve	Darve	Darve	Darve	Darve	Darve			
16	DEHERIKAR YASH NARESH											
17	DELANGADA AVINASH GOVIND											
18	DESHTE VIPUL SANDEEP											
19	GADKAR JAGRUTI SURESH											
20	GAONKAR ONKAR VEJAY											
21	GAVLI ANHIL SURESH											
22	GELBLE LAXMI VIDAY											
23	GUPTA PRIYA ATUL	GUPTA	GUPTA	GUPTA	GUPTA	GUPTA	GUPTA	GUPTA	GUPTA			
24	GUPTA RAJENDRA BASHISHT											
25	GUPTA REEMA SHEVKUMAR											
26	HADAL DIPALI GANPAT											
27	KADAM ABHIMANYU MANGESH											
28	KAMERKAR VRUSHABH MAHESH											
29	KARADE SANJEEV SUNEEL											
30	KHARDE PRASHANT P											
31	KHARKE VABHAY PRAMOD	KVP	KVP	KVP	KVP	KVP	KVP	KVP	KVP			
32	KOLEKAR KUSHAL VILAS											
33	KOTIYAN DHIRAJ JAGDISH											
34	KACHHI RAVAN PRAVEEN	P.P.M.	P.P.M.	P.P.M.	P.P.M.	P.P.M.	P.P.M.	P.P.M.	P.P.M.			
35	KARDOLKAR SACHIN ONKAR											
36	KISHOR SANDEEP INDRAMANI											
37	KONDHAR SACHIN SHIVAM											
38	KACHAREKAR ASHISHKUMAR A											
39	PATEL ANIRUDDHA VISHWANATH											
40	PATEL ASHUTOSH SANDEEP											
41	PATEL PRAMOD RAMESH											
42	PATEL PRATHAMESH KANT											
43	PATEL SHUBHAM JAGANNATH											



44	PEDNEKAR ONKAR ANANDA	Usha	Usha	Usha	Usha	Usha	Usha	Usha
45	RAVE NETRA PRAKASH							
46	RATHO PRASHEEL RAJESH							
47	SAKPAL DEEPA RAMCHANDRA							
48	SALUNKHE RIYA BHARAT							
49	SAMANT AADITYA GIRISH							
50	SASE PARAG RAJESH							
51	SAWANT BHAVANA JAYPRAKASH							
52	SAWANT SANKET DATTATRAYA							
53	SAYYED NEHAL IHAM							
54	SHAIKPOVA HUSEIN	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
55	SHAIKH MOHAMMED ANAS							
56	SHAIKH MOHAMMED YAKUB							
57	SHINDE SURAJ JANARDAN							
58	SINGH ADARSHKUMAR ARUN	Rishi	Rishi	Rishi	Rishi	Rishi	Rishi	Rishi
59	SINGH PRABJEET JASBIR							
60	SINGH PRIYA SHUBHVARAYAN							
61	SOLANKI VIGHNESH DILIP	HR	HR	HR	HR	HR	HR	HR
62	SOLIM HITESH RAMCHANDRA							
63	TAMORE HIMANSHU KIRAN							
64	TEADITYAY VINAY UMESH	VPS	VPS	VPS	VPS	VPS	VPS	VPS
65	VICHARE PRANIT SUHAS							
66	VISHWAKARMA HITESH RAMESH							
67	WANKHEDER MANISH PUNDLIK							
68	YADAV PANKAJ S							
69	NAIK SUCANYA B							
70	RAUT SURESH S	Raut	Raut	Raut	Raut	Raut	Raut	Raut
71	SHIVNEKAR VISHNU D							
72	PANCHAL JATIN V							
73	MUNGKAR ASHISH	RR	RR	RR	RR	RR	RR	RR
74	RAMSE KOTIAN J							
75	RAISWAL AMITKUMAR							
NO OF STUDENTS PRESENT								

Sr No	Date	Time	TOPICS COVERED
1	29/9		Fire fundamentals
2	29/9		Fire initiation and types.
3	29/9		Extinguishing
4	4/10		Prevention of fire
5	4/10		Type of extinguishers.
6	4/10		SAFETY facts sheets
7	11/10		Report
8	11/10		Submission

Donahue
SUBJECT INCHARGE



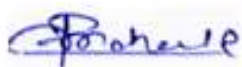
VIVA INSTITUTE OF TECHNOLOGY

(Affiliated to University of Mumbai; Approved by AICTE & DTE)
Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Hadal Dipali Ganpat
of TE Electrical
has successfully completed value added course on
“ELECTRICAL SAFETY PRACTICES”
organized by
Department of Electrical Engineering
for A.Y. 2019-20 from 5th Jul 2018 to 4th Oct 2018.



Prof. Pratik Mahale
Course Coordinator



Prof. Bhushan Save
Head of Department



VALUE ADDED COURSE (Online)

Name of Course:	ELECTRICAL INSTALLATION	Branch:	Electrical Engineering
Duration:	30 Hours	Instructors:	Sushant Bansal
Date of Commencement:	8 Feb 2020	Date of conclusion:	24 April 2020

Course Outcomes	
Upon successful completion of the course, the student must be able to	
CO1	To understand practices followed in industries for safety of equipment and personnel.
CO2	To understand basic electrical and electronics concepts, devices and their electrical ratings.
CO3	To understand power transfer systems and their installation practices in industry
CO4	To understand documentation required for installation.

Course Objectives
The objective of this vocational course is to make students understand various installation practices followed in industries for electrical equipment. This course is designed to make students job-ready for the industry by instilling multiple skills in them like electrical drawing and reading, IEEE and IS standards followed in industries, documentation for industries, etc.

Syllabus		
Unit No.	Contents	Hours
1	Health and safety industry practices The regulations, laws and guidance documents associated with the electrical industry, Use equipment on a construction site, Follow safety procedures, practices and policies on construction sites, Carry out electrical safety procedures and practices, Understand environmental protection, structure and roles of individuals and organizations	6



2	Electrical science Understand direct current principles, Understand electromagnetic properties associated with devices under installation, Understand electronic components required for installation with data sheets and drawings.	6
3	Electrical installation Tools commonly used in electrical installation practices, Erect cable containment/management systems used in electrical installation, Install wiring systems and supports used in electrical installation activities, Install accessories and terminate using a range of connections.	6
4	Power transfer technology Understand how electricity is supplied and the characteristics of consumer's equipment, Understand isolation and protection, Understand automatic disconnection of supply, Understand the principles of final circuits	6
5	Technical documentation with clients Understand technical information with help of IEEE standards, manufacturer guidelines, Drawings used to plan electrical activities, Types of financial information, Types of handover information	6

Learning Resources	
Text Books:	
	1. Trevor Linsley, "Basic electrical installation work", 1989 2. J. B. Gupta, "A Course in Electrical Installation Estimating and Costing", 2013.
Reference Books:	
	1. Tarlok Singh, "Installation Commissioning & Maintenance Of Electrical Equipments", 2013 2. Brian Scaddan, "Electrical Installation Work", 2015



VIVA Institute of Technology, Virar

SUBJECT: Electrical

B.E. ELECTRICAL (2019-2020)

SUBJECT INCHARGE: Sushant

R. No.	Name	22/19	23/19	24/19	25/19	26/19	27/19	28/19	29/19	P	C	T
1	AMDE MITESH ADITYA											
2	BAGUL DHIRAJ RAMESH	Don	Don	Don	Don	Don	Don	Don	Don	8		
3	BHATKAR VINIT VINOD											
4	BORDE AKASH RAVINDRA											
5	CHAUDHARI SHANT											
6	CHAUDHARI PRASAD PRADIP											
7	DASHWALKAR MAYUR KRISHNA	DM	Don	DM	DM	DM	DM	DM	DM	8		
8	DHANGAR ROHINI KALINDRA											
9	DHANU SHARMA NARAYAN											
10	DHURU AMRUTA SUNIL											
11	DODGUL GAYATRI SUNIL	L4	L4	L4	L4	L4	L4	L4	L4	8		
12	DURKAD ARASH											
13	DURKAD SANTOSH GORAKH											
14	DURKAD AMBET ESHWARYA	LA	LA	LA	LA	LA	LA	LA	LA	8		
15	GEL VISHAY											
16	GITE PUSANKA RAVI											
17	GUPTA GOR MOHAN											
18	GUPTA NARAYAN											
19	HADHAY CHIRAG KRISHNANATH	TC	TC	TC	TC	TC	TC	TC	TC	8		
20	HADHAY VIKASABHAI KISHOR											
21	HADHAY TANDAY RAJESHWARI											
22	KAMBLE SONAL DADAN											
23	KHAN SHIREEN FATMA ALI AHMED											
24	KHARDEKAR IY											
25	KUDAL RAJESH RAMESH	Don	Don	Don	Don	Don	Don	Don	Don	8		
26	MANDAYKAR ABHISHEK YASHWANT											
27	MAR ASHUT RAJENDRAN											
28	MARVE BILHAN RAMCHANDRA											
29	MARVE ABBEY ARUN	Don	Don	Don	Don	Don	Don	Don	Don	8		
30	MARVE NEEL											
31	MARVE SHREYAS RUMANT											
32	MARVE NISHA DIPAN											
33	MARVE CHIRAG RAJESH											
34	MARVE PRANAV VIKAS											
35	MARVE RAVI RAJENDRA	Don	Don	Don	Don	Don	Don	Don	Don	8		
36	MARVE ADARSH JAYANT											
37	MARVE PRANAV RAJENDRA											
38	MARVE SUDHANU											
39	MARVE ANAN LADHAN	Don	Don	Don	Don	Don	Don	Don	Don	8		
40	MARVE CHIRAG RAJESH											
41	MARVE RAVI RAJENDRA											
42	MARVE ADARSH JAYANT											
43	MARVE SUDHANU											
44	MARVE ANAN LADHAN											



45	DAKHAVE SALONEE SANDESH																			
46	DEVALIA NIRAV RAJESHKUMAR																			
47	DHAROD KUNAL																			
48	GOHE, RONAK NITINBHAI	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
49	GOLINDAR SHASHIDHARAN																			
50	GUPTA, PAKESH MUSAFIR																			
51	JATHAV SAI ANIL																			
52	JESUR JAY JITENDRA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
53	KORE DEWANG MAHENDRA																			
54	LUNAGARDA NIKHIL CHIMANBHAI																			
55	NATE NEERAJ ARVIND																			
56	NILAM ASHISH RANGANATHI	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
57	PATEL VISHALKUMAR DINESHBHAI																			
58	PATIL MAYUR ANEUSH																			
59	PATIL PANKAJ BHAGWAN																			
60	PATEL SWAPNIL ABIL	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
61	PRAJAPATI ANAND SHRIRAM																			
62	RANE PRATHMESH C.																			
63	RAUT ISHAN ANIL																			
64	SAINIDANE RASHTRAPAL B.																			
65	SHAH KRUTI RAJEEV																			
66	SHAH VINIT BHARATKUMAR	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
67	SINGH HIMANSHU PRASHANT																			
68	SINGH PRINCE PINTU																			
69	SOLITRA DHAVAL DINESH																			
70	SOLANKI DIPESH VASANT																			
71	TAMORE SUMIT SANDEEP																			
72	TODANKAR AMIKET CHIP																			
73	YADHAVANA DIVYESH HARESH	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
74	YADAV SHAILENDRA BAJRANGI																			
75																				
NO OF STUDENTS PRESENT		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

Sr no	Date	Time	TOPICS COVERED
1			
2			
3			
4			
5			
6			
7			
8			


SUBJECT INCHARGE



VIVA INSTITUTE OF TECHNOLOGY

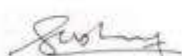
(Affiliated to University of Mumbai; Approved by AICTE & DTE)

Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Kubal Rajesh Ramesh
of BE Electrical
has successfully completed value added course on
“ELECTRICAL INSTALLATION”
organized by
Department of Electrical Engineering
for A.Y. 2019-20 from 08 FEB 2020 to 24 April 2020.



Course Coordinator



Head of Department





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VIVA INSTITUTE OF TECHNOLOGY
Shirgaon, Virar (E), Tal: Vasai, Dist: Palghar – 401 305.
CIVIL ENGG. DEPARTMENT



Course Name: Microsoft Project Manager

Academic Year: 19 - 20

Resource person: Mrs. Lissy Jose

Conducted as per time table for the respective subject

Hours: 30

Objectives:

1. Plan for a project in detail
2. To use templates which creates projects in project 2017
3. To create, manage, schedule and track all the imputed resources
4. To create, manage, assign and track tasks of all inputted resources
5. To work with deadline and constraints
6. To use dependencies to help schedule tasks
7. To run reports

Course Outcomes

At the end of the course, learners will be able to understand :

1. The functions involved in software related to civil engineering projects.
2. How to prioritize tasks, define expectations and prepare schedule.
3. Will know tracking and managing resources throughout the project.
4. To create and tracking budgets and sharing calendars with the team.
5. Learn about risk management involved in project management.





CIVIL ENGG. DEPARTMENT

Chapter 1: An Introduction to Project Management..... 03hours

Recognize when to use project management, role as a project manager is to deliver a project, communications, influence, and careful use of authority all play a major factor in the support you receive to complete the project, Project managers frequently find themselves with the challenge of adding new scope to a project with an already tight timeline. Typically, the job of the project manager is to work with their team to determine what this new scope will mean and how it will affect the project, building and tracking project schedules.

Chapter 2: The Microsoft Project User Interface..... 05 hours

To recognize best practices when running ms project for the first time, microsoft project user interface, the ribbon area icons, tabs, and access to the backstage, microsoft project scheduling engine, preparing a new project, estimating the project, ribbon actions (icons) you may need to perform within microsoft project, backstage is a full-screen area that allows you to open, save, share, and print your project, using views and tables

Chapter 3: The Microsoft Project Scheduling Engine06 hours

constraint based scheduling, calculates dates for you based on constraints you place on tasks and resources, critical path and user-controlled scheduling, user-controlled scheduling can effectively break the ability to identify the critical path because durations, start dates, and finish dates are not required when using this feature, configure project options, microsoft project offers many options for you to configure the user interface, scheduling engine, and task tracking for your project most of these options are located in the backstage using the options menu item.

Chapter 4: Preparing a New Project.....6 hours

Create a new project before you create a new project, make sure you have all the





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project options configured as you want them unless you have a unique reason to do otherwise, it is a good practice to start with a blank project configure a project calendar learn the differences between the Microsoft project calendars and when to use them.

Chapter 5: Estimating the Project.....3 hours

Add tasks to the project, add durations to each task, add predecessors to each task to link tasks together, create the critical path, add resources to the project, create resource assignments, build a work breakdown structure, add costs to the project, add milestones to the project, add lag and review the critical path, adjust resource allocations.

Chapter 6: Tracking the Project.....2 hours

To create a baseline baselines, custom views and fields project reporting task status updates updating task status from your team and update the project progress. resource assignment status updates .

Chapter 7: Custom Views and Fields.....3 hours

To create custom views and tables views, create custom fields microsoft project, create graphical indicators when you create a custom field, further enhance it to use graphical indicators. these indicators allow you to display things like red, yellow, and green flag

Chapter 8: Project Reporting... ..2 hours

working with the timeline, multiple timelines in project 2016, 2019 and online, working with the reporting module, about agile projects, using the task board, using sprints, using project online desktop, tips and tricks conclusion go to goskills.com using boards and the gantt chart, sharing boards





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Shirgaon, Virar (East), Dist: Palghar – 401 303, Maharashtra



Certificate of Participation

This is to certify that Dr. / Mr. / Ms. **JOSHI MITHUN** has attended software course on "**MSP & PRIMAVERA**" organized by Civil Engineering Department from 20th July 2019 to 30th September 2019 at **VIVA Institute of Technology, Shirgaon, Mumbai.**

(Prof. Ramya Raju)
Co-ordinator

(Prof. Lissy Jose)
Head of Civil Engg Department

(Dr. Arun Kumar)
Principal





Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 Shirgaon, Virar (E), Tal: Vasai, Dist: Palghar – 401 305.
CIVIL ENGG. DEPARTMENT



Name of the Course: Emerging techniques in Civil Engineering

AY: 2019-20

Course Duration: 30 hr

STTP Programme Schedule

	Date	Time	Name of Speakers	Topics
Day 1	01/07/2019	9:00 am-12.00pm	Session 1: Prof. Yadnesh Patil	Road Safety and Role of Public Transport
		1.00 -4.00 pm	Session 2: Mr.Paresh Unnarkar	Durability-Performance Based Approach
Day 2	02/07/2019	9.00am-12pm	Session 1: Prof. Prashant Gondane	Design Aspects of Sewerage system
		1.00 pm – 4.00 pm	Session 2: Prof. Prashant Gondane	Seepage Management
Day 3	03/07/2019	9.00am-12pm	Session 1: Prof.Vivek Mandapur	Environmental Management
		1.00 pm – 4.00 pm	Session 2: Monica More	Construction Law
Day 4	04/07/2019	9.00am-12pm	Session 1: Prof. Lissy Jose	Real Time data acquisition
		1.00 pm – 4.00 pm	Session 2: Prof. Mayur Patel	Smart Structure and Materials for the future
Day 5	05/07/2019	9.00am-12pm	Session 1: Prof. Prashant Gondane	Water Quality Management
		1.00 pm-4 pm		





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Day 01:

Session 01: Road Safety and Role of Public Transport

Reduce exposures to crashes

Types of vehicles used for various roads

Session 02: Durability-Performance Based Approach

Mix design calculations and assumptions

Exposure conditions and material parameters

Day 02:

Session 01: Design Aspects of Sewerage system

Pumping stations and water reclamation centres

Session 02: Seepage Management

Stability analysis

Design methods for various zones

Day 03:

Session 01: Environmental Management

Processes and practices to improve environmental impacts

Various monitoring aspects

Session 02: Construction Law

Contract law in details with clauses

Day 04:

Session 01: Real Time data acquisition

Session 02: Smart Structure and Materials for the future

Day 05: Water Quality Management





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Course Objectives:

1. To understand the knowledge of road safety
2. To learn about various methods & design aspects of sewerage system
3. To learn how various contract law
4. To learn how smart material can be used
5. To understand water quality management

Course outcomes:

1. Students will be able to understand how road safety and rules are important
2. Students will be able to understand various design aspects of sewerage system
3. Students will be able to understand where contract law can be applied
4. Students will be able to operate various smart material are used
5. Students will be able to analyze various water quality management





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CO PO MAPPING

CO	Program Outcomes												CO target
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
C01	2												2
C02		2			2								2
C03		2											2
C04		2		1									2
C05		2		2									2
	2	2		1.5	2						1		





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ATTENDANCE SHEET

NAME OF THE FACULTY:		SUBJECT:					SHEET NO:		
ROLL NO.	NAME OF THE STUDENT/ DATE	1/7	2/7	3/7	4/7	5/7	6	7	8
	Time of lecture								
1	AHIRE ANOL ANIL	Anol	Anol	A	Anol	Anol			
2	AHIRE VARNISHA RATAN	A	A	A	A	A			
3	AHIRRAO ABHISHEK	Abhishek	Abhishek	Abhishek	A	Abhishek			
4	ALAV MAYUR MADHUKAR	A	A	Mayur	A	Mayur			
5	AMBEKAR AJAY PRAKASH	A	A	A	A	A			
6	ANJAREKAR SNEHAL	Snehal	Snehal	Snehal	A	Snehal			
7	ARORA MITESH RAJESH	A	Mitesh	A	A	A			
8	AVHAD SAURAV DINESH	A	A	A	A	A			
9	AWAGHANE TEJAS VILAS	A	A	A	A	A			
10	BAGAVE SAHIL SURESH	Sahil	Sahil	Sahil	A	A			
11	BARI VAISHNAVI	A	Valen	A	Valen	A			
12	BHAGWAT SOHAM	A	A	A	A	A			
13	BHOSALE ABHISHEK	ABhosale	ABhosale	A	A	ABhosale			
14	BHOSALE YASHRAJ SURESH	A	A	A	A	A			
15	BIJWE RAHUL SANJAY	Sanjay	Sanjay	A	Sanjay	Sanjay			
16	BORKAR TEJAL SUNIL	Tejal	A	A	A	Tejal			
17	CHAUGHULE SHEETAL	A	A	A	A	A			
18	CHAUGULE ADITI ANANT	A	Aditi	Aditi	A	A			
19	CHAURASIA PRATIK DINESH	Pratik	A	Pratik	Pratik	A			
20	CHAVAN ANIKET RAMESH	A	Aniket	A	Aniket	A			
21	CHAVAN VRUSHALI ARUN	Vru...	Vru...	A	Vru...	Vru...			
22	CHURI RUSHIT RAMESH	A	A	A	A	A			
23	DARPE PRAFUL PANDURANG	A	Pratul	Pratul	A	A			
24	DHAMAPURKAR RAHUL	Rahul	Rahul	A	Rahul	A			
25	DHOBLE AKASH VINAYAK	A	A	A	A	A			
26	GAJARE AJINKYA DAULAT	A	A	A	A	A			
27	GAUTAM RAHUL	A	Rahul	Rahul	A	Rahul			
28	GAWAD ABHISHEK KIRAN	A	A	A	A	A			
29	GHAG DIPTI RAVINDRA	A	Dipti	Dipti	A	A			
30	GITE VAIBHAV VINAYAK	Vaibhav	A	A	Vaibhav	A			
31	GONDHALEKAR SAURABH	A	A	A	A	A			





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CIVIL ENGG. DEPARTMENT



B.E. DIV A CIVIL SEM VIII
 ATTENDANCE SHEET 2019-20

we: 06/01/2020

NAME OF THE FACULTY: _____ SUBJECT: _____

SHEET NO: _____

ROLL NO.	NAME OF THE STUDENT/DATE Time of lecture	11/7	21/7	31/7	41/7	51/7	6	7	8	Pg Total	CF	Gr Total
34	GOWDA DIWAKAR RAM	Gowda	Gowda	A	Gowda	A						
35	GUPTA SHWETA SHATRUGHAN	A	Shweta	Shweta	Shweta	Shweta						
36	HADRAL SAGAR RAJKUMAR	Sagar	Sagar	A	Sagar	A						
37	JADHAV ABHIJEET NARESH	A	A	A	A	A						
38	JADHAV ASHWIN RAGHUNATH	A	Ashwin	A	Ashwin	A						
39	JADHAV MAYUR SURESH	A	A	A	A	A						
40	JADHAV NIKHIL SURESH	Nikhil	A	Nikhil	Nikhil	Nikhil						
41	JADHAV TRUPTI VILAS	Trupti	Trupti	A	Trupti	A						
42	JONDHALEKAR SIDDHANT	A	A	A	A	SIDDHANT						
43	JOSHI MITHUN MANOHAR	A	Mithun	A	A	Mithun						
44	JOSHI SAMIR SUBHASH	Samir	Samir	Samir	A	A						
45	KADAM SHRADDHA SANJAY	A	Shraddha	Shraddha	A	A						
46	KAMBLE NIKHIL GANPAT	Nikhil	Nikhil	A	A	Nikhil						
47	KAMBLE PRITAM	Pritam	Pritam	Pritam	A	Pritam						
48	KAMBLE RENUKA ASHOK	A	Renuka	A	A	A						
49	KAMBLE VAIBHAV	A	A	Vaibhav	A	Vaibhav						
50	KANGANE AKSHAY ASHOK	Akshay	A	Akshay	A	Akshay						
51	KELKAR VIRAJ	Viraj	Viraj	A	Viraj	A						
52	KHAN MUSTAFA NISAR	A	Mustafa	A	Mustafa	A						
53	KHAN SOHAIL	Sohail	Sohail	A	Sohail	A						
54	KINI SHIVALI DINESHWAR	A	Shivali	A	A	Shivali						
55	KIRPANE JANHAVI GANESH	Janavi	Janavi	A	Janavi	A						
56	KORE RAJAT RAJESH	Rajat	Rajat	A	Rajat	A						
57	KOTHARI ANJALI	A	Anjali	A	Anjali	A						
58	KUVALEKAR RAHUL VIJAY	Rahul	A	Rahul	A	Rahul						
59	MACHEWAD SHWETA	Shweta	A	Shweta	A	A						
60	MANE YOGESH BALU	Yogesh	A	Yogesh	A	A						
61	MANGAL RISHABH DEEPAK	A	Rishabh	Rishabh	A	A						
62	MESTRY OMKAR VILAS	Omkar	Omkar	A	Omkar	A						
63	MHASKE RAHUL RAMDAS	Rahul	Rahul	Rahul	A	A						
64	MISHRA SHUBHANGI RAKESH	Shubhangi	Shubhangi	Shubhangi	A	A						
65	MOHITE RAKESH ANIL	Rakesh	A	Rakesh	A	A						
66	MONDKAR KALPESH	A	Kalpesh	Kalpesh	A	A						

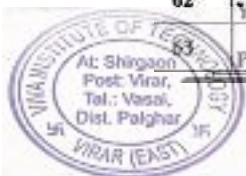




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CIVIL ENGG. DEPARTMENT



NAME OF THE FACULTY:		SUBJECT:							
ROLL NO.	NAME OF THE STUDENT/ DATE	1/7	2/7	3/7	4/7	5/7	6	7	8
	Time of lecture								
31	SAUT AISHWARYA DEEPAK	A	A	A	A	A			
32	SAPLE SWAPNIL RAJKUMAR	A	A	A	A	A			
33	KANPAT SHRADDHA	A	A	A	A	A			
34	SANAT RAHUL JAGANNATH	A	A	A	A	A			
35	SANGHVI YASH BHARAT	A	A	A	A	A			
36	SANKHE CHIRAG ANIL	A	A	A	A	A			
37	SANKHE CHIRAG DINESH	A	A	A	A	A			
38	SARATE NAYAN RAJENDRA	A	A	A	A	A			
39	SARAVIA PARTH MUKUL	A	A	A	A	A			
40	SATELKAR SAI DILIP	A	A	A	A	A			
41	SAWANT SHUBHAM VISHWANATH	A	A	A	A	A			
42	SAWANT SIDDHESH TULSHIDAS	A	A	A	A	A			
43	SHARMA ARUN	A	A	A	A	A			
44	SHARMA TARUN VIPIN PRAKASH	A	A	A	A	A			
45	SHIGVAN NIMISHA	A	A	A	A	A			
46	SHINDE RAHUL RAMESH	A	A	A	A	A			
47	SHINDE RAJAN SUNDAR	A	A	A	A	A			
48	SHINDE ROHAN SUNIL	A	A	A	A	A			
49	SHINTRE ANKITA ANAND	A	A	A	A	A			
50	SINGH YOGESH DHANANJAY	A	A	A	A	A			
51	SUTAR SWAPNALI SAMBHAJI	A	A	A	A	A			
52	TANDEL JYOTI PRAKASH	A	A	A	A	A			
53	TIVAREKAR DARSHAN DATTARAM	A	A	A	A	A			
54	USARE VISHAL GANESH	A	A	A	A	A			
55	VISHWAKARMA VIKAS SANTOSH	A	A	A	A	A			
56	VORA DHARA RAMESH	A	A	A	A	A			
57	WADEKAR VAIBHAV GANPAT	A	A	A	A	A			
58	YADAV KAJAL ARVIND	A	A	A	A	A			
59	YADAV SIDDHESH SHIVAJI	A	A	A	A	A			
60	TANK KETAN	A	A	A	A	A			
61	TELURE VILAS	A	A	A	A	A			
62	YADAV ARJUN KUMAR	A	A	A	A	A			
	PANDEY ABHISHEK	A	A	A	A	A			





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VIVA INSTITUTE OF TECHNOLOGY

Approved by AICTE New Delhi, Affiliated to University of Mumbai

Shirgaon, Virar (East), Dist: Palghar – 401 303, Maharashtra



Certificate of Participation

This is to certify that Dr. / Mr. / Ms. **Singh Yogesh** has attended one week course on “*Emerging techniques in Civil Engineering*” organized by Civil Engineering Department from 1st July 2019 to 5th July 2019 at **VIVA Institute of Technology, Shirgaon, Mumbai.**

(Prof. Ramya Raju)
Co-ordinator

(Prof. Lissy Jose)
Head of Civil Engg Department

(Dr. Arun Kumar)
Principal



DEPARTMENT OF FIRST YEAR ENGINEERING
ACADEMIC YEAR-2019-20

VALUE ADDED COURSE

NAME	SOFT SKILLS
DURATION	(1 WEEK) 30 HRS
DATE & TIME	31st Dec 2019 to 4th Jan 2020/9.30am -12.30p.m and 1.30p.m -4.30pm
RESOURCE PERSON	Mr. Prashant Pawar & Mrs. Trupti Patil


COURSE OBJECTIVE:

To help the future engineers to understand and implement soft skills in the work environment.

Aim: The course can help future engineers to improve their communication, problem-solving and presentation skills with an aim to land a better job.

SESSIONS ON SOFT SKILLS FOR FIRST YEAR ENGINEERING STUDENTS

- Session 1. Soft Skills and You
- Session 2. Interpersonal Communications
- Session 3. Leadership Management
- Session 4. Preparing for Employment
- Session 5. Group Discussion
- Session 6. Resume Building
- Session 7. Mock Interview
- Session 8. Presentation Skills
- Session 9. Communication at Workplace
- Session 10. Workplace Etiquette



CO-ORDINATOR
PROF. Jayesh Jain



H.O.D
DR. Ajazul Haque

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Academic Year: 2019-2020

First Year Engineering

Attendance for certificate courses

	Date	31/12/2019	1/1/2020	2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020	7/1/2020	8/1/2020	9/1/2020	10/1/2020
	Topic Time	9:30 - 12:30	1:30 - 4:30	9:30 - 12:30	1:30 - 4:30	9:30 - 12:30	1:30 - 4:30	9:30 - 12:30	1:30 - 4:30	9:30 - 12:30	1:30 - 4:30	9:30 - 12:30
SR.NO.	Name Of Participant	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8	Session 9	Session 10	Session 11
1	BAG KAMLAKANT VISHWAMITRA	Kykr	Kykr	Kykr	Kykr	Kykr	Kykr	Kykr	Kykr	Kykr	Kykr	Kykr
2	BIYABANI MOHAMMED FARAAZ MOHAMMED	Faraaz	Faraaz	Faraaz	Faraaz	Faraaz	Faraaz	Faraaz	Faraaz	Faraaz	Faraaz	Faraaz
3	CHAVAN BHUSHAN SANTOSH	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan	Bhushan
4	DAS PAYAL HEMANTA	Payal	Payal	Payal	Payal	Payal	Payal	Payal	Payal	Payal	Payal	Payal
5	DATT KARISHMA RAMCHANDRA	Karishma	Karishma	Karishma	Karishma	Karishma	Karishma	Karishma	Karishma	Karishma	Karishma	Karishma
6	GASTI MANASHRI GAJANAN	Manashri	Manashri	Manashri	Manashri	Manashri	Manashri	Manashri	Manashri	Manashri	Manashri	Manashri
7	HARAYAN GOVIND MADHUSUDAN	Govind	Govind	Govind	Govind	Govind	Govind	Govind	Govind	Govind	Govind	Govind
8	JADEJA HARSH KISHOR	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh
9	KAMBLE MANSI RAJAN	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi	Mansi
10	KAPRI NILESH BIHARILAL	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh
11	RAUT AKSHITA	Akshita	Akshita	Akshita	Akshita	Akshita	Akshita	Akshita	Akshita	Akshita	Akshita	Akshita
12	SAHU AVINASH SHEKHAR	Avinash	Avinash	Avinash	Avinash	Avinash	Avinash	Avinash	Avinash	Avinash	Avinash	Avinash
13	SHINDE SAKSHI SUNIL	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
14	SHIRSATH KOMAL VINOD	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal
15	SHUKLA SHIVANI SANJIV	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani
16	SINGH ROOPESH SHAILENDRA	Roopesh	Roopesh	Roopesh	Roopesh	Roopesh	Roopesh	Roopesh	Roopesh	Roopesh	Roopesh	Roopesh
17	SONI VIKAS OMKAR	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas
18	TELANGADE PRANAV SUNIL	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav
19	VISHWAKRMA HRITIK RAJNARAYAN	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik	Hritik
20	WAGLE ADNAN MIRZA	Adnan	Adnan	Adnan	Adnan	Adnan	Adnan	Adnan	Adnan	Adnan	Adnan	Adnan
21	YADAV ANKITA NEHRU	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita	Ankita
22	YADAV SHUBHAM ABHAYJEET	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
23	KINI MANGESH VISHWANATH	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh	Mangesh
24	KOLI MANDAR HANUMANTA	Mandar	Mandar	Mandar	Mandar	Mandar	Mandar	Mandar	Mandar	Mandar	Mandar	Mandar
25	MAURYA LAV LALLAN	Lav	Lav	Lav	Lav	Lav	Lav	Lav	Lav	Lav	Lav	Lav
26	SOLANKI JALPESH KUMAR JITENDRA KUMAR	Jalpesh	Jalpesh	Jalpesh	Jalpesh	Jalpesh	Jalpesh	Jalpesh	Jalpesh	Jalpesh	Jalpesh	Jalpesh
27	TAFSIR RAMZAN ANSARI	Tafsir	Tafsir	Tafsir	Tafsir	Tafsir	Tafsir	Tafsir	Tafsir	Tafsir	Tafsir	Tafsir
28	TANDEL ASHISH SUHAS	Ashish	Ashish	Ashish	Ashish	Ashish	Ashish	Ashish	Ashish	Ashish	Ashish	Ashish
29	HOLMUKHE AKASH ASHOK	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash
30	KATKAR YASHODEEP SHRIRANT	Yashodeep	Yashodeep	Yashodeep	Yashodeep	Yashodeep	Yashodeep	Yashodeep	Yashodeep	Yashodeep	Yashodeep	Yashodeep
	Name & Sign of Speaker	G. Agrawal	G. Agrawal	G. Agrawal	G. Agrawal	G. Agrawal	G. Agrawal	G. Agrawal	G. Agrawal	G. Agrawal	G. Agrawal	G. Agrawal

Dr. Ganesh Agrawal





Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved By AICTE, New Delhi, DTE, Govt. of Maharashtra
Affiliated to the University of Mumbai
Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

CERTIFICATE OF PARTICIPATION

This is to certify that **Mr. KAMLAKANT VISHWAMITRA BAG**
attended one-week Program on “Soft Skills” organized by First Year Engineering
Department Of VIVA Institute of Technology from 31st 2019 Jan to 4th Jan 2020.

Co-ordinator
Prof. Jayesh Jain

H.O.D
Dr. Ajazul Haque





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Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

A.Y. 2018-2019





Academic Year 2018 – 19

Course name: - Programming with JAVA

Duration: - 25th Jun 2018 to 29th Jun 2018

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Janhavi Thakur

Enrolled students: - 17

Course Objective:-

1. To understand the basic concepts and fundamentals of platform independent object oriented language.
2. To demonstrate skills in writing programs using exception handling techniques and multithreading.
3. To understand streams and efficient user interface design techniques.
4. To write programs for solving real world problems using java collection framework.
5. To impart hands-on experience with java programming.

Course Outcomes:-

After successful completion of the course, the students are able to

1. Use the syntax and semantics of java programming language and basic concepts of OOP.
2. Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
3. Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.
4. Able to write programs for solving real world problems using java collection frame work.

Course Schedule:-

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction to Java, Java buzzword, scope, and lifetime	Classes and Objects, Inheritance Exercise
2	Interference, Packages	Exception Handling Exercise
3	Strings, and Library	Multithreading Exercise
4	Applets	Event Handling Exercise
5	Layout Manager	Quiz



Report:-

Computer engg. department of VIVA Institute of Technology conducted a course on "Programming with JAVA" for second and third year students. Total 17 students had been enrolled for this course.

This course was conducted by Prof. Janhavi Thakur in order to provide basic knowledge of JAVA programming. This was 30 hrs certificate course.

During the course students learned basic programming of JAVA. Also students learned all concepts of JAVA like interference, packages, and applets and so on. Students practiced of all things concepts in the exercise session. All doubts and errors during programming were solved by the coordinator. Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	-	2	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	1	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-
	3	2	3	3	-	-	-	-	-	-	-	-

CO PO Justification: -

COs	POs	Justification
CO1	PO1	Strongly mapped as the students will be able to analyse the problem to be implemented using basics of Python.
CO2	PO2	Moderately mapped as the students will be able to identify the technique required to implement the problem.
CO3	PO3	Strongly mapped as the students will be able to find a solution for the problem identified.
	PO4	Slightly mapped as the students will be able to depict the project outcome and future scope.
CO4	PO3	Strongly mapped as the students will be able to develop design methodologies for the system to be developed.

Ashwini Save
 HOD, Computer Engg.



Academic Year 2018 - 19

Course Name:- Programming with JAVA

Course Duration:- 25th Jun to 29th Jun 2018

Sr. No.	Name of Student	Attendance Sheet									
		25/06/2018		26/06/2018		27/06/2018		28/06/2018		29/06/2018	
		Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)
1	GAIKWAD RITIK SANTOSH	Ritk	Ritk	Ritk	Ritk	Ritk	Ritk	Ritk	Ritk	Ritk	Ritk
2	GURAV ANIKET SHANKAR	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav	Gurav
3	GOWAN YOGESH ARJUN	Y.Gowan	Y.Gowan	A	A	Y.Gowan	Y.Gowan	Y.Gowan	Y.Gowan	Y.Gowan	Y.Gowan
4	JHA VISHNU JITENDRA	VJha	VJha	VJha	VJha	VJha	VJha	VJha	VJha	VJha	VJha
5	KADAM JATIN SANJAY	JK	JK	JK	JK	JK	JK	JK	JK	JK	JK
6	NHASKAR SUNETRA RAGHUNATH	S.m.	S.m.	S.m.	S.m.	S.m.	S.m.	S.m.	A	S.m.	S.m.
7	KHAN ATIFASAD SHAKIRALI	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
8	YADAV DILIP MAHENDRA	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip	Dilip
9	WAGHARIA TUSHAR MANGSIKH	T.V	T.V	T.V	T.V	T.V	T.V	T.V	T.V	T.V	T.V
10	RAVANKAR SEJAL PRATEEP	Sejal	Sejal	Sejal	Sejal	A	A	Sejal	Sejal	Sejal	Sejal
11	GUPTA MONITKUMAR JAYPRAKASH	M Gupta	M Gupta	M Gupta	M Gupta	M Gupta	M Gupta	M Gupta	M Gupta	M Gupta	M Gupta
12	GUPTA PRAKASH VIJAYSHANKAR	B	B	B	B	B	B	B	B	B	B
13	HAZRA SOHAN SUNIL	H.S	H.S	H.S	H.S	H.S	H.S	H.S	A	H.S	H.S
14	JADHAV PRADNESH SANJAY	Prad	Prad	Prad	Prad	Prad	Prad	Prad	Prad	Prad	Prad
15	LAD KRUNAL KISHOR	KRUNAL	KRUNAL	KRUNAL	KRUNAL	KRUNAL	KRUNAL	KRUNAL	KRUNAL	KRUNAL	KRUNAL
16	LADUMOR SHIRAM KETAN	Shiram	Shiram	A	A	Shiram	Shiram	Shiram	Shiram	Shiram	Shiram
17	DATIL PARESH YASRWANT	P.Patil	P.Patil	P.Patil	P.Patil	P.Patil	P.Patil	P.Patil	P.Patil	P.Patil	P.Patil



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CERTIFICATE OF PARTICIPATION

This is to certify that ANIKET SHANKAR GURAV
 attended a one-week Program on "Programming with JAVA" organized
 by the Computer Engineering Department Of VIVA Institute of
 Technology from 25th June to 29th June 2018.

Prof. Ashwini Save
H.O.D

Dr. Arun Kumar
Principal





Academic Year 2018 - 19

Course name: - Learning with Python
Duration: - Throughout the semester
Venue: - VIVA Institute of Technology
Co-ordinator: - Prof. Vinit Raut
Enrolled students: - 20

Course Objective:-

1. To create fully functional Python programs
2. To understand user input
3. To learn about loop structures and conditionals
4. To work with Python file handling

Course Outcomes:-

After successful completion of the course, the students are able to

1. Describe the basics of the Python programming language
2. Install Python and write first program
3. Use variables to store, retrieve and calculate information
4. Utilize core programming tools such as functions and loops
5. Explain the basic principles of Python programming language

Course Schedule:-

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction	Install Python and basic python program
2	Basic syntax , variables and strings	Lists, Tuples and Dictionaries. Exercise
3	If-else statements, For loop	While loop, Pass, break and continue Exercise
4	Understanding Functions	File handling – opening and reading
5	Classes and Objects	Exercise Quiz





Report:-

Computer engg. Department of VIVA Institute of Technology conducted a course on "Learning with Python" for second and third year students. Total 20 students had been enrolled for this course.

This course was conducted by Prof. Vinit Raut in order to provide basic knowledge of Python programming. This was 30 hrs. Certificate course.

During the course students learned how to install Python. They learned all the basic of python like variables, lists, strings. Also students study conditional statements and loops. This course also cover functions and file handling.

Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	-
CO4	-	-	3	2	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	1	1
	3	3	3	2	-	-	-	-	-	-	1	1

CO PO Justification: -

COs	POs	Justification
CO1	PO1	Strongly mapped as the students will be able to analyse the problem to be implemented using basics of Python.
CO2	PO1	Strongly mapped as the students will be able to identify the technique required to implement the problem.
CO3	PO3	Slightly mapped as the students will be able to find a solution for the problem identified.
CO4	PO3	Strongly mapped as the students will be able to find the relevant tools to implement the problem stated.
	PO4	Moderately mapped as the students will be able to find a feasible solution for the problem designed.
CO5	PO2	Strongly mapped as the students will be able to develop design methodologies for the system to be developed.



Ashwini Save
 HOD, Computer Engg.



Course Name:- Learning With Python

Course Duration:- 2nd Jan to 5th Jan, 11th and 18th Jan 2019

Attendance Sheet

Sr. No.	Name of Student	02/01/2019		03/01/2019		04/01/2019		05/01/2019		11/01/2019	18/01/2019
		Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Afternoon Session (1.30 to 4.30)	Afternoon Session (1.30 to 4.30)
1	Disha Sakre	Disha	Disha	Disha	Disha	Disha	Disha	Disha	Disha	Disha	Disha
2	Dheeraj Purohit	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
3	Rutika Ganesh Naik	Rutika	Rutika	Rutika	Rutika	Rutika	Rutika	Rutika	Rutika	Rutika	Rutika
4	Sneha Gorakhnath Pawar	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
5	Shubham Subhash Warang	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
6	Jaatin Sanjay Kadam	A	A	Jaatin	Jaatin	Jaatin	Jaatin	Jaatin	Jaatin	Jaatin	Jaatin
7	Geetanjali Dilip Jadhav	GJ	GJ	GJ	GJ	GJ	GJ	GJ	GJ	GJ	GJ
8	Daksh Pares Ashar	Daksh	Daksh	Daksh	Daksh	Daksh	Daksh	Daksh	Daksh	Daksh	Daksh
9	Vandan Raval	Vande	Vande	Vande	Vande	Vande	Vande	Vande	Vande	Vande	Vande
10	Faiz Hanun Shaikh	Faiz	Faiz	Faiz	Faiz	Faiz	A	Faiz	Faiz	Faiz	Faiz
11	Sanket Memane	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
12	Sunetra Raghunath Mhasakar	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
13	Patil Shraddha Dilip	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
14	Raut Meet Jitendra	Meet	Meet	Meet	Meet	Meet	Meet	Meet	Meet	Meet	Meet
15	Gupta Shyam	SG	SG	SG	SG	A	A	SG	SG	SG	SG
16	Kansara Manthan Sanjay	KM	KM	KM	KM	KM	KM	KM	KM	KM	KM
17	Patil Devesh Anil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
18	Patil Paresh Yashwant	Paresh	Paresh	Paresh	Paresh	Paresh	Paresh	Paresh	Paresh	Paresh	Paresh
19	Tare Aditi Deepak	A.T	A.T	A.T	A.T	A.T	A.T	A.T	A.T	A	A
20	Suryawanshi Gaurav Vijay	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav



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Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

CERTIFICATE OF PARTICIPATION

This is to certify that ADITI DEEPAK TARE
attended a one-week Program on "Learning with Python" organized by
the Computer Engineering Department Of VIVA Institute of Technology
from 2nd Jan to 5th Jan, 11th and 18th Jan 2019.


Prof. Ashwini Save
H.O.D


Dr. Arun Kumar
Principal





Academic Year 2018 - 19

Course name: - NETWORK SECURITY AND CRYPTOGRAPHY

Duration: - Throughout the semester

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Vinit Raut

Enrolled students: - 57

Course Objective:-

1. To understand the foundations of cryptographic attacks.
2. To gain knowledge of encrypting data, and to choose between different algorithms.
3. Prepare students for research in the area of cryptography and enhance students communication and problem solving skills
4. To differentiate between the encryption techniques and know their suitability to an application.
5. To effectively apply their knowledge to the construction of secure cryptosystems.

Course Outcomes: -

After successful completion of the course, the students are able to

1. Understand the various types of cryptographic attacks and the mathematics behind cryptography.
2. Describe the various types of ciphers and hash functions.
3. Apply the different cryptographic techniques to solve real life problems.
4. Evaluate different techniques as to their suitability to various applications.
5. Develop a cryptosystem keeping in view social issues and societal impacts.

Course Schedule: -

Day 1: - Introduction to Cryptography and Block Ciphers

Session 1: Introduction to security attacks
introduction to cryptography
classical encryption techniques

Session 2: Modern Block Ciphers
Block ciphers principals
block cipher modes of operations

Day 2: - Confidentiality and Modular Arithmetic

Session 1: Confidentiality using conventional encryption
Introduction to graph

Session 2: Fermat's and Euler's theorem
Primality testing

Day 3: - Public key cryptography and Authentication requirements

Session 1: Principles of public key crypto systems
Introductory idea of Elliptic curve cryptography



- Elgamel encryption
- Session 2: Message Authentication and Hash Function
Authentication requirements
Security of hash functions and MACS
- Day 4: - Integrity checks and Authentication algorithms**
- Session 1: Secure hash algorithm
Digital Signatures
Digital signature standards
- Session 2: Authentication Applications
Directory authentication service
- Day 5: - IP Security and System Security**
- Session 1: IP Security: Architecture
Encapsulating security payloads
key management
- Session 2: Secure socket layer and transport layer security
firewall design principals

Report: -

Computer engg. department of VIVA Institute of Technology conducted a course on "NETWORK SECURITY AND CRYPTOGRAPHY" for Last year students. Total 57 students had been enrolled for this course.

This course was conducted by Prof. Vinit Raut in order to provide knowledge of Cryptography and Network Security. The course covers fundamental aspects of security in a modern networked environment with the focus on system design aspects and cryptography in the specific context of network / internetwork security

It also dwells into basics of cryptographic techniques, algorithms and protocols required to achieve these properties; computational issues in implementing cryptographic protocols and algorithms; and system/application design issues in building secure networked systems. Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	-	3	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	-
CO4	-	-	-	2	-	-	2	-	-	-	-	-
CO 5	-	-	-	-	-	3	-	-	-	-	-	-



Ashwini Save
HOD, Computer Engg.





Semester: Network Security & Cryptography
Subject Incharge:

Week/ Month:
Subject:

Roll No	Name	02/01	03/01	04/01	05/01	10/01	18/01	Total
1	ANGWALKAR SAHIL VIJAY	Sahil	Sahil	A	Sahil	Sahil	Sahil	
2	AREKAR VRISHESH JAYVANT	AV	AV	AV	AV	AV	AV	
3	AVHIRKAR GAURAV GANESH	Gaurav	Gaurav	Gaurav	A	Gaurav	Gaurav	
4	BANERJEE VIJAY	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay	
5	BARSWADE LINESH LAXMIKANT	L. Linesh	L. Linesh	A	L. Linesh	L. Linesh	L. Linesh	
6	BHALERAO ROHIT YASHWANT	R.	R.	R.	R.	R.	R.	
7	BHANDARI AMRUTA BABAN	A	A	A	A	A	A	
8	BHOITE PRANALI SHIVAJI	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali	
9	BODAR MAYUR BHARATBHAI	Mayur	Mayur	Mayur	Mayur	Mayur	A	
10	CHAUHEY SUHAS SATYAPRAKASH	A	A	A	A	A	A	
11	CHAUHAN ARJUN MUNIB	AC	AC	AC	AC	AC	AC	
12	CHAVAN KETAN PRAVINBHAI	Ketan	Ketan	Ketan	Ketan	A	Ketan	
13	CHAWDA SARJAK DINESH	Sarjak	Sarjak	Sarjak	Sarjak	Sarjak	Sarjak	
14	DALVI RAHUL MURLIDHAR	A	A	A	A	A	A	
15	DEHERKAR JAY KIRAN	Jay	Jay	Jay	Jay	Jay	Jay	
16	DIWALE KRUTIKA PRABHAKAR	Krutika	Krutika	Krutika	Krutika	Krutika	Krutika	
17	GAIKWAD POOJA DELIP	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	
18	GAITONDE RACHANA KRISHNANAND	Rachana	Rachana	Rachana	Rachana	Rachana	Rachana	
19	GAWDE KAUSTUBH SHASHIKANT	A	A	A	A	A	A	
20	GORAD RAHUL MOHAN	A	A	A	A	A	A	
21	GUPTA AKASH	AK	AK	AK	AK	AK	AK	
22	GURAV NISHA UDAY	Nisha	Nisha	Nisha	Nisha	Nisha	Nisha	
23	HANKARE NIKHIL DNYANESHWAR	A	A	A	A	A	A	
24	HATE SANKITA SHARAD	S	S	S	S	S	S	
25	HIRVE VISHAKHA ANIL	Anil	Anil	Anil	Anil	Anil	Anil	
26	JAIN ANKIT BHARATBHAI	A	A	A	A	A	A	
27	JAIWAL BRIJESHKUMAR RAMKUMAR	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit	
28	JANI HARSH PARESHKUMAR	Harsh	Harsh	Harsh	Harsh	Harsh	Harsh	
29	JAWALE KHUSHABOO SANDIP	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	
30	KAMBLE PRIYANKA ULHAS	A	A	A	A	A	A	
31	KARNIK ATHARVA TUSHAR	Karnik	Karnik	Karnik	Karnik	Karnik	Karnik	
32	LAGAD GEETA SURESH	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	
33	LOKHANDE RUSHIKESH RAJU	R.L.	R.L.	R.L.	R.L.	R.L.	R.L.	
34	MALI ASHVINI BHATU	A	A	A	A	A	A	
35	MAURYA ANKIT JAINATH	M.A	M.A	M.A	M.A	M.A	M.A	
36	MAURYA SUNNY	A	A	A	A	A	A	
37	MEHTA RAJ BHADRESH	Rm	Rm	Rm	Rm	Rm	Rm	
38	MISTRY KUNAL DEEPAK	Kunal	Kunal	Kunal	Kunal	Kunal	Kunal	
39	MHASHILKAR SURANJAN DEEPAK	S	S	S	S	A	S	
40	NAGARKAR ONKAR KISHOR	Onkar	Onkar	Onkar	Onkar	A	Onkar	
41	NARVEKAR SHRIYA DAYANAND	Sn	Sn	Sn	Sn	Sn	Sn	



Semester :
Subject Incharge :

Week/ Month :
Subject :

Roll No.	Name	Present	Date	Date	Date	Date	Current	Total
42	NIHARI AAKASHI KUMAL	A	A	A	A	A	A	
43	PANCHAL MIHIR HIMAN	A	A	A	A	A	A	
44	PARMAR AJAY PRAKASHBHAI	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay	
45	PATIL ADITI NITIN	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	
46	PATIL AMIYA PRAKASHI	Patil	Patil	Patil	Patil	Patil	Patil	
47	PATIL HARSHAL RAJENDRA	A	A	A	A	A	A	
48	PATIL JAGRITI SHIVAJI	Patil	Patil	Patil	Patil	Patil	Patil	
49	PATIL PRAVIN SURESH	Pravin	Pravin	Pravin	Pravin	Pravin	Pravin	
50	PATIL TILAK KASHINATH	Tilak	Tilak	Tilak	Tilak	Tilak	A	
51	PATOLE PRATHIBA RAMBHI	Prathiba	Prathiba	Prathiba	Prathiba	Prathiba	A	
52	PITALE PRANBHA AMOL	Pranbha	Pranbha	Pranbha	Pranbha	Pranbha	Pranbha	
53	PUJARI ADITYA MURISHI	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	
54	RAUT APURVA SATISH	Raut	Raut	Raut	Raut	Raut	Raut	
55	RAUT JULEY SANGRAM	A	A	A	A	A	A	
56	RAUT NIDHA MAHISHI	A	A	A	A	A	A	
57	SANKHAI MANDAR RAJENDRA	Sankh	Sankh	Sankh	Sankh	Sankh	Sankh	
58	SHAIKH MIRAJ AJI	Miraj	Miraj	Miraj	Miraj	Miraj	Miraj	
59	SHARMA AMAN	Aman	Aman	Aman	Aman	Aman	Aman	
60	SHETKAR SHUBHAM	Shubha	Shubha	Shubha	Shubha	Shubha	Shubha	
61	SINGH ABHISTEK MANISHI	A	A	A	A	A	A	
62	SINGH VISHAL TIHIRUVAN	A	A	A	A	A	A	
63	SOLANKI VARUN	Varun	Varun	Varun	Varun	Varun	Varun	
64	SUTAR HITESH DILIP	Hitesh	Hitesh	Hitesh	A	Hitesh	Hitesh	
65	TARSARYA RAJIV	Rajiv	Rajiv	Rajiv	Rajiv	Rajiv	Rajiv	
66	TELAVANE JUI SUNIL	Telavane	Telavane	Telavane	Telavane	Telavane	Telavane	
67	THAKUR DEEPA SANTOSH	A	A	A	A	A	A	
68	THAKUR SIDDHESH SACHIN	Shakur	Shakur	Shakur	Shakur	Shakur	Shakur	
69	UGALE SHIRADDHA VIJAY	Ugale	Ugale	Ugale	Ugale	Ugale	Ugale	
70	VASKAR AKSHAY ASHISH	Vaskar	A	Vaskar	Vaskar	Vaskar	Vaskar	
71	YADAV KULDEEP RAMKESWAL	Kuldeep	Kuldeep	Kuldeep	Kuldeep	Kuldeep	Kuldeep	
72	YADAV NAVHIN RAMASANKAR	A	A	A	A	A	A	
73	YADAV RAJNATH RAMSAGIVAN	A	A	A	A	A	A	
74	YADAV RAKESH RAMAVADHI	A	A	A	A	A	A	
75	BIHORSALI VISHAL SUNIL	Bihorsali	Bihorsali	Bihorsali	Bihorsali	Bihorsali	Bihorsali	
76	DEVDHIKAR CHINMAY SURYARANT	Chinmay	Chinmay	A	Chinmay	Chinmay	Chinmay	
77	LOKHANDE RAJ MANOJ	Raj	Raj	Raj	Raj	Raj	Raj	
78	MUKADAM DIPESH KIRAN	A	A	A	A	A	A	
79	SAPKAL PRIYA SHASHIKANT	A	A	A	A	A	A	
80	SHIVARNA RAHUL KAMLAKAR	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	
81	SHI VABHAV VIJAY	A	A	A	A	A	A	
82	AMIN ANUSH KARUNAKAR	A	A	A	A	A	A	



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VIVA Institute of Technology

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Affiliated to the University of Mumbai
Shirgaon, Virar(E), Dist: Palghar- 401305, Maharashtra

Certificate of Participation

This certificate is proudly awarded to

Akash Gupta

for his participation in one week Program on "Network Security and
Cryptography" organized by Computer Engineering Department of VIVA
Institute of Technology from 2nd Jan to 5th Jan, 11th Jan and 18th Jan 2018

ASHWINI SAVE
HOD



DR. ARUN KUMAR
PRINCIPAL





Department of Electronics and Telecommunication Engineering

Name of Course:

Nirman-Arduino Workshop

Duration: 30 hours/ 1 week

Day 1- Embedded System Basic (Working, Input devices & Programming Code):

Session 1: *Introduction, Hardware & Basic Programming*

- ✓ Introduction to basic of embedded system
- ✓ Introduction & explanation of microcontrollers
- ✓ Explanation of AVR ATmega 328 microcontroller
- ✓ Explanation of Arduino board & programming
- ✓ Basic Arduino based programs for interfacing i/o devices

Session 2:

- ✓ Introduction to output devices interfacing
 - **Project 1 :** LED blinking
- ✓ Introduction to input devices interfacing
 - **Project 2:** Push button interfacing
- ✓ Rotary encoder interfacing
 - **Project 3 & 4:**
 - i. More LEDS switching sequentially based on encoder input
 - ii. Bar graph sort of LED switching based on encoder input

Quiz

Day 2 - Digital & Analog Input Ouput Devices Interfacing

Session 3:

- ✓ Explanation for digital input devices
- ✓ Explanation for analog input devices





Department of Electronics and Telecommunication Engineering

- ✓ Introduction to temperature sensor and its working
- ✓ Basic programming for interfacing temperature sensor
 - **Project 5 :** Temperature sensor using LM35
- ✓ Introduction to relay
- ✓ Basic programming for interfacing relay
 - **Project 6:** Automatic temperature controller system
(soldering iron temperature control_simple on/off)

Session 4:

- ✓ Introduction to LDR sensor and its working
- ✓ Basic programming for interfacing LDR sensor
 - **Project 7 :** Light controlled switch
- ✓ Introduction to IR sensor and its working
- ✓ Basic programming for interfacing IR sensor
 - **Project 8 :** Detect presence of object and blink LED accordingly

Quiz

Day 3 - Advance Sensor (Ultrasonic, Hall Effect) and Serial Communication

Session 5:

- ✓ Introduction to ultrasonic sensor and its working
- ✓ Basic programming for interfacing of ultrasonic sensor
- ✓ Programming and conversion concept for the measurement
- ✓ Formulas for speed, distance & time for distance measurement using ultrasonic sensor
 - **Project 9 :** Distance Finder / Range Finder using Ultrasonic
- ✓ Explanation of working of stepper motor & motor driver
- ✓ Interfacing of stepper motor with motor driver & basic motor control program
 - **Project 10 :** Stepper Motor Rotation
- ✓ Introduction to Hall Effect sensor and its working
- ✓ Basic programming for interfacing Hall Effect sensor





Department of Electronics and Telecommunication Engineering

▪ **Project 11 : Stepper Motor Speed Detection**

Session 6:

- ✓ Introduction to serial communication & its significance in embedded system
- ✓ Explanation of program for establishing serial communication for data transfer between computer & Arduino

- **Project 12 : Send temperature data and distance measured by ultrasonic to serial port**

Quiz

Day 4 - Visible Output, Keypad

Session 7:

- ✓ Introduction to a 7-Segment LED display
- ✓ 7-segment LED display interfacing & basic data display program
 - **Project 13 : Temperature indicator on 7 segment**
- ✓ Introduction to LCD (16 X 2) & its working
- ✓ LCD Interfacing & Basic data display program
 - **Project 14 : Display temperature on LCD**

Session 8:

- ✓ Introduction to matrix keypad & its working
- ✓ Concept of data line reduction & matrix concept
- ✓ Interfacing LCD & matrix keypad with Arduino
 - **Project 15 : LCD based GUI for user password registration and monitor**

Project 16 Smart Door System

/ Product

Day 5 - Industry 4.0 and Project Guidance

Session 9:

- ✓ Tips for Project making
- ✓ Steps for designing a project
- ✓ Schematic designing tips
- ✓ Project development phase





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Website: www.viva-technology.org



Department of Electronics and Telecommunication Engineering

- ✓ Project functional block programming & output
- ✓ Doubt discussion
- ✓ Industry 4.0: The Fourth Industrial Revolution
- ✓ Certificates & Project Letters distribution for competition

Session 10:

Feedback



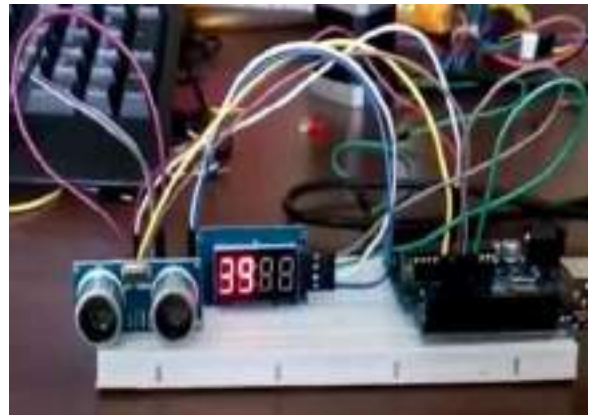


Department of Electronics and Telecommunication Engineering

Report

This 5 days Bridge course was conducted by Prof. Nutan Malekar in order to provide basic knowledge to second year and third year students about an **Arduino** and how it works. It helped students to learn programming concepts using **C and C++** along with Arduino specific programming. The students understood how to use a **wide variety of hardware and components** and prototype projects using a breadboard.

26 students of second year and third year EXTC engineering participated in this course. After this bridge course **project exhibition was organized** where every student showcased their knowledge by doing various innovative projects.





Department of Electronics and Telecommunication Engineering

Course Objectives

Course Objectives

- ✚ To understand what an Arduino is and how it works
- ✚ To learn how to use an Arduino safely
- ✚ To program Arduino using code that have written in the Arduino IDE (Integrated Development Environment)
- ✚ To learn programming concepts using C and C++ along with Arduino specific programming
- ✚ To understand best practice concepts for programming and prototyping
- ✚ To use a wide variety of hardware and components and prototype your projects using a breadboard
- ✚ To build innovative project with Arduino

Course Outcomes:

- Students will be able to get new product or service ideas by hearing about needs in industry.
- Students will be able to receive large volumes of usable content within a compressed amount of time.
- Students will be able to get intensive exposure to a topic through presentations and discussions.
- Students will be able to achieve confidence and motivation for organising different events that improves the personality of a student.
- Students will be able to achieve confidence and motivation for participating in different events that improves the personality of a student.
- Students will be able to develop a connection that might help with future employment.





Department of Electronics and Telecommunication Engineering

CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
CO5	-	2	-	-	-	-	-	-	-	-	-	2
CO6	-	-	-	-	2	-	-	-	-	-	1	1.5
	2	2	-	-	2	2	-	-	-	-	1	





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VIVA Institute of Technology
 Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
 Website: www.viva-technology.org



Department of Electronics and Telecommunication Engineering

Attendance Sheet:



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
 At: Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401303, Maharashtra.
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Department of Electronics and Telecommunication Engineering

Nirman "Arduino Workshop Attendance"

	Date	3 rd July 2018	4 th July 2018	5 th July 2018	6 th July 2018	7 th July 2018					
	Topic	Arduino Introduction Interfacing of Digital I/O	Arduino Analog I/O Interfacing of IOP, 741, 755, 766 & relay	Programming for Interfacing of Temp. sensor, 2-wire I2C, Encoder & Decoder	Programming & Interfacing of I2C, 1-wire, LCD & 4x4 Keypad	Industry 4.0 & Project guidance					
Sl. No.	Name of Participant	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8	Session 9	Session 10
1	Bhushankar Omkar										
2	Nak Saham										
3	Singh Prashant										
4	Solkar Tahmeena	AB	AB								
5	Takhatk Aman	AB	AB								
6	Mahyavanshi Karikkumar										
7	Engineer Yashin										
8	Singh Soniya										
9	Maurya Ravi										
10	Vaidya Pradeep										
11	Gupta Sora										
12	Pandey Deepakumar										
	Name & Sign of Speaker										
		Nutan Malakar	Nutan Malakar	Nutan Malakar	Nutan Malakar	Nutan Malakar	Nutan Malakar	Nutan Malakar	Nutan Malakar	Nutan Malakar	Nutan Malakar





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Department of Electronics and Telecommunication Engineering

Model Certificate





Department of Electronics and Telecommunication Engineering

Name of Course:

PCB Design Workshop

Duration: 30 hours

Module	Content	Hours
1	Printed circuit Board Design: Study of Packages of Electronic Components. History of Printed Circuit Boards. Various types of Printed Circuit Boards-Single Sided Boards, Double Sided Plated through Hole Boards, multilayer Boards.	10
2	Printed Circuit Board Design Methods: Rules for single and Double Sided Board. Schematic diagram Entry in PCB Design tool /S/W. Layout Design, Routing methods .Guideline for Artwork Generation. Generation of various Manufacturing Documents/ Output file generation. Component Library management in PCB Design tool.	12
3	Study of-Fault Finding methods of PCBs, Repairing Techniques. De-soldering techniques, replacement of Component /Solder Pad /Track repairing methods.	8





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Department of Electronics and Telecommunication Engineering

Report

Duration: 11th Jan 2019 to 8th Apr 2019.

Venue: VIVA Institute Of Technology, Shirgaon.

Electronics & Telecommunication Engineering Department of VIVA Institute of Technology organized a 30 hours' certificate course on **"PCB Design Workshop"** during **11th Jan 2019 to 8th Apr 2019.**

The expanding electronics and industrial sectors place high demands on an individual's skill set. It is always advisable to learn new things and have a certain skill set up to work in industry because of the competitive market, industrial necessities, and declining demand for labor force. The workshop was basically aimed to provide basic knowledge to second year of semester 4– EXTC students of design, draught, and fabrication of printed circuit boards which was conducted by **Mr. Kushal Suvarna sir** as the speaker who guided the participants.

The event was a success with very positive feedback from the participants. The speech was an inspiring one that covered the broad future scopes of the field. The Principal being an encouraging one who said that for such events where in student development is involved, he will always be supportive. In the speech given by **Mrs. Archana Ingle**, H.O.D of EXTC, students gained an idea of how this workshop can be utilized to take creative projects in this field.

Mr. Kushal Suvarna sir introduced themselves to the participants and enlightened them about the fantastic and intriguing field and narrated their various achievements and their future plans.





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Department of Electronics and Telecommunication Engineering

Course Objectives

- 1 Understand basics of PCB designing.
- 2 Apply advance techniques, skills and modern tools for designing and fabrication of PCBs.
- 3 Apply the knowledge and techniques to fabricate Multilayer, SMT and HDI PCB.
- 4 Understand concepts of Packaging.

Course Outcomes:

1. Students will be able to explore different aspect of Printed Circuit Board Design and fabrication.
2. Students will be able to learn various types of PCBs, Schematic Design, Entry Rules for Schematic Entry, Component Layout methods,
3. Students will be able to learn Placement Rules, Routing Techniques for Single Sided Board,
4. Students will be able to learn Post Processing of design and Fabrication documents.
5. After completing this course students can design and fabricate their own PCB for their Project and can also work in PCB Designing and Fabrication area.





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Department of Electronics and Telecommunication Engineering

CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
CO5	-	2	-	-	-	-	-	-	-	-	-	2
	2	2	-	-	2	2	-	-	-	-	-	2





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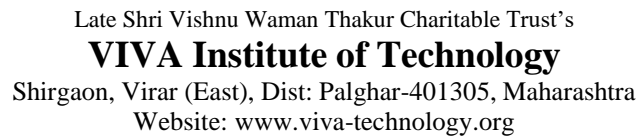


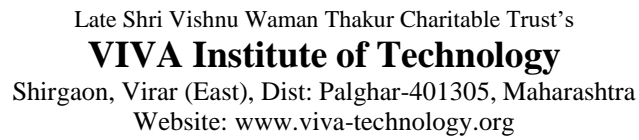
Department of Electronics and Telecommunication Engineering Model Certificate



Student Certificate:



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Department of Electronics and Telecommunication Engineering

Name of Course:

Research Methodology Tools

Duration: 30 hours

Date and Day	Time	Contents
2 nd Jan 2019	8.30 to 9.30	Breakfast, Registration and Inauguration
	9.30 – 11.30	Introduction to Research
	11.30 – 11.45	Tea Break
	11.45 – 12.45	Online research tools
	12.45-1.30	Lunch Break
	1.30 -4.30	How to select Research Topic
3 rd Jan 2019	9.00-11.00	Research Ethics
	11.00-11.15	Tea Break
	11.15-12.45	Scholarly Publications
	12.45 – 1.30	Lunch Break
	1.30 – 4.00	A journey from Research to publication
4 th Jan 2019	9.00-11.00	How to do Literature Review
	11.00-11.15	Tea Break
	11.15-12.45	How to maintain cordial relation between student and guide
	12.45 – 1.30	Lunch Break
	1.30 – 4.00	Data Collection
5 th Jan 2019	9.00-11.00	Basics of Embedded systems & recent trend
	11.00-11.15	Tea Break
	11.15-12.45	Technical Paper writing skills
	12.45 – 1.30	Lunch Break
	1.30 – 4.00	Industry and Institute Interaction & Industry Collaborative research
6 th Jan 2019	9-12.45	Optimization in research Methodology
	12.45-1.30	Tea Break
	1.30 – 4.00	Valedictory Session





Department of Electronics and Telecommunication Engineering

Report

Duration: 2nd January to 7th January 2019.

Venue: VIVA Institute Of Technology, Shirgaon.

Electronics & Telecommunication Engineering Department of VIVA Institute of Technology organized a 30 hours' certificate course on **“Research Methodology Tools”** from **2nd January to 7th January 2019** conducted by Mrs. Devshree Ugvekar.

The objective of the “Research methodology” training program is to teach the techniques and technical paper writing and ethics in research. This STTP provides relation building of the institute with industry for collaboration. The purpose of this STTP is to bring together researchers & students from academia to have discussions on the recent methods in research techniques. This program also deals with the various ways to read and write the technical research papers which will help them to improve their paper writing skills. The STTP aims at equipping teachers with skills and knowledge in order to create a better society by guiding, training and motivating the students to take up research projects.

Topics Covered in STTP on “Research methodology”

- ☐ Online research tools
- ☐ Optimization in research Methodology
- ☐ Industry and Institute Interaction & Industry Collaborative research
- ☐ Revenue generation through institute
- ☐ Technical Paper writing skills
- ☐ Research Data Analysis.

As new developments are introducing in industry day by day demanding expertise in the field of Research Methodology, it was felt necessary that the student also become competent in the said field.





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Department of Electronics and Telecommunication Engineering

Course Objectives

1. To learn the skills of technical paper writing.
2. To learn optimization in research methods.
3. To understand knowledge of collaborative research.
4. To learn the Multivariate Data Analysis techniques in research.

Course Outcomes:

After successful completion of the course, the students are able to

- The participants will learn the skills of technical paper writing.
- Gain the knowledge of collaborative research.
- Learn different online strategies and methods using different software and tools.
- Learn optimization in research methods.
- Learn the Multivariate Data Analysis techniques in research.





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Department of Electronics and Telecommunication Engineering

CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
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Department of Electronics and Telecommunication Engineering Model Certificate



Student Certificate





Department of Electronics and Telecommunication Engineering
Attendance Sheet:

Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Palghar District - 401305, Maharashtra
Department of Electronics and Telecommunication Engineering
ATTENDANCE SHEET FOR **EXTC** PORTUGAL CAMPUS

Sl. No.	Name of Student	Date											
		1	2	3	4	5	6	7	8	9	10	11	12
1	ABHINAV D. SHIRGAON												
2	ADARSH D. SHIRGAON												
3	ADITHYAN D. SHIRGAON												
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Mrs. Deeshree Ugvekar





Department of Electronics and Telecommunication Engineering

Form No. _____

Page No. _____

Department of Electronics and Telecommunication Engineering

Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra

Website: www.viva-technology.org

Sl. No.	Name of the Candidate	Roll No.	Grade	Remarks
1	ADARSH K. K. K.	101	US	
2	ADARSH K. K. K.	102	US	
3	ADARSH K. K. K.	103	US	
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Signature of the Candidate

Signature of the Teacher

Signature of the Head of the Department

Signature of the Principal



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2018-19

Date: 22/06/2018

NOTICE


All the shortlisted students of Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of "Advance Solid Works" from 25th June to 29th June 2018.


Timing:-

1st Session:- 9.00 am - 12. pm

2nd session:- 1.00 pm – 4.00 pm

Venue:- CAD CAM Lab


Prof. Tejas Chaudhari
Faculty Co-ordinator


Prof. Niyati Raut
HOD Mechanical



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING
Syllabus & Course Outcomes

Course Name: **Advance Solid Works**

Academic Term: **July 2018 to Dec 2018**

Syllabus:

Module	Details	Hours
1	Sketching with SolidWorks: 2D Sketching, sketching entities and relations, 3D Sketching, Editing & its features, Dimensions, Sketch tool, Mirror, Convert entity, Move & Copy Part Modeling: Extrude and Cut extrude, Revolve and Sweep, View toolbar, Creating Reference geometries, Fillet and Chamfer, Hole wizard, Calculating weight/mass & other geometric properties, Export / Import of CAD files.	6
2	Advanced Part Modeling: Adding ribs and draft, Circular and rectangular pattern, Shell and Boss feature, Configuration and Design Tables, Material Library & Assigning Material, Library Features & Smart Fasteners, Boolean operations.	6
3	Assembly Mode: Getting started with Assembly, Inserting components in assembly, Top-Down Assembly, Feature Manager Design tree & Symbols, Hiding components & controlling transparency, Sub-Assemblies, Using mates in assembly, Use of Smart Fasteners, Bottom -Up Assembly, Interference detection and misalignment of holes, Exploding assemblies and adding explode lines.	6
4	Generating detail drawings from Model: Drafting overview, Drawing sheets and views, Adding drawing views, View settings and drawing properties, Smart Dimensioning, Annotations and Symbols, Sheet Formats and Templates, Ballooning for nomenclature, Adding Bill of Material and tables.	6
5	Surface Modeling / Sheet Metal: Introduction to surfacing tools, Sweep, Loft, Revolve, Offset etc., Filletting and trimming, Utilization of Sheet Metal & forming tools.	6



Department of Mechanical Engineering; VIVA institute of technology, Shirgaon, Virar (East)

Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Course Outcomes

Sr. No.	CO Code	Course Outcomes
1	CO_1	Visualize and prepare 2D & 3D modeling of a given object using solid works software.
2	CO_2	Build solid model of a given object using solid works software.
3	CO_3	Generate assembly models of given objects using assembly tools.
4	CO_4	Perform product data exchange among CAD systems.
5	CO_5	Build solid model of a given object using surface modeling.



Late Shree Yashu Yashu Waman Charnable Trust's
VIVA Institute of Technology
 At: Shingao, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ADVANCE SOLID WORKS
 Academic Year : 2018-19

Course Duration : 25th June to 29th June 2018

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			25/06/2018	26/06/2018	27/06/2018	28/06/2018	29/06/2018
1	CHAUDHARI RUPESH BENIRAM	SE	R	R	R	R	R
2	DUBEY MANAS SANTOSH	SE	Manas	Manas	Manas	Manas	Manas
3	NIMBARE TUSHAR TUKARAM	SE	tushar	Tushar	tushar	Tushar	tushar
4	PRAJAPATI KHUSHAL CHHITERMAL	SE	Kushal	Kushal	Kushal	Kushal	Kushal
5	BIRWATKAR ANIKET ANANT AKSHATA	TE	Aniket	Aniket	Aniket	Aniket	Aniket
6	JHA BALRAM CHANDRAKANT NAGINA	TE	Balu	Balu	Balu	Balu	Balu
7	GULHANE AMAN ASHOK MAMTA	TE	Aman	Aman	Aman	Aman	Aman
8	JANGLE SHUBHAM SUNIL SMITA	TE	Shubham	Shubham	Shubham	Shubham	Shubham
9	KADAM SIDDHIKA SUDHAKAR NISHITA	TE	Siddhi	Siddhi	Siddhi	Siddhi	Siddhi
10	RAUT KEDAR MANOHAR MEENA	TE	Kedar	Kedar	Kedar	Kedar	Kedar
11	BHATT DARSH PRANAV PURVI	BE	Darsh	Darsh	Darsh	Darsh	Darsh
12	JOSHI KHUSHAL ANANT ANKITA	BE	Kushal	Kushal	Kushal	Kushal	Kushal
13	KAWALE HEMANT SURESH VIJAYALAXMI	BE	Hemant	Hemant	Hemant	Hemant	Hemant
14	NIJAI PRACHI RAJENDRA MEENAKSHI	BE	Prachi	Prachi	Prachi	Prachi	Prachi
15	SHALKAR DIPAK DHARMA RAJI	BE	Dipak	Dipak	Dipak	Dipak	Dipak
16	PANDIT PRITI LAU SHWETA	BE	Priti	Priti	Priti	Priti	Priti
17	VENGURLEKAR RITESH VIJAY VIJAYA	BE	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh


 Prof. Tejas Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Vijayalaxmi Raut
 H.O.D.
 (Mechanical Engineering Dept.)



Late Shree Vidya Valsu Waman Chavhan Trust's
VIVA Institute of Technology
 A. Shingon, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra.
 Department of Mechanical Engineering
VALUE ADDED COURSE - ADVANCE SOLID WORKS
 Academic Year : 2018-19

Course Duration : 25th June to 29th June 2018

Time: 1.00 pm to 4.00 pm

Sr. No.	Name of Students	Class	Date				
			25/06/2018	26/06/2018	27/06/2018	28/06/2018	29/06/2018
1	CHAUDHARI RUPESH BENIRAM	SE	Rupa	Rupa	Rupa	Rupa	Rupa
2	DUBEY MANAS SANTOSH	SE	Manas	Manas	Manas	Manas	Manas
3	NIMBARE TUSHAR TUKARAM	SE	Manas	Manas	Manas	Manas	Manas
4	PRAJAPATI KHUSHAL CHHITERMAL	SE	Prajapati	Manas	Prajapati	Prajapati	Prajapati
5	BIRWATKAR ANIKET ANANT AKSHATA	TE	Manas	Manas	Manas	Manas	Manas
6	JHA BALRAM CHANDRAKANT NAGINA	TE	Manas	Manas	Manas	Manas	Manas
7	GULHANE AMAN ASHOK MAMTA	TE	Manas	Manas	Manas	Manas	Manas
8	JANGLE SHUBHAM SUNIL SMITA	TE	Jangle	Jangle	Jangle	Manas	Jangle
9	KADAM SIDDHIKA SUDHAKAR NISHITA	TE	Manas	Manas	Manas	Manas	Manas
10	RAUT KEDAR MANOHAR MEENA	TE	Raut	Raut	Raut	Raut	Raut
11	BHATT DARSH PRANAV PURVI	BE	Bhatt	Bhatt	Bhatt	Bhatt	Bhatt
12	JOSHI KHUSHAL ANANT ANKITA	BE	Khushi	Khushi	Khushi	Khushi	Khushi
13	KAWALE HEMANT SURESH VIJAYALAXMI	BE	Manas	Manas	Manas	Manas	Manas
14	NUAI PRACHI RAJENDRA MEENAKSHI	BE	Prachi	Prachi	Prachi	Prachi	Prachi
15	SHALKAR DIPAK DHARMA RAJI	BE	Dipak	Dipak	Dipak	Dipak	Dipak
16	PANDIT PRITILAU SHWETA	BE	Pandit	Pandit	Pandit	Pandit	Pandit
17	VENGURLEKAR RITESH VIJAY VIJAYA	BE	Ritesh	Ritesh	Ritesh	Ritesh	Ritesh


 Prof. Tejas Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Nitya Raut
 H.O.D.
 (Mechanical Engineering Dept.)





Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE New Delhi, DTE, Govt. of Maharashtra and Affiliated to
University of Mumbai

Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. KADAM SIDDHIKA SUDHAKAR NISHITA
has attended a **Short Term Training Program** on "ADVANCE SOLID WORKS" during the
period 25th June – 29th June, 2018 at **Department of Mechanical Engineering**, VIVA Institute of
Technology, Shirgaon, Virar.

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2018-19

Date: 28/12/2018

NOTICE


All the shortlisted students of Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of "ANSYS (Engineering Simulation)" from 1st January to 5th January 2019.


Timing:-

1st Session:- 9.00 am - 12. pm

2nd session:- 1.00 pm – 4.00 pm

Venue:- CAD CAM Lab


Prof. Tejas Chaudhari
Faculty Co-ordinator


Prof. Niyati Raut
HOD Mechanical



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING
Syllabus & Course Outcomes

Course Name: **ANSYS (Engineering Simulation)**

Academic Term: **Jan 2019 to May 2019**

Syllabus:

Module	Details	Hours
1	Solid Modeling: An Overview of Solid Modeling Operations, Working with Boolean operations, Working Plane, Importing of 3D models.	4
2	Meshing: Free meshing or Mapped meshing, Setting Element Attributes, Selecting Element Type, Shape Function, Defining Element Types, Defining Section Properties, Assigning Element Attributes before meshing, Mesh Controls, The ANSYS Mesh Tool, Smart sizing, Meshing, Free Meshing, Mapped Meshing, Hybrid meshing, Mesh Extrusion, Volume Sweeping.	8
3	Boundary Conditions: Types of Loads, Applying loads. Solvers: Types of Solvers, Solver Setup, Load Step Options, Solving Multiple Load Steps.	6
4	Tips & Tricks: Using the Toolbar & Creating Abbreviations, Introduction to APDL, Using Parameters, Using the Start File, Using the Session Editor, Using Input Files.	4
5	ANSYS Workbench: Introduction to ANSYS Workbench, Graphical User Interface, Static Structural Analysis, Modal Analysis, Thermal Analysis, Contact Recognition.	8



Department of Mechanical Engineering; VIVA institute of technology, Shirgaon, Virar (East)

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VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Course Outcomes

Sr. No.	CO Code	Course Outcomes
1	CO_1	Apply basic aspects of Analysis to solve engineering problems.
2	CO_2	Select suitable meshing and perform convergence test.
3	CO_3	Apply basic aspects to solve engineering problems.
4	CO_4	Perform basics tricks and tips to solve engineering problems.
5	CO_5	Interpret the result.



Late Shree Vishnu Vishnu Waman Charitable Trusts
VIVA Institute of Technology
 At Shingaoon, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ANSYS (Engineering Simulation)
 Academic Year : 2018-19

Course Duration : 1st Jan to 5th Jan 2019

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			01/01/2019	02/01/2019	03/01/2019	04/01/2019	05/01/2019
1	GHANEKAR NINAD SURESH	SE	Ninad	Ninad	Ninad	Ninad	Ninad
2	GUPTA AAKASH RATAN	SE	Aakash	Aakash	Aakash	Aakash	Aakash
3	NIMBARE TUSHAR TUKARAM	SE	Tushar	Tushar	Tushar	Tushar	Tushar
4	SAWANT YASH CHANDRASHEKHAR	SE	Yash	Yash	Yash	Yash	Yash
5	VARTAK ABHINAV MANOJKUMAR	SE	Vartak	Vartak	Vartak	Vartak	Vartak
6	BHAMARE MAYURI ROHIDAS SHAILAJA	TE	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri
7	JHA BALRAM CHANDRAKANT NAGINA	TE	Balram	Balram	Balram	Balram	Balram
8	KHAN SHAHINAWAZ IDRIS SHAMIMUNNISHA	TE	Khan	Khan	Khan	Khan	Khan
9	PATEL PANKAJ SURENDRA SANGEETA	TE	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj
10	GHARAT GIRISH NARESH NAMRATA	BE	Gharat	Gharat	Gharat	Gharat	Gharat
11	GHARAT SANIL SACHIN SANGEETA	BE	Sanil	Sanil	Sanil	Sanil	Sanil
12	KHAN ABDUL KARIM	BE	Abdulkarim	Abdulkarim	Abdulkarim	Abdulkarim	Abdulkarim
13	NANGLE DIPESH MARUTI MAMTA	BE	Dipesh	Dipesh	Dipesh	Dipesh	Dipesh
14	WAYANGANKAR GANESH VILAS VINITA	BE	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
15	YADAV ABHISHEK RAJNARAYAN DURGAVATI	BE	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek


 Prof. Tejas Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Nysati Raut
 H.O.D.
 (Mechanical Engineering Dept.)





Late Shree Vidya Vidya Varnan Chaudhary Trust's
VIVA Institute of Technology
 At: Shingao, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ANSYS (Engineering Simulation)
 Academic Year : 2018-19

Course Duration : 1st Jan to 5th Jan 2019

Time: 1.00 pm to 4.00 pm

Sr. No.	Name of Students	Class	Date				
			01/01/2019	02/01/2019	03/01/2019	04/01/2019	05/01/2019
1	GHANEKAR NINAD SURESH	SE	Ninad	Ninad	Ninad	Ninad	Ninad
2	GUPTA AAKASH RATAN	SE	Aakash	Aakash	Aakash	Aakash	Aakash
3	NIMBARE TUSHAR TUKARAM	SE	Tushar	Tushar	Tushar	Tushar	Tushar
4	SAWANT YASH CHANDRASHEKHAR	SE	Yash	Yash	Yash	Yash	Yash
5	VARTAK ABHIDNYA MANOJKUMAR	SE	Abhinya	Abhinya	Abhinya	Abhinya	Abhinya
6	BIHAMARE MAYURI ROHIDAS SHAHLAJA	TE	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri
7	JHA BALRAM CHANDRAKANT NAGINA	TE	Balram	Balram	Balram	Balram	Balram
8	KHAN SHAHNAWAZ IDRIS SHAMIMUNNISHA	TE	Shahna	Shahna	Shahna	Shahna	Shahna
9	PATEL PANKAJ SURENDRA SANGEETA	TE	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj
10	GHARAT GIRISH NAKESH NAMLATA	DE	Girish	Girish	Girish	Girish	Girish
11	GHARAT SANIL SACHIN SANGEETA	DE	Sanil	Sanil	Sanil	Sanil	Sanil
12	KHAN ABDUL KARIM	DE	Abdulk	Abdulk	Abdulk	Abdulk	Abdulk
13	NANDLE DIPESH MAKUTI MAMTA	DE	Dipesh	Dipesh	Dipesh	Dipesh	Dipesh
14	WAYANGANKAR GANESH VILAS VINITA	DE	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
15	YADAV ABHISHEK RAJNARAYAN DURGAYATI	DE	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek


 Prof. Tejas Chaudhary
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Niyati Raut
 H.O.D.
 (Mechanical Engineering Dept.)





Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE New Delhi, DTE, Govt. of Maharashtra and Affiliated to
University of Mumbai

Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. NIMBARE TUSHAR TUKARAM
has attended a **Short Term Training Program** on "ANSYS (Engineering Simulation)" during the
period 1st Jan – 5th Jan, 2019 at **Department of Mechanical Engineering, VIVA Institute of
Technology, Shirgaon, Virar.**

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2018-19

Date: 28/12/2018

NOTICE

All the shortlisted students of B.E. Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of **“Introduction to Radiography Non Destructive Testing (RT) Method”** from 01st January to 05th January 2019.

Timing:-

1st Session:- 9.00 am - 12.00 pm

2nd session:- 1.00 pm – 4.00 pm

Venue:- CAD CAM Lab



Prof. Tejas Chaudhari

Faculty Co-ordinator



Prof. Niyati Raut

HOD Mechanical



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Syllabus & Course Outcomes

Course Name: **Introduction to Radiography Non Destructive Testing (RT) Method**

Academic Year: **2018-19**

Syllabus:

MODULE	DETAILS	HOURS
1	Module 1: Basic Principles of Non-Destructive Testing Definition and importance of NDT Types of NDT methods Visual testing (VT) Liquid penetrant testing (PT) Magnetic particle testing (MT) Eddy current testing (ET) Radiographic testing method (RT) Ultrasonic testing (UT) Comparison of different NDT methods	5
2	Module 2: Film Exposure Making a Radiograph Factors Governing Exposure Geometric Principles Relations of Mill amperage (Source Strength), Distance and Time The Reciprocity Law Exposure Factor Determination of Exposure Factors Contrast Choice of Film Radiographic Sensitivity	7
3	Module 3: Absorption and Scattering Radiation Absorption in the Specimen Scattered Radiation Reduction of Scatter	6



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 SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

	Mottling Caused by X-ray Diffraction Scattering in High Voltage Megavolt	
4	Module 4: Radiographic Screens Functions of Screens Lead Foil Screens Fluorescent Screens	4
5	Module 5: Industrial Radiographic Films Selection of Films for Industrial Radiography Photographic Density Densitometers X-Ray Exposure Charts Gamma Ray Exposure Charts The Characteristic Curve	8

Course Outcomes:

SR. NO.	CO CODE	COURSE OUTCOMES
1	CO_1	Apply basic aspects of Inspection to solve engineering problems.
2	CO_2	Understand the concept of Film Exposure.
3	CO_3	Understand the concept of Absorption and Scattering.
4	CO_4	Select appropriate Radiographic Screens.
5	CO_5	Select suitable Industrial Radiographic Films.




Course Duration : 1st Jan to 5th Jan 2019

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			01/01/2019	02/01/2019	03/01/2019	04/01/2019	05/01/2019
1	BHOIR NIRAJ PRADIP MADHURI	BE	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir
2	BHOSALE PRATIK NANDKUMAR CHHAYA	BE	P.Bhosale	P.Bhosale	P.Bhosale	P.Bhosale	P.Bhosale
3	CHIPKAR VINAY SURESH SHUBHANGI	BE	AB	Chipkar	Chipkar	Chipkar	Chipkar
4	DADAS RAHUL RAMCHANDRA SHEELA	BE	D.Padur	D.Padur	D.Padur	D.Padur	D.Padur
5	GADA DIPAM BIPIN REKHA	BE	Gipam	Gipam	Gipam	Gipam	Gipam
6	GHADI SHUBHAM DEEPAK PRIYA	BE	GH	GH	GH	GH	GH
7	JADHAV TEJAS ROHIDAS ROHINI	BE	Jes	Jes	AB	Jes	Jes
8	JADHAV VINIT SADANAND DHANU	BE	Vinit-Jadhav	Vinit-Jadhav	Vinit-Jadhav	Vinit-Jadhav	Vinit-Jadhav
9	JAIWAL SHAILESH RAM PRAVESH BINDU	BE	S-J	S-J	S-J	S-J	S-J
10	KADAM GANESH BALASAHEB SEEMA	BE	K.D	K.D	K.D	K.D	K.D
11	KAKAD RISHIKESH SHIVAJI SUNANDA	BE	R.Kakad	R.Kakad	R.Kakad	R.Kakad	R.Kakad
12	MENGU ABHISHEK BHEEMRAJU	BE	AB	A.Mengu	A.Mengu	A.Mengu	A.Mengu
13	MHATRE AMOGH ARVIND ANAGHA	BE	Amogh	Amogh	Amogh	Amogh	Amogh
14	MHATRE DURGESH DAYANAND ALKA	BE	D.Mhatre	D.Mhatre	D.Mhatre	D.Mhatre	D.Mhatre
15	MHATRE RUGVED DIVYANATH ANJALI	BE	R.Mhatre	AB	R.Mhatre	R.Mhatre	R.Mhatre
16	MHATRE YASH NITIN NITIA	BE	Y.Mhatre	AB	Y.Mhatre	Y.Mhatre	Y.Mhatre
17	KAMBLE AMIT ANANT	BE	A.Kamble	A.Kamble	A.Kamble	A.Kamble	A.Kamble
18	PAWAR OMKAR BABAN SANGEETA	BE	Omkar	Omkar	Omkar	Omkar	Omkar
19	PHUTANE CHAANDAN NARESH VAISHALI	BE	Phutane	Phutane	Phutane	Phutane	Phutane
20	POL PRADUNYA HANUMANT ANITA	BE	AB	Pol	Pol	Pol	Pol
21	SANKHE VINAY KAMALAKAR KAMINI	BE	Sankhe	Sankhe	Sankhe	AB	Sankhe
22	SANKHE VINEET KAMALAKAR KAMINI	BE	Sankhe	Sankhe	Sankhe	Sankhe	Sankhe
23	SINGH SAURAV VISHNU URMILA	BE	S.Singh	S.Singh	S.Singh	S.Singh	S.Singh
24	SINGH SONU PRAMOD RENU	BE	Sonur	Sonur	Sonur	Sonur	AB
25	VALA DHARMIT PRASHANT SONAL	BE	V.Bhush	V.Bhush	AB	V.Bhush	V.Bhush
26	VARTAK BHAVIN KEVAL GEETA	BE	V.Bhush	V.Bhush	V.Bhush	V.Bhush	V.Bhush
27	VHATKAR SNEHAL RAMAKANT CHHAYA	BE	V.S	V.S	V.S	V.S	V.S
28	VISHWAKARMA VIPIN RAMBHARAT GYANDEVI	BE	AB	Vipin	Vipin	Vipin	Vipin
29	YADAV NAVNEET KAMLESH BHANMATI	BE	Navneet	Navneet	Navneet	Navneet	Navneet
30	YADAV VIJAY DAYASHANKAR GULABIDEVI	BE	Vi.Jay	Vi.Jay	AB	Vi.Jay	Vi.Jay


Prof. Tejas Chaudhari
Faculty Coordinator
(Mechanical Engineering Dept.)


Prof. Nitya Raut
H.O.D.
(Mechanical Engineering Dept.)



Course Duration : 1st Jan to 5th Jan 2019

Time: 1.00 pm to 4.00 pm

Sr. No.	Name of Students	Class	Date				
			01/01/2019	02/01/2019	03/01/2019	04/01/2019	05/01/2019
1	BHOIR NIRAJ PRADIP MADHURI	BE	Bhoir	Bhoir	Bhoir	AB	Bhoir
2	BHOSALE PRATIK NANDKUMAR CHHAYA	BE	P.Bhosale	P.Bhosale	P.Bhosale	P.Bhosale	P.Bhosale
3	CHIPKAR VINAY SURESH SHUBHANGI	BE	AB	Vchipkar	Vchipkar	Vchipkar	Vchipkar
4	DADAS RAHUL RAMCHANDRA SHEELA	BE	D.Potul	D.Potul	D.Potul	D.Potul	D.Potul
5	GADA DIPAM BIPIN REKHA	BE	Dipam	Dipam	Dipam	Dipam	AB
6	GHADI SHUBHAM DEEPAK PRIYA	BE	G	G	G	G	G
7	JADHAV TEJAS RONIDAS ROHINI	BE	Tejas	Tejas	AB	Tejas	Tejas
8	JADHAV VINIT SADANAND DHANU	BE	Vinit	Vinit	Vinit	Vinit	Vinit
9	JAISWAL SHAILESH RAM PRAYESH BINDU	BE	S-J	S-J	S-J	AB	S-J
10	KADAM GANESH BALASAHEB SEEMA	BE	K.D	K.D	K.D	K.D	K.D
11	KAKAD RISHIKESH SHIVAJI SUNANDA	BE	R.Kadam	R.Kadam	R.Kadam	R.Kadam	R.Kadam
12	MENGU ABHISHEK BHEEMRAJU	BE	AB	A.Mengu	A.Mengu	A.Mengu	A.Mengu
13	MHATRE AMOGH ARVIND ANAGHA	BE	Amogh	Amogh	Amogh	Amogh	Amogh
14	MHATRE DURGESH DAYANAND ALKA	BE	D.Mhatre	D.Mhatre	D.Mhatre	D.Mhatre	D.Mhatre
15	MHATRE RUGVED DIVYANATH ANJALI	BE	R.PETA	AB	R.PETA	R.PETA	R.PETA
16	MHATRE YASH NITIN NITUA	BE	Y.mhatre	AB	Y.mhatre	Y.mhatre	Y.mhatre
17	KAMBLE AMIT ANANT	BE	Akamble	Akamble	Akamble	Akamble	Akamble
18	PAWAR OMKAR BABAN SANGEETA	BE	Omkar	Omkar	Omkar	Omkar	Omkar
19	PHUTANE CHAANDAN NARESH VAISHALI	BE	Pantun	Pantun	Pantun	Pantun	Pantun
20	POL PRADUNYA HANUMANT ANITA	BE	AB	Pol	Pol	Pol	Pol
21	SANKHE VINAY KAMALAKAR KAMINI	BE	Sankhe	Sankhe	Sankhe	AB	Sankhe
22	SANKHE VINEET KAMALAKAR KAMINI	BE	Sankhe	Sankhe	Sankhe	Sankhe	Sankhe
23	SINGH SAURAV VISHNU URMILA	BE	S.Singh	S.Singh	S.Singh	S.Singh	S.Singh
24	SINGH SONU PRAMOD RENU	BE	Sonur	Sonur	Sonur	Sonur	AB
25	VALA DHARMIT PRASHANT SONAL	BE	Dharmit	Dharmit	AB	Dharmit	Dharmit
26	VARTAK BHAVIN KEVAL GEETA	BE	Bhavin	Bhavin	Bhavin	Bhavin	Bhavin
27	VHATKAR SNEHAL RAMAKANT CHHAYA	BE	V-S	V-S	V-S	V-S	V-S
28	VISHWAKARMA VIPIN RAMBHARAT GYANDEVI	BE	AB	Vipin	Vipin	Vipin	Vipin
29	YADAV NAVNEET KAMLESH BHANMATI	BE	Navneet	Navneet	Navneet	Navneet	Navneet
30	YADAV VIJAY DAYASHANKAR GULABDEVI	BE	Vijay	Vijay	AB	Vijay	Vijay



Prof. Tejas Chaudhari
Faculty Co-ordinator

Prof. Nishu Raut



Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE New Delhi, DTE, Govt. of Maharashtra and Affiliated to
University of Mumbai

Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. VARTAK BHAVIN KEVAL GEETA
has attended a **Short Term Training Program** on **“Introduction to Radiography Non Destructive
Testing (RT) Method”** during the period 01st Jan to 05th Jan, 2019 at **Department of Mechanical
Engineering**, VIVA Institute of Technology, Shirgaon, Virar.

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



VALUE ADDED COURSE

Name of Course:	Printed Circuit Board (PCB) Designing	Branch:	Electrical Engineering
Duration:	30 Hours	Instructors:	Bhavita Patil
Date of Commencement:	06 July 2018	Date of conclusion:	26 Oct 2018

Course Outcomes	
Upon successful completion of the course, the student must be able to	
CO1	To understand the requirements of designing a PCB using software.
CO2	To understand various components required for PCB design and their electrical ratings.
CO3	To use development tools for PCB designing
CO4	To understand design standards and flow charts

Syllabus		
Unit No.	Contents	Hours
1	Introduction to PCB designing concepts: Introduction & Brief History: What is PCB, Difference between PWB and PCB, Types of PCBs: Single Sided (Single Layer), Multi-Layer (Double Layer), PCB Materials. Prototyping, eCAD and PCBs, Purpose and Intent, Equipment Computer Circuit Programming and Testing Hardware, PCB Component Hardware, Software, MPLAB X IDE and XC8 Compiler, Understanding the Walkthrough	6
2	Component introduction and their categories: Types of Components: Active Components, Passive Components Component Package Types: Axial lead, Radial Lead, Single Inline Package(SIP), Dual Inline Package(DIP), Transistor Outline(TO), Pin Grid Array(PGA), Metal Electrode Face(MELF), Leadless Chip Carrier (LCC), Small Outline Integrated Circuit(SOIC), Quad Flat Pack(QFP) and Thin QFP (TQFP), Ball Grid Array (BGA), Plastic Leaded Chip Carrier(PLCC)	6
3	Introduction to Development Tools: Introduction to PCB Design using OrCAD tool, Introduction to PCB Design using PROTEUS tool	6
4	Detailed description and practical of PCB designing	6



	PCB Designing Flow Chart, Description of PCB Layers, Keywords & Their Description, PCB Materials, Rules for Track, Study of IPC Standards	
5	Lab practice and designing concepts: Starting the PCB designing, Auto routing, PCB Designing Practice, Post Designing& PCB Fabrication Process, Testing and Troubleshooting Methods	6

Learning Resources	
Text Books:	
	1. Kraig Mitzner, “Complete PCB Design Using OrCad Capture and Layout”, 2011
Reference Books:	
	1. "PCB Design for Real-World EMI Control (The Springer International Series in Engineering and Computer Science)" by James Drewniak and Bruce R Archambeault. 2. "PCB Design: Printed Circuit Board" by Michael Dsouza and Dsouza Michael



VIVA Institute of Technology, Virar

SUBJECT: Printed CB design
SUBJECT INCHARGE: Bhavita Patil

S.E. ELECTRICAL (2018-2019)

R. No.	Name	6/9/18	6/10/18	13/10/18	13/11/18	20/11/18	27/11/18	3/12/18	3/1/19	P	C	T
1	CHACHAR RAJENDRA SHIVRAJYAN											
2	BAGWE RENAD PRASAD											
3	BHOIR NAITIK GANESH	मोरी	मोरी	मोरी	मोरी	मोरी	A	मोरी	मोरी			
4	BUKALE DHIRAJ RAJU											
5	CHAVAN RUTUJA AJAY											
6	DANDEKAR CHINMAY											
7	DARADE POCJA PRAKASH											
8	DEVIL KTYASHI SITARAM											
9	GADKAR ONKAR VDAY											
10	GURU PRATIL RAJEEV											
11	GUPTA RAJENDRA BASHISHT	Gupta	A	Gupta	A	Gupta	Gupta	Gupta	Gupta			
12	GUPTA REEMA SHIVKUMAR	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta			
13	JAGRUTI SURESH GAIKAR	Gai	Gai	Gai	Gai	Gai	Gai	Gai	Gai			
14	JOSHI ADWAIT NISHKANT											
15	KAMERKAR VRUSHABH MAHESH											
16	KOTIYAR DHIRAJ JAGDISH											
17	MARDOLKAR SACHIN DINKAR	SMR	SMR	SMR	SMR	SMR	SMR	SMR	SMR			
18	MHATRE VIRAJ RAVIN											
19	MISHRA ANIT RAJESH PRASAD											
20	PACHAREKAR ASHESHKUMAR ASHOK											
21	PATIL ANIRUDH VISHWANATH											
22	PATIL ASHUTOSH SANDEEP											
23	PATIL PRATHAMESH KANTI											
24	RAI SHUBHAM UTTAM	S. V. Rai	S. V. Rai	S. V. Rai	S. V. Rai	S. V. Rai	S. V. Rai	S. V. Rai	S. V. Rai			
25	RANE NETRA PRAKASH											
26	SANKAL TEJAS RAMCHANDRA											
27	SALUNKHE RIYA BHARAT											
28	SANANT AADITYA GIRESH	Prsan	Prsan	Prsan	Prsan	Prsan	Prsan	Prsan	Prsan			
29	SASE PARAS RAJESH	Prsan	Prsan	Prsan	Prsan	Prsan	Prsan	Prsan	Prsan			
30	SAWANT BHAVANA JAYPRAKASH											
31	SAWANT SANKET DATTATRAYA											
32	SHINDE ASHRAY SANTOSH											
33	SINGH ADARSHKUMAR ARUN	विंग	विंग	विंग	विंग	विंग	विंग	विंग	विंग			
34	SINGH PRASJEET JASBIR	विंग	विंग	विंग	विंग	विंग	विंग	विंग	विंग			
35	SINGH PRIYA SHUBHNRAYAN											
36	SOLANKI VIGHNESH DILIP											
37	SOLIM HITESH RAMCHANDRA											
38	UPADHYAY VINAY UMESH											
39	VISHWAKARMA BRIJESH RAMESH	VBR	VBR	VBR	VBR	VBR	VBR	VBR	VBR			
40	YADAV KUNISH JAYPRAYASH											
41	YADAV PANKAJ SURESHCHANDRA											
42	YADAV TANAY RAGHODAS											
43	ZOLEKAR KUSHAL VILAS											



VIVA Institute of Technology, Virar

SUBJECT: PCB design

S.E. ELECTRICAL (2018-2019)

SUBJECT INCHARGE: Bhawita Patel

R. No.	Name	10/8/18	14/8/18	4/9/18	7/9/18	21/9/18	24/9/18	28/9/18	1/10/18	P	C	T
1	CHANDAN DEVI (DAUGHTER)											
2	BAGWE NINAD PRASAD											
3	BHOSLE NITIN GANESH	अनिर	A	अनिर	अनिर	अनिर	अनिर	A	अनिर			
4	BURDLE DHIRAJ RAJU											
5	CHAVAN RUTUJA AJAY											
6	DAWDEKAR CHIDMAY											
7	DAWLADI POOJA PRAKASH											
8	DEVIL KATKASH JETARAJ											
9	GAONKAR ONKAR VIJAY											
10	GURU KANAK KANDE											
11	GUPTA RAJENDRA BASHISHT	Gupta	Gupta	Gupta	A	Gupta	A	Gupta	Gupta			
12	GUPTA REEMA SHIVKUMAR											
13	JAGRUTI SURESH GAIKAR	Gai	A	Gai	A	Gai	Gai	Gai	Gai			
14	KERKAR VISHWANATH											
15	KAMERKAR VRUSHABH MANESH											
16	KOTIYAN DHIRAJ JAGDISH											
17	MAIDOLKAR SACHIN DEHAKAR	SMRD	SMRD	SMRD	SMRD	SMRD	SMRD	SMRD	SMRD			
18	MAHAPATRA ANAND											
19	MISHRA ANIRASH PRASAD											
20	PACHAREKAR ASHISHKUMAR ASHOK											
21	PATIL ANIRUDDHA VISHWANATH											
22	PATIL ASHUTOSH SANDEEP											
23	PATIL PRATHANESH KANTI											
24	PAI SHUBHAM UTTAM	Sekar	A	Sekar	Sekar	SPRai	A	Sekar	Sekar			
25	RANE NETRA PRAKASH											
26	SAKPAL TEJAS RAMCHANDRA											
27	SALLUNKHE RIYA BHARAT											
28	SAMANT AADITYA GIRISH	Samant	Samant	Samant	Samant	A	Samant	Samant	Samant			
29	SASE PARAG RAJESH	PRSe	PRSe	PRSe	PRSe	PRSe	PRSe	PRSe	PRSe			
30	SAWANT BHAVANA JAYPRAKASH											
31	SAWANT SANKET DATTATRAYA											
32	SHINDE ANSHU SANTOSH											
33	SINGH ADARSHKUMAR ARUN											
34	SINGH PRABHAT JASBIR	Singh	Singh	Singh	Singh	Singh	Singh	Singh	Singh			
35	SINGH PRIYA SHUBHMARAYAN											
36	SOLANKE VISHNESH DILIP											
37	SOLIM HETESH RAMCHANDRA											
38	UPADHYAY VIKAS UNESH											
39	VISHWAKARMA BRIJESH RAMESH	VBR	VBR	VBR	VBR	VBR	VBR	VBR	VBR			
40	YADAV ANAND KUMAR											
41	YADAV PANKAJ SURESHCHANDRA											
42	YADAV VIKAS KUMAR											
43	KOLEKAR KUSHAL VELAS											



VIVA Institute of Technology, Virar

SUBJECT: PCB Design

S.E. ELECTRICAL (2018-2019)

SUBJECT INCHARGE: Bhawita Patel

Sl. No.	Name	5/10/18	5/10/18	11/10/18	11/10/18	11/10/18	11/10/18	24/10/18	11/11/18	P	C	T
1	CHIVVA VEDICAKSHI KAVANISH											
2	BAGWE NINAD PRASAD											
3	BHOIR RAJTIK GANESH	मोर् मोर् मोर् मोर् मोर्						मोर् मोर्				
4	BHAKLE DHIRAJ RAVI											
5	CHAVAN RUTUJA AJAY											
6	DANDKAR CHIDHAR											
7	DARDE POOJA PRAKASH											
8	DEVE ETANISH SITARAM											
9	GADNAR ONKAR VIJAY											
10	GEN PAVIN RAJDESI											
11	GUPTA RAJENDRA BASHIST	Gup	Gup	Gup	Gup	A	Gup	Gup	Gup			
12	GUPTA REEMA SHUKUMAR											
13	JAGRAUTI SURESH GANAK	Gau	Gau	Gau	Gau	Gau	Gau	Gau	Gau			
14	JOSHI TILAK KIRITRAJ											
15	KAMERKAR VRUSHABH MAHESH											
16	KOTIYAR DHIRAJ JAGDISH											
17	MARDOLKAR SACHIN DIKAR	Smr	Smr	Smr	A	Smr	A	Smr	Smr			
18	MATRELSA PRATIK											
19	MISHRA ANIL KISHOR KUMAR											
20	PADHAREKAR ASHES KUMAR ASHOK											
21	PATEL AMRUDDHA VISHWANATH											
22	PATEL ASHUTOSH SANDEEP											
23	PATEL PRATHAMESH KANTE	Suk	Suk	Suk	Suk	Suk	Suk	Suk	Suk			
24	RAI SHUBHAM UTTAM											
25	RAVE NEERA PRAKASH											
26	SAKPAL TEJAS RAMCHANDRA											
27	SALUNKHE RIYA BHARAT											
28	SARANT RADITYA GIRISH	Smr	Smr	Smr	Smr	Smr	Smr	Smr	Smr	A		
29	SASE PARAG RAJESH	Per	Per	Per	Per	Per	Per	Per	Per	A		
30	SAWANT BHAVANA JAYPRAKASH											
31	SAWANT SANKET DATTATRAYA	SSR	SSR	SSR	SSR	SSR	SSR	SSR	SSR			
32	SHINDE ASHAY HANUMANT											
33	SINGH ADARSHKUMAR ARUN	Lim	Lim	Lim	Lim	Lim	Lim	Lim	Lim			
34	SINGH PRABJEET JASBIR											
35	SINGH PRIYA SHUBHINARAYAN											
36	SOLANKI VIGNESH DILIP											
37	SOLIN HITESH RAMCHANDRA											
38	UPADHYAY VINAY UMESH											
39	VISHWAKARMA BRIJESH RAMESH	VBR	VBR	VBR	VBR	VBR	VBR	VBR	VBR	A		
40	VADAV PANKAJ SURESHCHANDRA											
41	VADAV PANKAJ SURESHCHANDRA											
42	VADAV PANKAJ SURESHCHANDRA											
43	KOLEKAR KUSHAL VILAS											



VIVA Institute of Technology, Virar

SUBJECT: PCB design

S.E. ELECTRICAL (2018-2019)

SUBJECT INCHARGE: Bhavita Patel

Sl. No.	Name	10/10/18	11/10/18	12/10/18	13/10/18	14/10/18	15/10/18	16/10/18	17/10/18	18/10/18	P	C	T
1	CHAVAN NINAD PRASAD												
2	BAGWE NINAD PRASAD												
3	BHOIR RAITIK GANESH	gmk	A	gmk	gmk	gmk	gmk	gmk	gmk	gmk			
4	BURALE DHIRAJ RAJ												
5	CHAVAN RUTUJA AJAY												
6	DANDEKAR CHINMAY												
7	DARADE POOJA PRAKASH												
8	DEVE KANISH KETURAM												
9	GAONKAR ONKAR VIDAY												
10	GIRI BRAHMAN RAIL												
11	GUPTA RAJENDRA BASHISHT	Gup	Gup	Gup	Gup	Gup	A	Gup	Gup	Gup			
12	GUPTA REEMA SHIVKUMAR	Gup	Gup	Gup	Gup	Gup	A	Gup	Gup	Gup			
13	JAGRUTI SURESH GAIKAR	Gai	Gai	Gai	Gai	Gai	A	Gai	Gai	Gai			
14	KOSKAR VIKRANT SURESH												
15	KAMERKAR VRUSHABH MAHESH												
16	KOTIYAN DHIRAJ JAGDISH												
17	HARDOLKAR SACHIN DENKAR	smk	smk	smk	smk	smk	smk	smk	smk	smk			
18	KATRE VIKAS PRADIP												
19	KURSA VIKAS KASHYAP												
20	PACHAREKAR ASHESHKUMAR ASHOK												
21	PATEL ANURUDHA VISHWANATH												
22	PATEL ASHUTOSH SANDEEP												
23	PATEL PRATHAMESH KANTIL												
24	RAI SHUBHAM UTTAM	Sur	Sur	Sur	Sur	Sur	A	Sur	Sur	Sur			
25	RANE NETRA PRAKASH												
26	SAKPAL TEJAS RAMCHANDRA												
27	SALUNKHE RIYA BHARAT												
28	SAHANT AADITYA GIRISH	prk	prk	prk	prk	prk	prk	prk	prk	prk			
29	SASE PARAG RAJESH												
30	SAWANT BHAVANA JAYPRAKASH												
31	SAWANT SANKET DATTATRAYA												
32	SHINDE KESAV RAVI												
33	SINGH ADARSHKUMAR ARUN	gmk	gmk	gmk	A	gmk	gmk	gmk	gmk	gmk			
34	SINGH PRABJEET JASBIR												
35	SINGH PRIYA SHUBHINARAYAN												
36	SOLANKI VIGHNESH DILIP												
37	SOLIM HITESH RAMCHANDRA												
38	URADHAY VIMAY UMESH												
39	VISHWAKARMA BRIJESH RAMESH	vbr	vbr	vbr	A	vbr	A	vbr	vbr	vbr			
40	YADAV ADARSHKUMAR												
41	YADAV PANKAJ SURESHCHANDRA												
42	YADAV VIKAS SURESH												
43	KOLEKAR KUSHAL VILAS												



VIVA INSTITUTE OF TECHNOLOGY

(Affiliated to University of Mumbai; Approved by AICTE & DTE)

Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Samant Aaditya Girish
of class SE Electrical
has successfully completed value added course on
“Printed Circuit Board Design”
organized by
Department of Electrical Engineering
for A.Y. 2018-19 from 06th Jul 2018 to 26th Oct 2018.



Prof. Bhavita Patil
Course Coordinator



Prof. Bhushan Save
Head of Department



VALUE ADDED COURSE

Name of Course:	Electrical Safety Practices	Branch:	Electrical Engineering
Duration:	30 Hours	Coordinator:	Prof. Pratik Mahale
Date of Commencement:	6 Jul 2018	Date of Conclusion:	5 Oct 2018

Course Outcomes	
Upon successful completion of the course, the student must be able to	
CO1	Understand the Indian power sector organization and Electricity rules, electrical safety in residential, commercial, agriculture, hazardous areas and use of fire extinguishers.
CO2	Outline the electrical safety during installation, testing, and commissioning procedures.
CO3	Make use of specifications of electrical plants and classification of safety equipment for various hazardous locations.
CO4	Distinguish various fire extinguishers and their classification.

Syllabus		
Unit No.	Contents	Hours
1	Introduction To Electrical Safety, Shocks And Their Prevention: Term and definitions, objectives of safety and security measures, Hazards associated with electric current and voltage, who is exposed, principles of electrical safety, Approach to prevent Accidents, the scope of subject electrical safety. Primary and secondary electrical shocks, possibilities of getting an electrical shock and its severity, medical analysis of electric shocks and its effects, shocks due to flash/ Spark over's, prevention of shocks, safety precautions against contact shocks, flash shocks, burns, residential buildings, and shop.	6
2	Overview of the Safety Model: Wiring and fitting, Domestic appliances, water tap giving a shock, shock from the wet wall, fan firing shock, multi-storied building, Temporary installations, Agricultural pump installation, Do's and Don'ts for safety in the use of domestic electrical appliances.	6
3	Electrical Hazards recognizing and Evaluating Preliminary preparations, safe sequence, the risk of plant and equipment, safety documentation, field quality, and safety, personal protective equipment, safety clearance notice, safety precautions, safeguards for operators, safety.	6



4	Controlling Hazards: Safe Work Environment: Hazardous zones, class 0, 1 and 2, spark, flashovers, and corona discharge and functional requirements, Specifications of electrical plants, equipment for hazardous	6
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	locations, Classification of equipment enclosure for various hazardous gases and vapors, classification of equipment/enclosure for hazardous locations.	
5	Controlling Hazards: Safe Work Practices: Fundamentals of fire, initiation of fires, types; extinguishing techniques, prevention of fire, types of fire extinguishers, fire detection and alarm system; CO ₂ and Halogen gas schemes; foam schemes, Ladder safety fact sheet, Avoid wet working conditions and other dangers, Avoid overhead powerlines	6

Learning Resources	
Text Books:	
	1. Rao, S. and Saluja, H.L., “Electrical Safety, Fire Safety Engineering and Safety Management”, Khanna Publishers, 1988.
Reference Books:	
	1. Cooper. W.F, “Electrical safety Engineering”, Newnes-Butterworth Company, 1978. 2. John Codick, “Electrical safety handbook”, McGraw Hill Inc., New Delhi, 2000. 3. Nagrath, I.J., and Kothari, D.P., “Power System Engineering”, Tata McGraw Hill, 1998. 4. Wadhwa, C.L., “Electric Power Systems”, New Age International, 2004.



VIVA Institute of Technology, Virar

T.E. ELECTRICAL (2018-2019)

SUBJECT: Electrical Safety Practices
SUBJECT INCHARGE: Prof. Pratik Mahale

R. No.	Name	6/8/18	6/9/18	6/10/18	6/11/18	6/12/18	6/13/18	6/14/18	6/15/18	P	C	T
1	MOHAWAL ANSHUHEX PAVAN	A	A	A	A	A	A	A	A			
2	SHREYANSHADITYA											
3	SHREYANSHADITYA	B	B	B	B	B	B	B	B			
4	SHREYANSHADITYA											
5	SHREYANSHADITYA											
6	SHREYANSHADITYA	P	P	P	P	P	P	P	P			
7	SHREYANSHADITYA											
8	SHREYANSHADITYA											
9	SHREYANSHADITYA											
10	SHREYANSHADITYA	PD	PD	PD	PD	PD	PD	PD	PD			
11	SHREYANSHADITYA											
12	SHREYANSHADITYA											
13	SHREYANSHADITYA	A	A	A	A	A	A	A	A			
14	SHREYANSHADITYA											
15	SHREYANSHADITYA											
16	SHREYANSHADITYA											
17	SHREYANSHADITYA	P	P	P	P	P	P	P	P			
18	SHREYANSHADITYA											
19	SHREYANSHADITYA											
20	SHREYANSHADITYA											
21	SHREYANSHADITYA											
22	SHREYANSHADITYA											
23	SHREYANSHADITYA											
24	SHREYANSHADITYA	Sei	Sei	Sei	Sei	Sei	Sei	Sei	Sei			
25	SHREYANSHADITYA											
26	SHREYANSHADITYA											
27	SHREYANSHADITYA											
28	SHREYANSHADITYA											
29	SHREYANSHADITYA											
30	SHREYANSHADITYA											
31	SHREYANSHADITYA	PD	PD	PD	PD	PD	PD	PD	PD			
32	SHREYANSHADITYA											
33	SHREYANSHADITYA											
34	SHREYANSHADITYA											
35	SHREYANSHADITYA											
36	SHREYANSHADITYA											
37	SHREYANSHADITYA	mm	mm	mm	mm	mm	mm	mm	mm			
38	SHREYANSHADITYA											
39	SHREYANSHADITYA											
40	SHREYANSHADITYA											
41	SHREYANSHADITYA											
42	SHREYANSHADITYA	P	P	P	P	P	P	P	P			
43	SHREYANSHADITYA											

VIVA Institute of Technology, Virar

T.E. ELECTRONIC (2018-2019)

SUBJECT: ESP (couple)

SUBJECT INCHARGE: Pratik Mahale

R. No.	Name	20/8/18	27/8/18	3/9/18	10/9/18	17/9/18	24/9/18	1/10/18	P	C	T
1	AGARWAL ABHISHEK PARAN	A	A	A	A	A	A	A			
2	ANDRE MITESH ADITYA										
3	BARIL DHIRAJ SSMISH	B	B	B	B		B				
4	BHATKAR VINET VINOD										
5	BORHE ALASHI ANVINDRA										
6	CHAUDHARI PRASAD BHADP	P	P	P	P	P		P			
7	DHURDIAK MAYLE KRISHNA										
8	DANDAVE SALUNKE SANDESH										
9	DYVALIA NIRAV RAJESHKUMAR										
10	DHANGAR RISHNI RAJNORA	PD	PD	PD	PD	PD		PD			
11	DHARMJ HARSH NANDKUMAR										
12	DHAROD KUNAL										
13	DHURAMRUTA SUNIL	A	A	A	A	A		A			
14	DADOLU GAYATRI SUNIL										
15	DHAKVAD SANTOSH GORAKH										
16	DAWAND ANSLET GURUNATH										
17	DITE PRIYANKA RAJU	B	B	B		B		B			
18	DHOL RISHAK MITTHERA										
19	GOUDAR SHASHITHARAN										
20	GUPTA GOPI MOHAN										
21	GUPTA PRASHANT MUSAHE										
22	HADHAY CHIRAG KRISHNANATH										
23	HADHAY HIRESH MADHUKAR										
24	HADHAY SAI ANIL	Sei	Sei	Sei		Sei		Sei			
25	HADHAY SIDDHARTH KISHOR										
26	HADHAY TANMAY RAJENDRA										
27	HADHAY VIKAS KISHOR										
28	HADHAY SONAL BABAN										
29	HADHAY JAY HIRENDRA										
30	HADHAY SHREEN FATMA ALI AHMED										
31	HADHAY DEWANG MAHENDRA	kd		kd		kd		kd			
32	HADHAY RAMESH RAMESH										
33	HADHAY VIKAS KISHOR										
34	HADHAY NIKHIL CHANDRAN										
35	HADHAY ABHISHEK VASANT										
36	HADHAY VIKAS KISHOR										
37	HADHAY NEERAJ ARVIND	mm	mm	mm		mm		mm			
38	HADHAY VIKAS KISHOR										
39	HADHAY ASHIT RAJENDRAN										
40	HADHAY GUPTA										
41	HADHAY VIKAS KISHOR										
42	HADHAY RISHAB RANJAN	B	B		B	B		B			
43	HADHAY VIKAS KISHOR										
44	HADHAY VIKAS KISHOR										



VIVA Institute of Technology, Virar

SUBJECT: Pratik Mahale (Electrical Safety TE) T.E. ELECTRICAL (2018-2019)
SUBJECT INCHARGE: _____

R. No.	Name	06/18	06/18	06/18	06/18	06/18	06/18	06/18	06/18	P	C	T
1	AGARWAL ABHISHEK PAWAN	P	P	P	P	P	P	P	P			
2	AMDE MITESH ADITYA											
3	DAGUL DIERAJ RAMESH	P	P	P	P	P	P	P	P			
4	DEATKAR VINIT VINOD											
5	DORDE AKASH RAVINDRA											
6	CHAUDHARI PRASAD PRADIP	P	P	P	P	P		P	P			
7	DADHILKAR MAYUR KRISHNA											
8	DANKHARE SALONKE SANDISH											
9	DEVALLA NIRAV RAJESHKUMAR											
10	DHANGAR RUDRA RAJENDRA	P.D	P.D	P.D	P.D	P.D	P.D	P.D	P.D			
11	DHANU HARDEK NARANKUMAR											
12	DHAROD KUNAL											
13	DHURI AMRITA SUNIL	P	P	P	P	P		P	P			
14	DAGDUL GAYATRI SUNIL											
15	GAIKWAD SANTOSH GORAKH											
16	GAWAND ANIKET GUBLINATH	P	P	P	P	P	P	P	P			
17	GITE PRIYANKA KAVI	P	P	P	P	P	P	P	P			
18	GOHEL RONAK NITINBHAI											
19	GOUNDAR SHASHIDHARAN											
20	GUPTA GOPI MOHAN											
21	GUPTA PIKESH MUSAFIR											
22	JADHAV CHIRAG KRISHNANATH											
23	JADHAV JYOTESH MADHUKAR											
24	JADHAV SAI ANIL	Sai	Sai	Sai	Sai	Sai		Sai	Sai			
25	JADHAV SIDDHARATH KISHOR											
26	JADHAV TANMAY RAJENDRA											
27	JATUL ACHYUT											
28	KANBLE SONAL DADAN											
29	KESUR JAY JITENDRA											
30	KHAN SHEERIN FATMA ALI AHMED											
31	KORE DEWANG MAHENDRA	KD	KD	KD	KD	KD	KD	KD	KD			
32	KUBAL RAJESH RAMESH											
33	KUMAR VEDHANT											
34	LUNAGARIYA NIKHIL CHHANNBHAI											
35	MANDAYKAR ABHISHEK VASANT											
36	MARJAN SURESH											
37	NAIK NEERAJ ARVIND	nm	nm	nm	nm	nm	nm	nm	nm			
38	NAIK NIKHIL ACHYUT											
39	NAIR ASHIT RAJENDRAN											
40	NANDAL GUPTA											
41	NANDAL GUPTA											
42	NANDE KUSHAL RAMCHANDRA	P	P	P	P	P		P	P			
43	NIKAM ASHISH KANANATH											



VIVA Institute of Technology, Virar

T.E. ELECTRICAL (2018-2019)

SUBJECT:

SUBJECT INCHARGE:

P. No.	Name	01/9/18	06/9/18	08/9/18	09/9/18	5/10/18	5/10/18	5/10/18	7/10/18	P	C	T
1	MAGHAI, ABHIRAM, PAVAN	A	A	A	A	A	A					
2	MALHOTRA, ABHIRAM, ABHIRAM											
3	MALHOTRA, ABHIRAM, ABHIRAM	B		B		B	B					
4	MALHOTRA, ABHIRAM, ABHIRAM											
5	MALHOTRA, ABHIRAM, ABHIRAM											
6	MALHOTRA, ABHIRAM, ABHIRAM	P	P		P	P	P					
7	MALHOTRA, ABHIRAM, ABHIRAM											
8	MALHOTRA, ABHIRAM, ABHIRAM											
9	MALHOTRA, ABHIRAM, ABHIRAM											
10	MALHOTRA, ABHIRAM, ABHIRAM	PD		PD		PD	PD					
11	MALHOTRA, ABHIRAM, ABHIRAM											
12	MALHOTRA, ABHIRAM, ABHIRAM											
13	MALHOTRA, ABHIRAM, ABHIRAM	A		A	A	A	A					
14	MALHOTRA, ABHIRAM, ABHIRAM											
15	MALHOTRA, ABHIRAM, ABHIRAM											
16	MALHOTRA, ABHIRAM, ABHIRAM											
17	MALHOTRA, ABHIRAM, ABHIRAM	P		P	P	P	P					
18	MALHOTRA, ABHIRAM, ABHIRAM											
19	MALHOTRA, ABHIRAM, ABHIRAM											
20	MALHOTRA, ABHIRAM, ABHIRAM											
21	MALHOTRA, ABHIRAM, ABHIRAM											
22	MALHOTRA, ABHIRAM, ABHIRAM											
23	MALHOTRA, ABHIRAM, ABHIRAM											
24	MALHOTRA, ABHIRAM, ABHIRAM	Sci	Sci		Sci		Sci					
25	MALHOTRA, ABHIRAM, ABHIRAM											
26	MALHOTRA, ABHIRAM, ABHIRAM											
27	MALHOTRA, ABHIRAM, ABHIRAM											
28	MALHOTRA, ABHIRAM, ABHIRAM											
29	MALHOTRA, ABHIRAM, ABHIRAM											
30	MALHOTRA, ABHIRAM, ABHIRAM											
31	MALHOTRA, ABHIRAM, ABHIRAM	PD	PD	PD		PD	PD					
32	MALHOTRA, ABHIRAM, ABHIRAM											
33	MALHOTRA, ABHIRAM, ABHIRAM											
34	MALHOTRA, ABHIRAM, ABHIRAM											
35	MALHOTRA, ABHIRAM, ABHIRAM											
36	MALHOTRA, ABHIRAM, ABHIRAM											
37	MALHOTRA, ABHIRAM, ABHIRAM	mm	mm		mm	mm	mm					
38	MALHOTRA, ABHIRAM, ABHIRAM											
39	MALHOTRA, ABHIRAM, ABHIRAM											
40	MALHOTRA, ABHIRAM, ABHIRAM											
41	MALHOTRA, ABHIRAM, ABHIRAM											
42	MALHOTRA, ABHIRAM, ABHIRAM											
43	MALHOTRA, ABHIRAM, ABHIRAM											



[illegible]

Portals
SUBJECT IN CHARGE



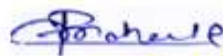
VIVA INSTITUTE OF TECHNOLOGY

(Affiliated to University of Mumbai; Approved by AICTE & DTE)
Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Gite Priyanka Raju
of TE Electrical
has successfully completed value added course on
“ELECTRICAL SAFETY PRACTICES”
organized by
Department of Electrical Engineering
for A.Y. 2018-19 from 6th Jul 2018 to 5th Oct 2018.



Prof. Pratik Mahale
Course Coordinator



Prof. Bhushan Save
Head of Department



VALUE ADDED COURSE

Name of Course:	ELECTRICAL INSTALLATION	Branch:	Electrical Engineering
Duration:	30 Hours	Instructors:	Sushant Bansal
Date of Commencement:	2 Feb 2019	Date of conclusion:	22 April 2019

Course Outcomes	
Upon successful completion of the course, the student must be able to	
CO1	To understand practices followed in industries for safety of equipment and personnel.
CO2	To understand basic electrical and electronics concepts, devices and their electrical ratings.
CO3	To understand power transfer systems and their installation practices in industry
CO4	To understand documentation required for installation.

Course Objectives
The objective of this vocational course is to make students understand various installation practices followed in industries for electrical equipment. This course is designed to make students job-ready for the industry by instilling multiple skills in them like electrical drawing and reading, IEEE and IS standards followed in industries, documentation for industries, etc.

Syllabus		
Unit No.	Contents	Hours
1	Health and safety industry practices The regulations, laws and guidance documents associated with the electrical industry, Use equipment on a construction site, Follow safety procedures, practices and policies on construction sites, Carry out electrical safety procedures and practices, Understand environmental protection, structure and roles of individuals and organizations	6
2	Electrical science Understand direct current principles, Understand electromagnetic properties associated with devices under installation, Understand electronic components required for installation with data sheets and drawings.	6
3	Electrical installation Tools commonly used in electrical installation practices, Erect cable containment/management systems used in electrical installation, Install wiring systems and supports used in electrical installation activities, Install accessories and terminate using a range of connections.	6



4	Power transfer technology Understand how electricity is supplied and the characteristics of consumer's equipment, Understand isolation and protection, Understand automatic disconnection of supply, Understand the principles of final circuits	6
5	Technical documentation with clients Understand technical information with help of IEEE standards, manufacturer guidelines, Drawings used to plan electrical activities, Types of financial information, Types of handover information	6

Learning Resources	
Text Books:	
	1. Trevor Linsley, "Basic electrical installation work", 1989 2. J. B. Gupta, "A Course in Electrical Installation Estimating and Costing", 2013.
Reference Books:	
	1. Tarlok Singh, "Installation Commissioning & Maintenance Of Electrical Equipments", 2013 2. Brian Scaddan, "Electrical Installation Work", 2015



VIVA Institute of Technology, Virar

SUBJECT: Value Added course

B.E. ELECTRICAL (2018-2019)

SUBJECT INCHARGE: Sushant Desai

R. No.	Name	10/1/18	11/1/18	12/1/18	13/1/18	14/1/18	15/1/18	16/1/18	17/1/18	P	C	T
1	AMBHIRE SNEHAL MAHESH	AD	AD	AD	AD	AD	AD	AD	AD	8		
2	ASODARIYA JAYDEEP K.											
3	BAGUL AKSHAY VILAS											
4	BARAT DIPAK NAVASHA	BD	BD	BD	BD	BD	BD	BD	BD	8		
5	BARI HIMALAY DATARAM											
6	BIHATT ANUBAG K.											
7	BHAYASAR KAUSTUBH M.											
8	BOBHATE PRASAD LAXMAN	BP	BP	BP	BP	BP	BP	BP	BP	8		
9	BONDHE HEMENDRA RAMESH											
10	CHAKOR KAMESH PANDURANG											
11	DESAI RAMCHANDRA PUNAI											
12	DESAI SIDDHESH SURESH											
13	FAKIR ALISHA ABDULKADAR											
14	GARDI ADITI VILAS	FA	FA	FA	FA	FA	FA	FA	FA	8		
15	GAWDE HARISH PANDURANG											
16	GHOSALKAR MAYUR R.											
17	GODEKAR SIDDHESH SANTOSH											
18	GUPTA AJAY SHAMHULNATH											
19	GUPTA DILIPKUMAR S.	Gu	Gu	Gu	Gu	Gu	Gu	Gu	Gu	8		
20	GUPTA RAHUL RAMPRASAD											
21	GUPTA ROHIT RAMDAYAL											
22	GURAV ANKET SANJAY											
23	HAZARE PRACHI PURUSHOTTAM											
24	JASWAR SUNET SHIVKUMAR	Ju	Ju	Ju	Ju	Ju	Ju	Ju	Ju	8		
25	KADAM ADINATH SUBHASH											
26	KADAM TANMAY S.											
27	KAMBLE CHETAN VUAT											
28	KAMBLE SANKET VITHAL											
29	KASBE SHARAD DAMU											
30	KHOCHARE KRUNAL GANESH	KK	KK	KK	KK	KK	KK	KK	KK	8		
31	KPMREDDHUL BALAN											
32	KUMARAT MONALI RAJENDRA											
33	KUSHWAHA DEEPAK B.											
34	MAKAWA HARSH H.	MA	MA	MA	MA	MA	MA	MA	MA	8		
35	MESTRY ABHISHEK MANOHAR											
36	MOHILE SHANTANU S.											
37	MURKUTE MOHIT SEDESH											
38	NAR PRANALI PRAMOD											
39	PANSARE SANDESH D.	PD	PD	PD	PD	PD	PD	PD	PD	8		
40	PARMAR GAURAV JITENDRA											
41	PATEL DEEP HEMANT											
42	PATIL SAURABH R.											
43	PATIL TRUPAL BHAGWAN	PT	PT	PT	PT	PT	PT	PT	PT	8		



44	PAWAR MAYUR HARISING													
45	RAJ SUMIT SUNE													
46	RANE ABHISHEK KRISHNA													
47	RAUT NIMISH ANIL													
48	RAYANI SHAILESHKUMAR R													
49	SAJMANI INTEZAR ALI L													
50	SAWANT SIDDHESH TUKARAM													
51	SHAH KINJAL RASHMIKANT													
52	SHAIKH REHAN MOHD F													
53	SINGH DEEPAK M													
54	SINGH DIBESH DHANANJAY	SP	SP	SP	SP	SP	SP	SP	SP	SP	8			
55	SINGH OMPRAKASH RANJEET													
56	TAMORE HIMANSHU J													
57	TAMORE KALPESH HEMANT													
58	TAMORE SUMIT SANDEEP													
59	TANK KINJAL NAVIN	Ka	Ku	Ku	Ku	Ku	Ku	Ku	Ku	Ku	6			
60	TEJAM VIKRANT MANGESH													
61	TELI SWAPNIL NANDKISHOR													
62	UPADHYAY ROHAN ARVIND													
63	VAIDYA RAHUL RAJAN													
64	VAYADA ANKITA RAMU	A	LA	LA	LA	LA	LA	LA	LA	LA	8			
65	WADE RUPAL DINESH													
66	WALA JAY ARUN													
67	WATUMBARE ASHITOSH													
68	YADAV AKASH RAJMANI													
69	YADAV RAHUL HIRALAL	R	R	R	R	R	R	R	R	R	8			
70	ZANJE SHUBHAM MADHUKAR	25	25	25	25	25	25	25	25	25	8			
71	ZIMAL RISHIKESH													
72	CHAVAN PRANIT ABA													
73														
74														
75														
NO OF STUDENTS PRESENT		15	15	15	15	15	15	15	15	15				

SUBJECT INCHARGE

[Signature]



VIVA INSTITUTE OF TECHNOLOGY

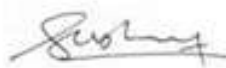
(Affiliated to University of Mumbai; Approved by AICTE & DTE)

Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Gupta Dilipkumar S
of BE Electrical
has successfully completed value added course on
“ELECTRICAL INSTALLATION”
organized by
Department of Electrical Engineering
for A.Y. 2018-19 from 14 FEB 2019 to 1 April 2019.



Course Coordinator



Head of Department





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Shirgaon, Virar (E), Tal: Vasai, Dist: Palghar – 401 305.
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SEMESTER VIII

Course Name: Microsoft Project Manager

Academic Year: 18 - 19

Resource person: Ms. Ramya Raju

Conducted as per time table for the respective subject

Hours: 30

Objectives:

1. Plan for a project in detail.
2. To use templates which creates projects in project 2017
3. To create, manage, schedule and track all the imputed resources
4. To create, manage, assign and track tasks of all inputted resources
5. To work with deadline and constraints
6. To use dependencies to help schedule tasks
7. To run reports

Course Outcomes

At the end of the course, learners will be able to understand :

1. The functions involved in software related to civil engineering projects.
2. How to prioritize tasks, define expectations and prepare schedule.
3. Will know tracking and managing resources throughout the project.
4. To create and tracking budgets and sharing calendars with the team.
5. Learn about risk management involved in project management.





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Detailed Syllabus

Chapter 1: An Introduction to Project Management 03hours

Recognize when to use project management, role as a project manager is to deliver a project, communications, influence, and careful use of authority all play a major factor in the support you receive to complete the project, Project managers frequently find themselves with the challenge of adding new scope to a project with an already tight timeline. Typically, the job of the project manager is to work with their team to determine what this new scope will mean and how it will affect the project, building and tracking project schedules.

Chapter 2: The Microsoft Project User Interface.....05 hours

To recognize best practices when running ms project for the first time, microsoft project user interface, the ribbon area icons, tabs, and access to the backstage, microsoft project scheduling engine, preparing a new project, estimating the project, ribbon actions (icons) you may need to perform within microsoft project, backstage is a full-screen area that allows you to open, save, share, and print your project, using views and tables

Chapter 3: The Microsoft Project Scheduling Engine06 hours

constraint based scheduling, calculates dates for you based on constraints you place on tasks and resources, critical path and user-controlled scheduling, user-controlled scheduling can effectively break the ability to identify the critical path because durations, start dates, and finish dates are not required when using this feature, configure project options, microsoft project offers many options for you to configure the user interface, scheduling engine, and task tracking for your project most of these options are located in the backstage using the options menu item.





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Chapter 4: Preparing a New Project.....6 hours

Create a new project before you create a new project, make sure you have all the project options configured as you want them unless you have a unique reason to do otherwise, it is a good practice to start with a blank project configure a project calendar learn the differences between the Microsoft project calendars and when to use them.

Chapter 5: Estimating the Project.....3 hours

Add tasks to the project, add durations to each task, add predecessors to each task to link tasks together, create the critical path, add resources to the project, create resource assignments, build a work breakdown structure, add costs to the project, add milestones to the project, add lag and review the critical path, adjust resource allocations.

Chapter 6: Tracking the Project.....2 hours

To create a baseline baselines, custom views and fields project reporting task status updates updating task status from your team and update the project progress. resource assignment status updates .

Chapter 7: Custom Views and Fields.....3 hours

To create custom views and tables views, create custom fields microsoft project, create graphical indicators when you create a custom field, further enhance it to use graphical indicators. these indicators allow you to display things like red, yellow, and green flag

Chapter 8: Project Reporting2 hours

working with the timeline, multiple timelines in project 2016, 2019 and online, working with the reporting module, about agile projects, using the task board, using sprints, using project online desktop, tips and tricks conclusion go to goskills.com using boards and the gantt chart, sharing boards





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Name of the Course: Matlab

AY: 2018-19

Course Duration: 30 hrs

Resource person: Ms. Chitra Takle

Schedule

Date	Pre-Lunch (9am-12pm)	Post-Lunch (1pm-4pm)
02/07/2018	Session 1	Hands on
03/07/2018	Session 2	Hands on
04/07/2018	Session 3	Hands on
05/07/2018	Session 4	Hands on
06/07/2018	Session 5	Hands on

Day 01: Introduction to MATLAB

Matlab basics – variables, numbers, operators, expressions, input & output

Vectors, Arrays - Matrices

Day 02: MATLAB functions

Built in functions

User defined functions

Day 03: Graphics with MATLAB

Files and file management – import / export

Basic 2D, 3D plots





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Day 04: Programming with MATLAB

Conditional statements, Loops

MATLAB Programs- Programming and debubbing

Applications of MATLAB programming

Day 05: Mathematical Computing with MATLAB

Algebraic equations

Basic Symbolic Calculus and Differential equations

Numerical Techniques and Transforms

Course Objectives:

1. To learn features of MATLAB as a programming tool
2. To promote new teaching model that will help to develop programming skills and technique to solve mathematical problems
3. To understand MATLAB graphic feature and its applications
4. To use MATLAB as a simulation tool

Course outcomes:

1. Students will be able to understand various tools used in MATLAB
2. Students will be able to understand various models for developing programming skills
3. Students will be able to understand graphic feature & applications
4. Students will be able to operate simulation tools





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CO PO MAPPING

CO	Program Outcomes												CO target
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
C01	2												2
C02		2			2								2
C03		1									1		1.5
C04		1		1									2
	2	2		1	2						1		





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ATTENDANCE SHEET

Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
SHIRGAON, VIRAR (E)
B.E. DIV B CIVIL SEM VIII
ATTENDANCE SHEET 2018-19

Ref: 07/01/2019
NAME OF THE FACULTY: _____

Date: 07/01/2019
SHEET NO: _____

ROLL NO.	NAME OF THE STUDENT/DATE Time of lecture	2/7	3/7	4/7	5/7	6/7	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	Pr Total	CP	Gr Total
1	KOLI AAKASH HARESHWAR SUMAN	A	A	A	A	A																															
2	KUDU GANESH SURESH SUREKHA	A	A	A	A	A																															
3	LOKE OMKAR BHIKAJI BHAGYASHREE	A	A	A	A	A																															
4	MALI ABHISHEK DILIP DEEPAI	A	A	A	A	A																															
5	MANSOORI SULEMAN MOHAMMAD	A	A	A	A	A																															
6	MAURYA ADARSH KUMAR	A	A	A	A	A																															
7	MAURYA MOHIT ASHOK KUMAR	A	A	A	A	A																															
8	MAURYA SURAJ OMPRAKASH UMA	A	A	A	A	A																															
9	MENGE ROSHAN RAVINDRA RASHMI	A	A	A	A	A																															
10	MESTRY NILESH RAMCHANDRA VIDYA	A	A	A	A	A																															
11	MHATRE ROSHAN KANHYA PRATIMA	A	A	A	A	A																															
12	MOKAL KARAN	A	A	A	A	A																															
13	MORE YASH SACHIN SUNTA	A	A	A	A	A																															
14	NAGARE AMOL BHAGVAT SANDHYA	A	A	A	A	A																															
15	NAGARE GANESH BHAGAWAN SHAILA	A	A	A	A	A																															
16	NAGARKAR CHIRAG DAMODAR	A	A	A	A	A																															
17	NAIK YOGESH DATTATREY GEETA	A	A	A	A	A																															
18	NISHAD DAYARAM CHUNNILAL	A	A	A	A	A																															
19	PADASKAR MAYURESH MASHNU	A	A	A	A	A																															
20	PALKAR JITENDRA GANPAT SUVARNA	A	A	A	A	A																															
21	PANCHAL HARDIK DINESH BHARATI	A	A	A	A	A																															
22	PARBATE BHAVESH RAMESH RESHMA	A	A	A	A	A																															
23	PARMAR ANIKET BHAIKULAL PAVAN	A	A	A	A	A																															
24	PATHAK ASHISHKUMAR ANAND	A	A	A	A	A																															
25	PATIL BHAGYASHIRI NARESH SHOBHA	A	A	A	A	A																															
26	PATIL DIPESH JAYPRAKASH	A	A	A	A	A																															
27	PATIL GAURAV RAMESH SULOCHANA	A	A	A	A	A																															
28	PATIL HARSHITA VIJAY RANJANA	A	A	A	A	A																															
29	PATIL KALPIT JITENDRA JAGRUTI	A	A	A	A	A																															
30	PATIL KOMAL SUDHIR SUNITA	A	A	A	A	A																															
31	PATIL KRANTESH DILIP CHITRA	A	A	A	A	A																															
32	PATIL MAYURESH NARAYAN	A	A	A	A	A																															





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Late Shri. Vishnu Waman Thakur Charitable Trust's
 VIVA Institute of Technology
 SHIRGAON, VIRAR (E)
 B.E. DIV B CIVIL, SEM VIII

Date: 07/01/2019

ATTENDANCE SHEET 2018-19

SHEET NO:

we: 07/01/2019

NAME OF THE FACULTY:

SUBJECT:

ROLL NO.	NAME OF THE STUDENT/DATE	2/1	3/1	4/1	5/1	6/1	7	8	Pg Total	CF	Gr Total
	Time of lecture										
37	PRAJAPATI DHIRAJ SANTU PRAMILA	A	A	A	A	A					
38	PRAJAPATI RAHUL GYANPRAKASH	A	A	A	A	A					
39	RANE JAY MILIND SANJYOT	A	A	A	A	A					
40	RANIM SAURABH SURESH SNEHA	A	A	A	A	A					
41	RATHOD PRATIKSHA VASANT LATA	A	A	A	A	A					
42	RAUT PRANJALI MILIND MRUNAL	A	A	A	A	A					
43	ROY AMIT SUNIL SABITA	A	A	A	A	A					
44	SAFUI AMAN AJAY LILYMA	A	A	A	A	A					
45	SAKAT VISHAL RAMU SUMAN	A	A	A	A	A					
46	SAKPAL ANKIT RAMCHANDRA	A	A	A	A	A					
47	SANAP NIKHIL BALASAHEB SUNITA	A	A	A	A	A					
48	SAPKAL RAMCHANDRA DAJI TANABAI	A	A	A	A	A					
49	SATAV NIRAJ	A	A	A	A	A					
50	SAWANT KASHINATH DINKAR	A	A	A	A	A					
51	SAWANT NISHANT SHRIRAM USHA	A	A	A	A	A					
52	SHAIKH ALTAF SAYYED KADAR SAFIYA	A	A	A	A	A					
53	SHILEDAR AMIT	A	A	A	A	A					
54	SHINDE PRIYANKA SHANTARAM	A	A	A	A	A					
55	SHIPKULE RAHUL BHAGCHAND	A	A	A	A	A					
56	SINGH VISHAL OMKAR USHA	A	A	A	A	A					
57	SUKHLADE SHWETA PANDIT MANGAL	A	A	A	A	A					
58	VAGHASIYA RONAK CHIMANBHAI	A	A	A	A	A					
59	VARTAK VISMAY KISHOR JAYSHREE	A	A	A	A	A					
60	VICHARE PRATHAMESH PRAMOD	A	A	A	A	A					
61	WADEKAR PRANIT SHASHIKANT	A	A	A	A	A					
62	WAGLE REHAN IRFAN RIZWANA	A	A	A	A	A					
63	WANKHEDE SAGAR ARJUN ARCHANA	A	A	A	A	A					
64	YEWLE VRUSHALI KASHINATH	A	A	A	A	A					





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VIVA INSTITUTE OF TECHNOLOGY
 Shirgaon, Virar (E), Tal: Vasai, Dist: Palghar – 401 305.
CIVIL ENGG. DEPARTMENT



Late Shri Vishnu Waman Thakur Charitable Trust's
 VIVA Institute of Technology
 SHIRGAON, VIRAR (E)
 D.E. DIV A CIVIL SEM VIII
 ATTENDANCE SHEET 2018-19

Date: 03/01/2019
 SHEET NO: _____

Web: 03/01/2019
 NAME OF THE FACULTY: _____

ROLL NO.	NAME OF THE STUDENT/DATE Time of lecture	2/7	3/7	4/7	5/7	6/7	7	8	Pg Total	CP	Gr Total
1	AGRE NEJAL MAHENDRA SONAL	A	A	A	A	A					
2	ANSARI NAZISH MAQSOOD	A	A	A	A	A					
3	ARSANIYA TIMIR	A	A	A	A	A					
4	AVHAD NIKHIL BHALCHANDRA	A	A	A	A	A					
5	AVHAD SUNEET ROHIDAS	A	A	A	A	A					
6	BAMBARKAR ONKAR VIJAY	A	A	A	A	A					
7	BARI CHAITANYA NITTEEN	A	A	A	A	A					
8	BARIA SANKALP	A	A	A	A	A					
9	BATAWALE VINOD HARISH	A	A	A	A	A					
10	BECHAVADE SANKET SANTOSH	A	A	A	A	A					
11	BELOSE ONKAR VIKAS YOJANA	A	A	A	A	A					
12	BERDE VIGHNESH SANTOSH	A	A	A	A	A					
13	BHAGADE UDAY NARESH NITA	A	A	A	A	A					
14	BHAGAT HARSHAD TUKARAM	A	A	A	A	A					
15	BHANDE MAYUR ANIL ANITA	A	A	A	A	A					
16	BHOIR ANIKET MANOJ	A	A	A	A	A					
17	BHOIR APURVA KALURAM	A	A	A	A	A					
18	BOMBALE ABHISHEK ANANT	A	A	A	A	A					
19	BOWLEKAR KALPESH LAXMAN	A	A	A	A	A					
20	BRAHMBHATT RUSHABH ASHOK	A	A	A	A	A					
21	CHARIPALLI RAHUL RAVINDRA	A	A	A	A	A					
22	CHIKANE SHAILESH	A	A	A	A	A					
23	CHIPLUNKAR KALPANA MANOHAR	A	A	A	A	A					
24	CHOPRA RAHUL RAJMAL	A	A	A	A	A					
25	DAVRUNG DHIRAJ JAYESH	A	A	A	A	A					
26	DEORA TEJAS AMRITLAL GEETA	A	A	A	A	A					
27	DESHMUKH KUNAL ATMARAM	A	A	A	A	A					
28	DHAINJE VRUSHABH VASANT	A	A	A	A	A					
29	DOIPHODE SWAPNIL DHAKU	A	A	A	A	A					
30	DUBEY ANIKET	A	A	A	A	A					
31	DWIVEDI NITYANAND	A	A	A	A	A					
32	GAVALI SWATI SARJAPPA	A	A	A	A	A					
33	GAWAD RUGVED MANGESH	A	A	A	A	A					
34	GAWAD SAMIKSHA RAVIKUMAR	A	A	A	A	A					



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Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

DEPARTMENT OF FIRST YEAR ENGINEERING

ACADEMIC YEAR-2018-19

VALUE ADDED COURSE

NAME	SOFT SKILLS
DURATION	(1 WEEK) 30 HRS
DATE & TIME	1st Jan to 5th Jan 2019/9.00am -12.00pm and 1.00pm -4.00pm
RESOURCE PERSON	Mr. Prashant Pawar & Mrs. Trupti Patil

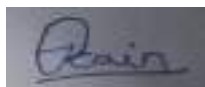
COURSE OBJECTIVE:

To help the future engineers to understand and implement soft skills in the work environment.

Aim: The course can help future engineers to improve their communication, problem-solving and presentation skills with an aim to land a better job.

SESSIONS ON SOFT SKILLS:

Session 1.	Soft Skills and You
Session 2.	Interpersonal Communications
Session 3.	Leadership Management
Session 4.	Preparing for Employment
Session 5.	Group Discussion
Session 6.	Resume Building
Session 7.	Mock Interview
Session 8.	Presentation Skills
Session 9.	Communication at Workplace
Session 10.	Workplace Etiquette



CO-ORDINATOR
PROF. Jayesh Jain



H.O.D
DR. Ajazul Haque



Late Shri. Vidya Woman Thakur Charitable Trust's

VIVA Institute of Technology

Academic Year: 2018-2019

First Year Engineering

Attendance for certificate courses

SR.NO.	Name Of Participant	1/1/2019		2/1/2019		3/1/2019		4/1/2019		5/1/2019	
		Self Study and Test	Interpersonal Communication	Leadership Management	Preparing to Graduate	Group Discussion	Recent Reading	Mock Interview	Practicing Skills	Communication Workshop	Workplace Exposure
		Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8	Session 9	Session 10
1	ABHINAV BHADWARI	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav
2	ADARSH KUMAR	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
3	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
4	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
5	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
6	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
7	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
8	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
9	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
10	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
11	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
12	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
13	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
14	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
15	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
16	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
17	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
18	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
19	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
20	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
21	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
22	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
23	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
24	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
25	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
26	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
27	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
28	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
29	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
30	ADARSH KUMAR SHARMA	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
	Name & Sign of Speaker	Dr. Trupti Patel	Dr. Trupti Patel	Dr. Trupti Patel	Dr. Trupti Patel	Dr. Trupti Patel	Dr. Trupti Patel	Dr. Trupti Patel	Dr. Trupti Patel	Dr. Trupti Patel	Dr. Trupti Patel





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Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

CERTIFICATE OF PARTICIPATION

This is to certify that **Mrs. ASWANI TANVI BHAGWAN**
attended **one-week Program** on “**Soft Skills**” organized by **First Year Engineering**
Department Of VIVA Institute of Technology from **1st Jan to 5th Jan 2019.**

Co-ordinator
Prof. Jayesh Jain

H.O.D
Dr. Ajazul Haque





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A.Y. 2017-2018





Vishnu Vastan 'Pradip Charitable Trust's
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Approved by AICTE, New Delhi, 1993. Affiliated to Pimpri Chinchwad Education Trust, Pimpri, Maharashtra, (Vastan), Mumbai. Email: viva@viva.edu.in
COMPUTER ENGINEERING DEPARTMENT

Academic Year 2017-18

Course name: - Programming with JAVA

Duration: - 10th July 2017 to 14th July 2017

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Janhavi Thakur

Enrolled students: - 20

Course Objective:-

1. To understand the basic concepts and fundamentals of platform independent object oriented language.
2. To demonstrate skills in writing programs using exception handling techniques and multithreading.
3. To understand streams and efficient user interface design techniques.
4. To write programs for solving real world problems using java collection framework.
5. To impart hands-on experience with java programming.

Course Outcomes:-

After successful completion of the course, the students are able to

1. Use the syntax and semantics of java programming language and basic concepts of OOP.
2. Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
3. Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.
4. Able to write programs for solving real world problems using java collection frame work.

Course Schedule:-

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction to Java, Java buzzword, scope, and lifetime	Classes and Objects, Inheritance Exercise
2	Interference, Packages	Exception Handling Exercise
3	Strings, and Library	Multithreading Exercise
4	Applets	Event Handling Exercise
5	Layout Manager	Quiz





Report:-

Computer engg. department of VIVA Institute of Technology conducted a course on "Programming with JAVA" for second and third year students. Total 20 students had been enrolled for this course.

This course was conducted by Prof. Janhavi Thakur in order to provide basic knowledge of JAVA programming. This was 30 hrs. certificate course.

During the course students learned basic programming of JAVA. Also students learned all concepts of JAVA like interference, packages, applets and so on. Students practiced of all things concepts in the exercise session. All doubts and errors during programming were solved by the co-ordinator.

Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	-	2	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	1	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-
	3	2	3	3	-	-	-	-	-	-	-	-

CO PO Justification: -

COs	POs	Justification
CO1	PO1	Strongly mapped as the students will be able to analyse the problem to be implemented using basics of Python.
CO2	PO2	Moderately mapped as the students will be able to identify the technique required to implement the problem.
CO3	PO3	Strongly mapped as the students will be able to find a solution for the problem identified.
	PO4	Slightly mapped as the students will be able to depict the project outcome and future scope.
CO4	PO3	Strongly mapped as the students will be able to develop design methodologies for the system to be developed.


Ashwini Save
HOD, Computer Engg.



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VIVA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra and affiliated to the University of Mumbai)
 Computer Engineering Department
 Academic Year 2017 - 18

Course Name:-Programming with JAVA
 Course Duration:- 10th July 2017 to 14th July 2017

Sr. No.	Name of Student	Attendance Sheet							
		10/07/2017		11/07/2017		12/07/2017		13/07/2017	
		Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)
1	ANGWALKAR SABEL VIDAY	SA	SA	SA	SA	SA	SA	SA	SA
2	AREKAR VISHNUEE JAYWANT	SA	SA	SA	SA	SA	SA	SA	SA
3	BHALERAO ROHIT YASHWANT	SA	SA	SA	SA	SA	SA	SA	SA
4	CHAUDHARY SUHAS SATEESHPRAKASH	SA	SA	SA	SA	SA	SA	SA	SA
5	CHAUHAN ARUN MENB	SA	SA	SA	SA	SA	SA	SA	SA
6	CHATE SANKETA SHIRAD	SA	SA	SA	SA	SA	SA	SA	SA
7	DHARVE VISHAKHA ANIL	SA	SA	SA	SA	SA	SA	SA	SA
8	JOSHI VISHNU VIKAS	SA	SA	SA	SA	SA	SA	SA	SA
9	KAMBLE PRIYANKA UTHAS	SA	SA	SA	SA	SA	SA	SA	SA
10	SHILP VIKAS DNYANESHWAR	SA	SA	SA	SA	SA	SA	SA	SA
11	SHIVAD SHIVANI MANOHAR	SA	SA	SA	SA	SA	SA	SA	SA
12	SHI LAVA PALLAVI JOGA	SA	SA	SA	SA	SA	SA	SA	SA
13	CHAUDHARY VIKAS RAJESH	SA	SA	SA	SA	SA	SA	SA	SA
14	CHAVAN DEEPA SANJAY	SA	SA	SA	SA	SA	SA	SA	SA
15	DHARDE AMIT TRAKUR	SA	SA	SA	SA	SA	SA	SA	SA
16	DUBEY SHWETA UMASHANKAR	SA	SA	SA	SA	SA	SA	SA	SA
17	MAETHAK RAJESH PANKAJ	SA	SA	SA	SA	SA	SA	SA	SA
18	MISHRA RAHUL INDRAJEN	SA	SA	SA	SA	SA	SA	SA	SA
19	MURAYTEJA RAJNATH MUTHIA	SA	SA	SA	SA	SA	SA	SA	SA
20	NIKAM ABHISHEK SHASHIKANT	SA	SA	SA	SA	SA	SA	SA	SA



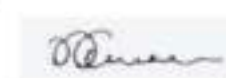
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 Affiliated to the University of Mumbai
 Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

CERTIFICATE OF PARTICIPATION

This is to certify that ROHIT YASHWANT BHALERAO
 attended a one-week course Program on "Programming with JAVA"
 organized by the Computer Engineering Department Of VIVA Institute of
 Technology from 10th July to 14th July 2017.



Prof. Ashwini Sane
H.O.D.



Dr. Arun Kumar
Principal





Academic Year 2017-18

Course name: - Natural Language Processing

Duration: - 10th July 2017 to 14th July 2017

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Pallavi Raut

Enrolled students: - 69

Course Objective:-

1. To teach students the leading trends and systems in natural language processing.
2. To understand the algorithms available for the processing of linguistic information and computational properties of natural languages.
3. To enable students to be capable to describe the application based on natural language processing and to show the points of syntactic, semantic and pragmatic processing.
4. To develop systems for various NLP problems with moderate complexity.
5. To learn various strategies for NLP system evaluation and error analysis.

Course Outcomes: -

After successful completion of the course, the students are able to

1. Understand approaches to syntax and semantics in NLP.
2. Understand approaches to discourse, generation, dialogue and summarization within NLP.
3. Demonstrate understanding of the relationship between NLP and statistics & machine learning.
4. Develop systems for various NLP problems with moderate complexity
5. Evaluate NLP systems, identify shortcomings and suggest solutions for these shortcomings

Course Schedule: -

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction & Syllabus What is Natural Language Processing?	NLTK, Python 3 and the Jupyter Notebook Introduction to HPC
2	Regular Expressions and Automata, Finite State Transducers and Morphology	Probabilistic models of spelling, N-grams
3	Tokenization, N-grams and Scriptio continua	Stemming and Lemmatization, Synsets and Hypernyms

4	POS Tagging and Stopwords	Text “Features” and TF-IDF Classification
5	Named Entity Recognition (NER)	Quiz

Report:-

Computer engg. department of VIVA Institute of Technology conducted a course on “Natural Language Processing” for Last year students. Total 69 students had been enrolled for this course.

This course was conducted by Prof. Pallavi Raut in order to provide knowledge of Natural Language Processing. This course is intended as a theoretical and methodological introduction to a the most widely used and effective current techniques, strategies and toolkits for natural language processing, with a primary focus on those available in the Python programming language. This was 30 hrs. certificate course.

During the course students learned basic of Natural Language Processing. Also students learned all concepts of Natural Language Processing like Regular Expressions and Automata, Finite State Transducers and Morphology and so on. Students practiced of all things concepts in the exercise session. All doubts and errors during programming were solved by the coordinator.

Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	-	2	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	1	-	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-
CO 5	-	-	-	3	-	-	-	-	-	-	-	-



Ashwini Save
HOD, Computer Engg.

A7-2017-18



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Computer Engineering Department

Attendance Sheet [2017-18]

Semester : VII / BE Natural Language Processing
Subject Incharge : 10th July - 14th July
Week/ Month :
Subject :

Roll No	Name	10/7	11/7	12/7	13/7	14/7	Quiz	Total
1	GUPTA SAKSHI SANJEEV	Good	Good	Good	Good	Good	Good	
2	SANGALE KAJOL SOMNATH	Sat	Sat	Sat	Sat	Sat	Sat	
3	MORE UJAVALA BHARAT	MB	MB	MB	MB	MB	MB	
4	LADDE SHRUTI PRAMOD	late	late	AB	late	late	late	
5	MAMIDIPELLI SWATI DATTATHREYA	no	no	no	no	no	no	
6	NAIK SIDDHI VASUDEO	NAIK	NAIK	NAIK	NAIK	NAIK	NAIK	
7	SHIV DHAR	Bhair	Bhair	Bhair	Bhair	Bhair	Bhair	
8	PEDNEKAR SUYOG	SP	SP	SP	AP	SP	SP	
9	BORAD KISHAN VALLABHBHAI	Kishan	Kishan	Kishan	Kishan	Kishan	Kishan	
10	SARKALE AISHWARYA ASHOK	AS	AS	AS	AS	AS	AS	
11	SHAH KATWANT ASHOKKUMAR	AB	AB	AB	AB	AB	AB	
12	CHAUDHARY ANANDE VISHWAMOHAR	Anand	Anand	Anand	Anand	Anand	Anand	
13	KHEDASKAR SAHIL VIJAY	Sahil	Sahil	Sahil	Sahil	Sahil	Sahil	
14	ROKADE MOHIT ARUN	Mohit	Mohit	Mohit	Mohit	Mohit	Mohit	
15	PATIL BHARGAV RAVINDRA	BB	BB	BB	BB	BB	BB	
16	CHAUDHARY HIMANSHU ARVIND	AB	AB	AB	AB	AB	AB	
17	VARTAK DARSHANA SHRIKANT	Darv	Darv	Darv	Darv	Darv	Darv	
18	TRIPATHI NIDHI UMASHANKAR	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	
19	RASAL SHEETAL VIJAY	Sheetal	Sheetal	AB	Sheetal	Sheetal	Sheetal	
20	RAO BHAYESH JEEVAN KUMAR RAO	Rao	Rao	Rao	Rao	Rao	Rao	
21	CHAU SAQLAIN	AB	AB	AB	AB	AB	AB	
22	SHENOY SARASWATI GANESH	SS	SS	SS	SS	SS	SS	
23	GHARAT SAMIKSHA MORESHWAR	Samiksha	Samiksha	Samiksha	Samiksha	Samiksha	Samiksha	
24	KAMBLE ROHINI ANIL	KB	KB	KB	KB	KB	KB	
25	TENDULKAR VINIT NARAYAN	Vinit	Vinit	AB	Vinit	Vinit	Vinit	
26	SONAVANE RAHUL MADHUKAR	R	R	R	R	R	R	
27	KAMBLE PRASHISH RAMAN	AB	AB	AB	AB	AB	AB	
28	BHAGAT RAJNARAYAN ARJUN	AB	AB	AB	AB	AB	AB	
29	GUPTA HARSHAD SURESH	Harshad	Harshad	Harshad	Harshad	Harshad	Harshad	
30	MISHRA NITYANAND AVDHESH	NM	NM	NM	NM	NM	AB	
31	PATIL ADINATH PRADIP	Pradip	Pradip	Pradip	Pradip	Pradip	Pradip	
32	RANE MANOJ PRAKASH	MR	MR	MR	MR	MR	MR	
33	DHAVDEKAR ANKIT NARESH	AB	AB	AB	AB	AB	AB	
34	PATIL RANJIT SHANKAR	SP	SP	SP	SP	SP	SP	
35	WANKHEDE SHREYAS SUDHIR	SS	SS	AB	SS	SS	SS	
36	SONAWANE SAGAR ROHIDAS	S.S.	S.S.	S.S.	S.S.	S.S.	S.S.	
37	PADWAL ABHISHEK BABURAO	AB	AB	AB	AB	AB	AB	
38	AGARKAR ANIKET SATISH	Aniket	Aniket	Aniket	Aniket	Aniket	AB	
39	GAJARE AKSHAY GANESH	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	
40	DEHA VSAR AKSHAY ANIL	AB	AB	AB	AB	AB	AB	
41	JAIR JETIN GOVINDANKUTTY	AB	AB	AB	AB	AB	AB	
42	WANKHEDE ABHISHEK RAVINDRANATH	AB	AB	AB	AB	AB	AB	



AY 2017-18



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Computer Engineering Department

Attendance Sheet

Semester : VII

Subject-Incharge : Natural Language Processing
10th July - 14th July

Week/ Month :

Subject :

Roll No	Name	10/7	11/7	12/7	13/7	14/7	14/7 Quiz	Total
43	MORE SUBODHAN BAPU	Subodh	Subodh	Subodh	Subodh	Subodh	Subodh	
44	MASAVE JAYESH JANU	Jayesh	Jayesh	Jayesh	Jayesh	Jayesh	Jayesh	
45	KADU MITESH RAMAN	AB	AB	AB	AB	AB	AB	
46	PHADKE AMEYA RAJENDRA	AP	AP	AP	AP	AP	AP	
47	HADGE CHINMAY SHRIKRISHNA	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay	
48	GAWADE AMOL VITTHAL	AMOL	AMOL	AMOL	AMOL	AMOL	AMOL	
49	BIHAMBAD DARSHANA	Darshan	Darshan	Darshan	Darshan	Darshan	Darshan	
50	FALEKAR RUCHITA	RF	RF	AB	RF	RF	RF	
51	SAURABH GIRIGOSAVI	SG	SG	SG	SG	SG	SG	
52	JADHAV SIDDHIKUMAR	J.S.	J.S.	J.S.	J.S.	J.S.	J.S.	
53	PATIL ADITYA NILAM	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	
54	PATIL SANISH TANAJI	SP	SP	SP	SP	SP	SP	
55	SHINDE PRIYANKA RAMCHANDRA	AB	AB	AB	AB	AB	AB	
56	GAIKWAD SONALI SURESH	Sonali	Sonali	Sonali	Sonali	Sonali	Sonali	
57	PAWAR SHIRUTI LAXMAN	SP	SP	SP	SP	SP	SP	
58	DHUMAL AMRUTA SUNIL	Amruta	Amruta	Amruta	Amruta	Amruta	Amruta	
59	SANKHE ANKITA MANOHAR	A.S.	A.S.	A.S.	A.S.	A.S.	A.S.	
60	PATIL SHUBHAM SUDHAKAR	AB	AB	AB	AB	AB	AB	
61	GUPTA SHIVAM SURESHCHANDRA	Gupta	Gupta	Gupta	Gupta	Gupta	Gupta	
62	DHANJAL GAGANDEEP SINGH	GD	GD	AD	GD	GD	GD	
63	BHAMBDEKAR SHRIDHAR SANTOSH	SB	SB	SB	SB	SB	SB	
64	YADAV JAY SUNIL	AB	AB	AB	AB	AB	AB	
65	SHEREGAR ABHISHEK SHASHIDHAR	A.S.	A.S.	A.S.	A.S.	A.S.	A.S.	
66	GHARAT SAGAR LAXMAN	Sagar	Sagar	Sagar	Sagar	Sagar	AB	
67	LAD ABHAY	Abhay	Abhay	Abhay	Abhay	Abhay	Abhay	
68	JAGTAP SWARANJALY SANDEEP	AB	AB	AB	AB	AB	AB	
69	PAWASKAR ANKITA RAJESH	AP	AP	AP	AP	AP	AP	
70	PANJARI VIRAJ	Viraj	Viraj	Viraj	Viraj	Viraj	Viraj	
71	PATIL KAUSHIK	KP	KP	KP	KP	KP	KP	
72	ISHWALKAR DARSHAN	AB	AB	AB	AB	AB	AB	
73	SAWANT NIKHIL	NS	NS	NS	NS	NS	NS	
74	HINDLEKAR SHARDUL	Shardul	Shardul	Shardul	AB	Shardul	Shardul	
75	DESHMUKH SHUBHANGI	DS	DS	DS	DS	DS	DS	
76	KARAN RITU SIYARAM	Ritu	Ritu	Ritu	Ritu	Ritu	Ritu	
77	KASAR POOJA LAXMAN	AB	AB	AB	AB	AB	AB	
78	SHIRSAT KAVITA KISHOR	K.S.	K.S.	K.S.	K.S.	K.S.	K.S.	
79	VISHWAKARMA RAVI	AB	AB	AB	AB	AB	AB	
80	MISTRY DEEP	Deep	Deep	Deep	Deep	Deep	Deep	
81	PATIL VARAD	Varad	Varad	Varad	Varad	Varad	Varad	
82	ASHTUNKAR VRUSHABH	VA	VA	VA	VA	VA	VA	
83	PINGALE JITENDRA	AB	AB	AB	AB	AB	AB	
84	SONAL CHAVAN	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	





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CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS AWARDED TO

Rilu Karan

for participation in One week Program on "Natural Language Processing"
organized by Computer Engineering Department of VIVA Institute of Technology
from 10th July 2017 to 14th July 2017



ASHWINI SAVE
HOD

DR. ARUN KUMAR
PRINCIPAL





Academic Year 2017-18

Course name: - Learning with Python
Duration: - 2nd Jan 2018 to 6th Jan 2018
Venue: - VIVA Institute of Technology
Co-ordinator: - Prof. Vinit Raut
Enrolled students: - 15

Course Objective:-

1. To create fully functional Python programs
2. To understand user input
3. To learn about loop structures and conditionals
4. To work with Python file handling

Course Outcomes: -

After successful completion of the course, the students are able to

1. Describe the basics of the Python programming language
2. Install Python and write first program
3. Use variables to store, retrieve and calculate information
4. Utilize core programming tools such as functions and loops
5. Explain the basic principles of Python programming language

Course Schedule: -

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction	Install Python and basic python program
2	Basic syntax , variables and strings	Lists, Tuples and Dictionaries. Exercise
3	If-else statements, For loop	While loop, Pass, break and continue Exercise
4	Understanding Functions	File handling – opening and reading
5	Classes and Objects	Exercise Quiz

Report:-

Computer engg. department of VIVA Institute of Technology conducted a course on "Learning with Python" for second and third year students. Total 40 students had been enrolled for this course.



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Vishwa Vastu Vishay Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Computer Engineering Department

This course was conducted by Prof. Vinit Raut in order to provide basic knowledge of Python programming. This was 30 hrs. certificate course.

During the course students learned how to install Python. They learned all the basic of python like variables, lists, strings. Also students study conditional statements and loops. This course also cover functions and file handling.

Students enjoyed the course and completed it successfully.

CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	-
CO4	-	-	3	2	-	-	-	-	-	-	1	1
CO5	-	3	-	-	-	-	-	-	-	-	1	1
	3	3	3	2	-	-	-	-	-	-	1	1

CO PO Justification: -

COs	POs	Justification
CO1	PO1	Strongly mapped as the students will be able to analyse the problem to be implemented using basics of Python.
CO2	PO1	Strongly mapped as the students will be able to identify the technique required to implement the problem.
CO3	PO3	Slightly mapped as the students will be able to find a solution for the problem identified.
CO4	PO3	Strongly mapped as the students will be able to find the relevant tools to implement the problem stated.
	PO4	Moderately mapped as the students will be able to find a feasible solution for the problem designed.
CO5	PO2	Strongly mapped as the students will be able to develop design methodologies for the system to be developed.

Ashwini Save
HOD, Computer Engg.



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Computer Engineering Department

Academic Year 2017 - 18

Course Name:- Learning With Python

Course Duration:- 2nd Jan 2018 to 6th Jan 2018

Attendance Sheet

Sr. No.	Name of Student	02-01-2018		03-01-2018		04-01-2018		05-01-2018		06-01-2018	
		Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)	Morning Session (9 to 12)	Afternoon Session (1 to 4)
1	PARAB ADITYA RAVINDRA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
2	PATANKWALA HAIDER HOZEFA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	PATEL HARDIK MOHAN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	PATIL CHIRAG PRAKASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	PATIL DEVESH ANIL	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	PATIL PARESH YASHWANT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	SHALERAJ ROHIT YASHWANT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	CHAUREY SUMAS SATYAPRAKASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	CHAUHAN ARJUN MUNIB	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	CHAUHAN ARJUN MUNIB	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	CHAVAN KETAN PRAVINBHAI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	GAWDE KAUSTUBH SHASHIKANT	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	GOKHAD RAHUL MOHAN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	GUPTA AKASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
15	LOKHANDE RUSHIKESH RAJU	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

Vinit Raut

Vinit Raut
Co ordinator





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Affiliated to the University of Mumbai

Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

CERTIFICATE OF PARTICIPATION

This is to certify that ADITYA RAVINDRA PARAB
attended a one-week course Program on "Learning with Python"
organized by the Computer Engineering Department Of VIVA Institute of
Technology from 2nd Jan to 6th Jan 2018.

Prof. Ashwini Save
H.O.D

Dr. Arun Kumar
Principal





Department of Electronics and Telecommunication Engineering

Name of Course: Nirman-Arduino Workshop

Duration: 30 hours/ 1 week

Day 1- Embedded System Basic (Working, Input devices & Programming Code):

Session 1: *Introduction, Hardware & Basic Programming*

- ✓ Introduction to basic of embedded system
- ✓ Introduction & explanation of microcontrollers
- ✓ Explanation of AVR ATmega 328 microcontroller
- ✓ Explanation of Arduino board & programming
- ✓ Basic Arduino based programs for interfacing i/o devices

Session 2:

- ✓ Introduction to output devices interfacing
 - **Project 1 :** LED blinking
- ✓ Introduction to input devices interfacing
 - **Project 2:** Push button interfacing
- ✓ Rotary encoder interfacing
 - **Project 3 & 4:**
 - i. More LEDs switching sequentially based on encoder input
 - ii. Bar graph sort of LED switching based on encoder input

Quiz

Day 2 - Digital & Analog Input Output Devices Interfacing

- Session 3:** ✓ Explanation for digital input devices





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- ✓ Explanation for analog input devices
- ✓ Introduction to temperature sensor and its working
- ✓ Basic programming for interfacing temperature sensor
 - **Project 5 :** Temperature sensor using LM35
- ✓ Introduction to relay
- ✓ Basic programming for interfacing relay
 - **Project 6:** Automatic temperature controller system
(soldering iron temperature control_simple on/off)

Session 4:

- ✓ Introduction to LDR sensor and its working
- ✓ Basic programming for interfacing LDR sensor
 - **Project 7 :** Light controlled switch
- ✓ Introduction to IR sensor and its working
- ✓ Basic programming for interfacing IR sensor
 - **Project 8 :** Detect presence of object and blink LED accordingly

Quiz

Day 3 - Advance Sensor (Ultrasonic, Hall Effect) and Serial Communication

Session 5:

- ✓ Introduction to ultrasonic sensor and its working
- ✓ Basic programming for interfacing of ultrasonic sensor
- ✓ Programming and conversion concept for the measurement
- ✓ Formulas for speed, distance & time for distance measurement using ultrasonic sensor
 - **Project 9 :** Distance Finder / Range Finder using Ultrasonic
- ✓ Explanation of working of stepper motor & motor driver
- ✓ Interfacing of stepper motor with motor driver & basic motor control program
 - **Project 10 :** Stepper Motor Rotation
- ✓ Introduction to Hall Effect sensor and its working





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- ✓ Basic programming for interfacing Hall Effect sensor

- **Project 11** : Stepper Motor Speed Detection

Session 6:

- ✓ Introduction to serial communication & its significance in embedded system
- ✓ Explanation of program for establishing serial communication for data transfer between computer & Arduino
 - **Project 12** : Send temperature data and distance measured by ultrasonic to serial port

Quiz

Day 4 - Visible Output, Keypad

Session 7:

- ✓ Introduction to a 7-Segment LED display
- ✓ 7-segment LED display interfacing & basic data display program
 - **Project 13** : Temperature indicator on 7 segment
- ✓ Introduction to LCD (16 X 2) & its working
- ✓ LCD Interfacing & Basic data display program
 - **Project 14** : Display temperature on LCD

Session 8:

- ✓ Introduction to matrix keypad & its working
- ✓ Concept of data line reduction & matrix concept
- ✓ Interfacing LCD & matrix keypad with Arduino
 - **Project 15** : LCD based GUI for user password registration and monitor

Project 16 Smart Door System

/ Product

Day 5 - Industry 4.0 and Project Guidance

Session 9:

- ✓ Tips for Project making
- ✓ Steps for designing a project
- ✓ Schematic designing tips





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- ✓ Project development phase
- ✓ Project functional block programming & output
- ✓ Doubt discussion
- ✓ Industry 4.0: The Fourth Industrial Revolution
- ✓ Certificates & Project Letters distribution for competition

Session 10:

Feedback





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Report

Nirman is to nurture and organize the young change makers to solve various societal challenges. It is an educational process to train the students to take up crucial issues and problems in the society. The focus in this course is to enable and equip the students to immediately start building Arduino enabled products. This was a 30hrs/1 week certificate course.

Students understood what an Arduino is and how it works, learned programming concepts using C and C++ along with Arduino specific programming, used a wide variety of hardware and components and prototype projects using a breadboard.

This 5 days Bridge course was conducted by Prof. Nutan Malekar from 4th July 2017 – 8th July 2017 in order to provide basic knowledge to students about an **Arduino** and how it works. It helped students to learn programming concepts using **C and C++** along with Arduino specific programming. The students understood how to use a **wide variety of hardware and components** and prototype projects using a breadboard.





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Course Objectives

Course Objectives

- ✚ To understand what an Arduino is and how it works
- ✚ To learn how to use an Arduino safely
- ✚ To program Arduino using code that have written in the Arduino IDE (Integrated Development Environment)
- ✚ To learn programming concepts using C and C++ along with Arduino specific programming
- ✚ To understand best practice concepts for programming and prototyping
- ✚ To use a wide variety of hardware and components and prototype your projects using a breadboard
- ✚ To build innovative project with Arduino

Course Outcomes:

- Students will be able to get new product or service ideas by hearing about needs in industry.
- Students will be able to receive large volumes of usable content within a compressed amount of time.
- Students will be able to get intensive exposure to a topic through presentations and discussions.
- Students will be able to achieve confidence and motivation for organising different events that improves the personality of a student.
- Students will be able to achieve confidence and motivation for participating in different events that improves the personality of a student.
- Students will be able to develop a connection that might help with future employment.





Department of Electronics and Telecommunication Engineering

CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
CO5	-	2	-	-	-	-	-	-	-	-	-	2
CO6	-	-	-	-	2	-	-	-	-	-	1	1.5
	2	2	-	-	2	2	-	-	-	-	1	





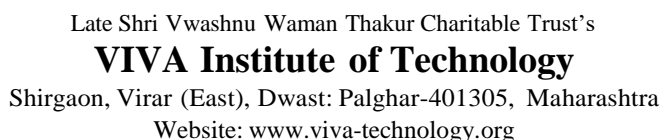
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Website: www.viva-technology.org



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Model Certificate





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Attendance Sheet:



VIVA Institute of Technology
At: Singapore, 1, North Bridge Road, #04-01, Singapore 049413, Malaysia
Website: www.viva-institute.com

Department of Electronics and Telecommunication Engineering

Attendance for certificate courses

Date	4 th July 2017	5 th July 2017	6 th July 2017	7 th July 2017	8 th July 2017
Topic	Intro to Arduino	Arduino Analog I/O interfacing	Arduino Analog I/O interfacing	Arduino Analog I/O interfacing	Arduino Analog I/O interfacing
No.	Session 1	Session 2	Session 3	Session 4	Session 5
Name of Participant	Session 6	Session 7	Session 8	Session 9	Session 10
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
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583	584	585	586	587	588
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823	824	825	826	827	828
829	830	831	832	833	834
835	836	837	838	839	840
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865	866	867	868	869	870
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877	878	879	880	881	882
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895	896	897	898	899	900
901	902	903	904	905	906
907	908	909	910	911	912
913	914	915	916	917	918
919	920	921	922	923	924
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943	944	945	946	947	948
949	950	951	952	953	954
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961	962	963	964	965	966
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973	974	975	976	977	978
979	980	981	982	983	984
985	986	987	988	989	990
991	992	993	994	995	996
997	998	999	1000	1001	1002
1003	1004	1005	1006	1007	1008
1009	1010	1011	1012	1013	1014
1015	1016	1017	1018	1019	1020
1021	1022	1023	1024	1025	1026
1027	1028	1029	1030	1031	1032
1033	1034	1035	1036	1037	1038
1039	1040	1041	1042	1043	1044
1045	1046	1047	1048	1049	1050
1051	1052	1053	1054	1055	1056
1057	1058	1059	1060	1061	1062
1063	1064	1065	1066	1067	1068
1069	1070	1071	1072	1073	1074
1075	1076	1077	1078	1079	1080
1081	1082	1083	1084	1085	1086
1087	1088	1089	1090	1091	1092
1093	1094	1095	1096	1097	1098
1099	1100	1101	1102	1103	1104
1105	1106	1107	1108	1109	1110
1111	1112	1113	1114	1115	1116
1117	1118	1119	1120	1121	1122
1123	1124	1125	1126	1127	1128
1129	1130	1131	1132	1133	1134
1135	1136	1137	1138	1139	1140
1141	1142	1143	1144	1145	1146
1147	1148	1149	1150	1151	1152
1153	1154	1155	1156	1157	1158
1159	1160	1161	1162	1163	1164
1165	1166	1167	1168	1169	1170
1171	1172	1173	1174	1175	1176
1177	1178	1179	1180</		



Department of Electronics and Telecommunication Engineering

Name of Course: VLSI Design & Embedded Systems

Duration: 30 hours/ 1 week

Date and Day	Time	Contents
26 December 2017	8.30 to 9.30	Breakfast, Regwastration and Inauguration
	9.30 – 11.30	Basics of VLSI and Introduction to Hardware Description Languages
	11.30 – 11.45	Tea Break
	11.45 – 12.45	Behavioral Modeling & Structural Modeling
	12.45-1.30	Lunch Break
	1.30 -4.30	Hands on practice - FPGA board
27 December 2017	9.00-11.00	Introduction to PLDs FPGA design Classification of IC Technologies
	11.00-11.15	Tea Break
	11.15-12.45	CPLD Architecture and 1 specific IC FPGA Architecture and 1 specific IC
	12.45 – 1.30	Lunch Break
	1.30 – 4.00	Testing of Logic circuits Hands on practice – FPGA board
28 December 2017	9.00-11.00	Introduction to Raspberry Pi its features
	11.00-11.15	Tea Break
	11.15-12.45	Basics of programming language use for Raspberry Pi
	12.45 – 1.30	Lunch Break
	1.30 – 4.00	Hands on practice – Raspberry Pi





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Department of Electronics and Telecommunication Engineering

29 December 2017	9.00-11.00	Basics of Embedded systems & recent trend
	11.00-11.15	Tea Break
	11.15-12.45	Embedded systems application
	12.45 – 1.30	Lunch Break
	1.30 – 4.00	PCB designing using Eagle software
30 December 2017	9-12.45	Basics of MOS Layout using micro wind software
	12.45-1.30	Tea Break
	1.30 – 4.00	Valedictory Session





Report

The objective of the Embedded Systems & VLSI Design course was to address the research, development and design problems and advance their solutions in VLSI circuits for embedded system and widespread computing applications. This course provides comprehensive coverage of VLSI Design and its hardware description languages while providing opportunities for Hands-on practical's on FPGA Board & Raspberry Pi.

This program dealt with the basic understanding, designing and simulation of the VHDL and Eagle software which provided practical exposure to the participants. The course aimed at equipping students with skills and knowledge in order to create a better society by guiding, training and motivating the students to take up research projects. This 5 days Bridgecourse was conducted by **Prof. Pratik Parsewar** from **26th December to 30th December 2017** in Electronics and Telecommunication Engineering Department, VIVA Institute of Technology.





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Department of Electronics and Telecommunication Engineering

Course Objectives

- To get familiarized with VLSI Design using VHDL.
- To learn about recent trends of research in field on Raspberry Pi and VLSI.
- After the completion of this course the participants will be able to design schematic and PCB Layout using Eagle software.
- Enhance the basic knowledge of Embedded Systems technology.

Course Outcomes:

- Students will be able to get familiarized with VLSI Design using VHDL.
- Students will be able to learn about recent trends of research in field on Raspberry Pi and VLSI.
- Students will be able to design schematic and PCB Layout using Eagle software.
- Students will be able to enhance the basic knowledge of Embedded Systems technology.





Department of Electronics and Telecommunication Engineering

CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
CO5	-	2	-	-	-	-	-	-	-	-	-	2
CO6	-	-	-	-	2	-	-	-	-	-	1	1.5
	2	2	-	-	2	2	-	-	-	-	1	





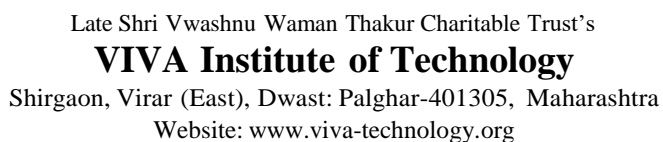
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Department of Electronics and Telecommunication Engineering

Attendance Sheet:





Department of Electronics and Telecommunication Engineering

[illegible]

Prof. ~~Pankaj~~ Parsekar





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Department of Electronics and Telecommunication Engineering

Model Certificate



Student Certificate:





Department of Electronics and Telecommunication Engineering

Name of Course: Software Workshop Duration: 30 hours

Module	Contents	Hours
1	Introduction Introduction to java, java buzzword, data types, dynamic initialization, scope and life time operators, control statements, arrays, type conversion and casting, finals & blank finals. Classes and Objects: Concepts, methods, constructors, usage of static, access control, this key word, Garbage collection, overloading, parameter passing mechanisms, nested classes and inner classes. Inheritance: Basic concepts, access specifies, usage of super key word, method overriding, final methods and classes, abstract classes, dynamic method dispatch, Object class.	8
2	Interfaces: Differences between classes and interfaces, defining an interface, implementing interface, Variables in interface and extending interfaces. Packages: Creating a Package, setting CLASSPATH, Access control protection, importing packages. Exception Handling: Concepts of Exception handling, types of exceptions, usage of try, catch, throw, throws and finally keywords, Built-in exceptions, creating own exception sub classes.	8
3	Strings: Exploring the String class, String buffer class, Command-linear arguments. Library: Date class, Wrapper classes. Multithreading: Concepts of Multithreading, differences between process and thread, thread life cycle, Thread class, Runnable interface, creating multiple threads, Synchronization, thread priorities, inter Thread communication, daemon threads, and deadlocks. I/O Streams: Streams, Byte streams, Character streams, File class, File streams.	8
4	Applets: Concepts of Applets, life cycle of an applet, creating applets, passing parameters to applets, accessing remote applet, Color class and Graphics Event Handling: Events, Event sources, Event classes, Event Listeners, Delegation event model, handling events.	6





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Department of Electronics and Telecommunication Engineering

Report

Duration: 8th Jan 2018 to 9th Apr 2018.

Venue: VIVA Institute Of Technology, Shirgaon.

Electronics & Telecommunication Engineering Department of VIVA Institute of Technology organized a 30 hours' certificate course on “**Software Workshop**” during **8th Jan 2018 to 9th Apr 2018.**

The workshop was basically aimed to provide basic knowledge to second year of semester 4– EXTC students of JAVA language which was conducted by **Mr. Kushal Suvarna sir** as the speaker who guided the participants.

The event was a success with very positive feedback from the participants. The speech by the Principal **Dr. Arun Kumar** was an inspiring one that covered the broad future scopes of the field. The Principal being an encouraging one who said that for such events where in student development is involved, he will always be supportive. In the speech given by **Mrs. Archana Ingle**, H.O.D of EXTC, students gained an idea of how this workshop can be utilized to take creative projects in the field of software.

Mr. Kushal Suvarna sir introduced themselves to the participants and enlightened them about the fantastic and intriguing field of **JAVA software** and narrated their various achievements and their future plans.





Department of Electronics and Telecommunication Engineering

Course Objectives

1. To understand the basic concepts and fundamentals of platform independent object oriented language.
2. To demonstrate skills in writing programs using exception handling techniques and multithreading.
3. To understand streams and efficient user interface design techniques.

Course Outcomes:

After successful completion of the course, the students are able to

- 1. Use the syntax and semantics of java programming language and basic concepts of OOP.
- 2. Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
- 3. Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.
- 4. Design event driven GUI and web related applications which mimic the real word scenarios.





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Department of Electronics and Telecommunication Engineering

CO-PO MAPPING

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	CO Target level
CO1	2	-	-	-	-	-	-	-	-	-	-	2
CO2	-	2	-	-	-	-	-	-	-	-	-	2
CO3	2	-	-	-	-	2	-	-	-	-	-	2
CO4	2	-	-	-	-	-	-	-	-	-	-	2
	2	2	-	-	2	2	-	-	-	-	-	





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Department of Electronics and Telecommunication Engineering

Model Certificate





Department of Electronics and Telecommunication Engineering

SE
SW

VIVA Institute of Technology
At: Shirgaon, Virar (East), Palghar District - 401305, Maharashtra
Department of Electronics & Telecommunication Engineering
Website: www.viva-technology.org
Semester: IV

ATTENDANCE RECORD

Report: S.W. / Rishab / Sushant

Name of Student / TOPIC COVERED	DATE	TIME	T
1. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
2. ANALOGUE COMMUNICATIONS	1/1/18	1:30	0
3. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
4. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
5. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
6. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
7. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
8. ANALOGUE COMMUNICATIONS	1/1/18	1:30	0
9. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
10. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
11. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
12. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
13. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
14. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
15. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
16. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
17. ANALOGUE COMMUNICATIONS	1/1/18	1:30	0
18. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
19. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
20. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
21. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
22. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
23. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
24. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
25. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
26. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
27. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
28. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
29. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
30. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
31. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
32. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
33. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
34. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
35. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
36. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
37. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
38. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
39. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
40. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
41. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
42. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
43. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
44. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
45. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
46. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
47. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
48. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
49. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
50. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
51. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
52. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
53. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
54. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
55. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
56. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
57. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
58. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
59. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
60. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
61. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
62. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
63. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
64. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
65. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
66. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
67. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
68. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
69. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
70. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
71. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
72. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
73. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
74. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
75. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
76. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
77. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
78. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
79. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
80. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
81. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
82. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
83. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
84. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
85. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
86. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
87. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
88. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
89. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
90. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
91. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
92. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
93. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
94. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
95. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
96. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
97. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
98. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
99. ANALOGUE COMMUNICATIONS	1/1/18	1:30	1
100. ANALOGUE COMMUNICATIONS	1/1/18	1:30	2
TOTAL STUDENTS PRESENT			
SIGNATURE OF SUBJECT INCHARGE			





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Department of Electronics and Telecommunication Engineering

Subject: S.W. (Network Analysis)

Attendance Record

Section: IV

Name of Student / TOPIC COVERED	DATE	TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	T	
1. NETWORK ANALYSIS	2/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	
2. NETWORK ANALYSIS	3/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
3. NETWORK ANALYSIS	4/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	
4. NETWORK ANALYSIS	5/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
5. NETWORK ANALYSIS	6/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	0	
6. NETWORK ANALYSIS	7/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	
7. NETWORK ANALYSIS	8/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	
8. NETWORK ANALYSIS	9/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	
9. NETWORK ANALYSIS	10/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	0	
10. NETWORK ANALYSIS	11/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	
11. NETWORK ANALYSIS	12/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
12. NETWORK ANALYSIS	13/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	
13. NETWORK ANALYSIS	14/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
14. NETWORK ANALYSIS	15/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
15. NETWORK ANALYSIS	16/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
16. NETWORK ANALYSIS	17/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
17. NETWORK ANALYSIS	18/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
18. NETWORK ANALYSIS	19/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
19. NETWORK ANALYSIS	20/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
20. NETWORK ANALYSIS	21/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
21. NETWORK ANALYSIS	22/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
22. NETWORK ANALYSIS	23/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
23. NETWORK ANALYSIS	24/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
24. NETWORK ANALYSIS	25/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
25. NETWORK ANALYSIS	26/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
26. NETWORK ANALYSIS	27/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
27. NETWORK ANALYSIS	28/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
28. NETWORK ANALYSIS	29/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
29. NETWORK ANALYSIS	30/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
30. NETWORK ANALYSIS	31/10	1:30	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	1	
TOTAL STUDENTS PRESENT																																		
SIGNATURE OF SUBJECT INCHARGE																																		

SUBJECT IN



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON, VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2017-18

Date: 30/06/2017

NOTICE


All the shortlisted students of Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of "Advance Solid Works" from 3rd July to 07th July 2017.


Timing:-

1st Session:- 9.00 am - 12. pm

2nd session:- 1.00 pm – 4.00 pm

Venue:- CAD CAM Lab


Prof. Tejas Chaudhari
Faculty Co-ordinator


Prof. Niyati Raut
HOD Mechanical



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 SHIRGAON, VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Syllabus & Course Outcomes

Course Name: **Advance Solid Works**

Academic Term: **July 2017 to Dec 2017**

Syllabus:

Module	Details	Hours
1	Sketching with SolidWorks: 2D Sketching, sketching entities and relations, 3D Sketching, Editing & its features, Dimensions, Sketch tool, Mirror, Convert entity, Move & Copy Part Modeling: Extrude and Cut extrude, Revolve and Sweep, View toolbar, Creating Reference geometries, Fillet and Chamfer, Hole wizard, Calculating weight/mass & other geometric properties, Export / Import of CAD files.	6
2	Advanced Part Modeling: Adding ribs and draft, Circular and rectangular pattern, Shell and Boss feature, Configuration and Design Tables, Material Library & Assigning Material, Library Features & Smart Fasteners, Boolean operations.	6
3	Assembly Mode: Getting started with Assembly, Inserting components in assembly, Top-Down Assembly, Feature Manager Design tree & Symbols, Hiding components & controlling transparency, Sub-Assemblies, Using mates in assembly, Use of Smart Fasteners, Bottom -Up Assembly, Interference detection and misalignment of holes, Exploding assemblies and adding explode lines.	6
4	Generating detail drawings from Model: Drafting overview, Drawing sheets and views, Adding drawing views, View settings and drawing properties, Smart Dimensioning, Annotations and Symbols, Sheet Formats and Templates, Ballooning for nomenclature, Adding Bill of Material and tables.	6
5	Surface Modeling / Sheet Metal: Introduction to surfacing tools, Sweep, Loft, Revolve, Offset etc., Filletting and trimming, Utilization of Sheet Metal & forming tools.	6



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON, VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Course Outcomes

Sr. No.	CO Code	Course Outcomes
1	CO_1	Visualize and prepare 2D & 3D modeling of a given object using solid works software.
2	CO_2	Build solid model of a given object using solid works software.
3	CO_3	Generate assembly models of given objects using assembly tools.
4	CO_4	Perform product data exchange among CAD systems.
5	CO_5	Build solid model of a given object using surface modeling.



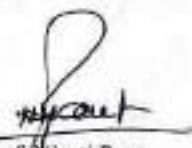
Late Shree Vishnu Vishnu Waman Charitable Trust's
VIVA Institute of Technology
 At: Shingon, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra.
 Department of Mechanical Engineering
VALUE ADDED COURSE - ADVANCE SOLID WORKS
 Academic Year : 2017-18

Course Duration : 3rd July to 7th July 2017

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			03/07/2017	04/07/2017	05/07/2017	06/07/2017	07/07/2017
1	ANSARI ALQAMIA MOHAMMADSHARIF HAJRA	SE	<i>Alqam</i>	A	A	<i>Alqam</i>	<i>Alqam</i>
2	BHOSALE VINAYA VIJAY SUMAN	SE	<i>Vinaya</i>	A	<i>Vinaya</i>	<i>Vinaya</i>	<i>Vinaya</i>
3	GADA DIPAM BIPIN REKHA	TE	A	A	<i>Dipam</i>	A	<i>Dipam</i>
4	JAIWAL SHAILESH RAM PRAYESH BINDU	TE	<i>Jaiwal</i>	<i>Prayesh</i>	<i>Jaiwal</i>	A	<i>Jaiwal</i>
5	NADAR ISAAC AYYADURAI MUTHUPILLAI	TE	A	<i>Isaac</i>	<i>Isaac</i>	<i>Isaac</i>	<i>Isaac</i>
6	PORIYA KRUSHNA BABULAL MANJULABEN	TE	A	<i>Krushna</i>	<i>Krushna</i>	<i>Krushna</i>	<i>Krushna</i>
7	SAVE AALAP KISHOR ROHINI	TE	<i>Save</i>	<i>Save</i>	<i>Save</i>	<i>Save</i>	<i>Save</i>
8	BAMANIA AMISH NARAYANDAS	BE	<i>Bamania</i>	<i>Bamania</i>	A	<i>Bamania</i>	A
9	CHHEDA MAYANK HIREN	BE	<i>Mayank</i>	<i>Mayank</i>	A	A	<i>Mayank</i>
10	HALGUNDE AKSHAY	BE	<i>Akshay</i>	A	<i>Akshay</i>	<i>Akshay</i>	<i>Akshay</i>
11	KADAM ABHISHEK DILIP	BE	<i>Kadam</i>	<i>Kadam</i>	<i>Kadam</i>	<i>Kadam</i>	<i>Kadam</i>
12	PATIL PRASAD RAMU	BE	<i>Prasad</i>	<i>Prasad</i>	<i>Prasad</i>	<i>Prasad</i>	<i>Prasad</i>
13	SABALE ANIKET PRAKASH	BE	<i>Aniket</i>	<i>Aniket</i>	<i>Aniket</i>	<i>Aniket</i>	A
14	SALASKAR GAURAV PRAKASH	BE	<i>Gaurav</i>	A	A	<i>Gaurav</i>	<i>Gaurav</i>
15	TAMBE CHINMAY	BE	A	<i>Chinmay</i>	<i>Chinmay</i>	<i>Chinmay</i>	<i>Chinmay</i>


 Prof. Tejas Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Niyati Raut
 H.O.D.
 (Mechanical Engineering Dept.)




Late Shree Vishnu Vishnu Waman Charitable Trust's
VIVA Institute of Technology
 At: Shingon, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra.
 Department of Mechanical Engineering
VALUE ADDED COURSE - ADVANCE SOLID WORKS
 Academic Year : 2017-18

Time: 1.00 pm to 4.00 pm

Course Duration : 3rd July to 7th July 2017

Sr. No.	Name of Students	Class	Date				
			03/07/2017	04/07/2017	05/07/2017	06/07/2017	07/07/2017
1	ANSARI ALQAMA MOHAMMADSHARIF HAJRA	SE	AmH	AmH	AmH	AmH	AmH
2	BHOSALE VINAYA VIJAY SUMAN	SE	A	Beta	A	Beta	Beta
3	GADA DIPAM BIPIN REKHA	TE	Om	Om	Om	Om	Om
4	JAIWAL SHAILESH RAM PRAVESH BINDU	TE	AmH	A	AmH	AmH	A
5	NADAR ISAAC AYYADURAI MUTHUPILLAI	TE	A	A	A	A	A
6	PORIYA KRUSHNA BABULAL MANJULABEN	TE	AmH	AmH	AmH	A	AmH
7	SAVE AALAP KISHOR ROHINI	TE	AmH	A	AmH	A	AmH
8	BAMANIA AMISH NARAYANDAS	BE	AmH	AmH	AmH	AmH	AmH
9	CHIHEDA MAYANK HIREN	BE	A	AmH	A	AmH	AmH
10	HALGUNDE AKSHAY	BE	A	AmH	AmH	AmH	A
11	KADAM ABHISHEK DILIP	BE	AmH	AmH	AmH	AmH	AmH
12	PATIL PRASAD RAMU	BE	AmH	AmH	AmH	AmH	AmH
13	SABALE ANIKET PRAKASH	BE	A.S.	A.S.	A.S.	A.S.	A.S.
14	SALASKAR GAURAV PRAKASH	BE	AmH	AmH	A	AmH	A
15	TAMBE CHINMAY	BE	AmH	AmH	A	AmH	AmH


 Prof. Tejas Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Nivati Raut
 H.O.D.
 (Mechanical Engineering Dept.)





Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Approved by AICTE New Delhi, DTE, Govt. of Maharashtra and Affiliated to
University of Mumbai
Shirgaon, Virar(E.), Dist. Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. GADA DIPAM BIPIN REKHA
has attended a **Short Term Training Program** on "ADVANCE SOLID WORKS" during the
period 3rd July - 7th July, 2017 at Department of Mechanical Engineering, VIVA Institute of
Technology, Shirgaon, Virar.

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2017-18

Date: 29/12/2017

NOTICE


All the shortlisted students of Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of "ANSYS (Engineering Simulation)" from 02nd January to 06th January 2018.


Timing:-

1st Session:- 9.00 am - 12. pm

2nd session:- 1.00 pm – 4.00 pm

Venue:- CAD CAM Lab


Prof. Tejas Chaudhari
Faculty Co-ordinator


Prof. Niyati Raut
HOD Mechanical



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING
Syllabus & Course Outcomes

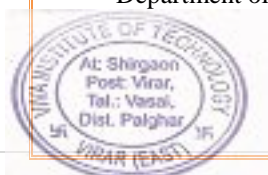
Course Name: **ANSYS (Engineering Simulation)**

Academic Term: **Jan 2018 to May 2018**

Syllabus:

Module	Details	Hours
1	Solid Modeling: An Overview of Solid Modeling Operations, Working with Boolean operations, Working Plane, Importing of 3D models.	4
2	Meshing: Free meshing or Mapped meshing, Setting Element Attributes, Selecting Element Type, Shape Function, Defining Element Types, Defining Section Properties, Assigning Element Attributes before meshing, Mesh Controls, The ANSYS Mesh Tool, Smart sizing, Meshing, Free Meshing, Mapped Meshing, Hybrid meshing, Mesh Extrusion, Volume Sweeping.	8
3	Boundary Conditions: Types of Loads, Applying loads. Solvers: Types of Solvers, Solver Setup, Load Step Options, Solving Multiple Load Steps.	6
4	Tips & Tricks: Using the Toolbar & Creating Abbreviations, Introduction to APDL, Using Parameters, Using the Start File, Using the Session Editor, Using Input Files.	4
5	ANSYS Workbench: Introduction to ANSYS Workbench, Graphical User Interface, Static Structural Analysis, Modal Analysis, Thermal Analysis, Contact Recognition.	8

Department of Mechanical Engineering; VIVA institute of technology, Shirgaon, Virar (East)



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Course Outcomes

Sr. No.	CO Code	Course Outcomes
1	CO_1	Apply basic aspects of Analysis to solve engineering problems.
2	CO_2	Select suitable meshing and perform convergence test.
3	CO_3	Apply basic aspects to solve engineering problems.
4	CO_4	Perform basics tricks and tips to solve engineering problems.
5	CO_5	Interpret the result.



Late Shree Vishnu Vishnu Waman Chintable Trust's
VIVA Institute of Technology
 At: Shergaon, Virar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ANSYS (Engineering Simulation)
 Academic Year : 2017-18

Course Duration : 2nd Jan to 6th Jan 2018

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			02/01/2018	03/01/2018	04/01/2018	05/01/2018	06/01/2018
1	GHARAT VARUN RAVINDRA SAROJ	SE	Varun	Varun	Varun	Varun	Varun
2	HASE NIKHIL BALASAHEB PRATIBHA	SE	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
3	PATIL NIHAR AJAY ARCHANA	SE	A	Nihar	A	Nihar	A
4	DALBANJAN PUSHPAK GOPAL SHOBHA	TE	A	Gopal	Gopal	Gopal	Gopal
5	KADAM GANESH BALASAHEB SEEMA	TE	@	@	A	@	@
6	KOLHE ANIKET KERUBHAU MEERA	TE	Aniket	Aniket	A	A	Aniket
7	GADA DIPAM BIPIN REKHA	TE	Dipam	Dipam	Dipam	A	Dipam
8	JAINWAL SHAILESH RAM PRAVESH BINDU	TE	Jaash	A	Jaash	Jaash	Jaash
9	AWERE SURAJ SURESH	BE	Suraj	Suraj	Suraj	Suraj	Suraj
10	BEHERE GAJANAN PRAMOD	BE	@	@	@	@	A
11	CHINDARKAR GAYENDRA VASUDEV	BE	Vasudev	Vasudev	A	Vasudev	A
12	MADAV MITESH	BE	A	M.D	A	M.D	M.D
13	DEVKATE NISHANT RAJARAM	BE	A	Nishant	Nishant	Nishant	Nishant
14	GHOSH PIJUSH SARIT	BE	PI.	PI.	PI.	PI.	PI.
15	RAUT SHREYANK PRAKASH	BE	Sh	Sh	Sh	Sh	Sh
16	SAWANT SHUBHAM RAVINDRA	BE	Shubh	A	Shubh	Shubh	A
17	NAIK AKHIL SADANAND	BE	Akhil	Akhil	Akhil	Akhil	Akhil
18	SUTHAR VIKESH KIRITBHAI	BE	Vikesh	Vikesh	A	A	Vikesh


 Prof. Tejas Chaudhari
 Faculty Coordinator
 (Mechanical Engineering Dept.)


 Prof. Niyati Raut
 HOD
 (Mechanical Engineering Dept.)



VIVA Institute of Technology

At: Shingam, Virar (East), Taluka-Vasai, Palghar District - 401301, Maharashtra

Department of Mechanical Engineering

VALUE ADDED COURSE - ANSYS (Engineering Simulation)


Academic Year - 2017-18

Course Duration : 2nd Jan to 6th Jan 2018

Time: 1.00 pm to 4.00 pm

Sr. No.	Name of Students	Class	Date				
			02/01/2018	03/01/2018	04/01/2018	05/01/2018	06/01/2018
1	GHARAT VARUN RAVINDRA SARGI	SE	A	A	A	A	A
2	HASE NIKHIL BALASAHEB PRATIDHA	SE	A	A	A	A	A
3	PATEL NIDAR AJAY ARCHANA	SE	A	A	A	A	A
4	DALBANDAN PUSHPAK GOPAL SHOBHA	TE	A	A	A	A	A
5	KADAM GANESH BALASAHEB SEEMA	TE	A	A	A	A	A
6	KOLHE ANIKET KERUBHAI MEERA	TE	A	A	A	A	A
7	GADGA DOPAM BIPIN REKHA	TE	A	A	A	A	A
8	JAINWAL SHAILESH RAM PRAVESH HINDU	TE	A	A	A	A	A
9	AWERE SURAJ SURESH	DE	A	A	A	A	A
10	BEHERE GAJANAN PRAMOD	DE	A	A	A	A	A
11	CHENDARKAR GAYENDRA VAHDEV	DE	A	A	A	A	A
12	MADAV MITESH	DE	A	A	A	A	A
13	DIVKATE NISHANT RAJARAM	DE	A	A	A	A	A
14	GROSH PULSHI SARIT	DE	A	A	A	A	A
15	RAUT SHREYANK PRAKASH	DE	A	A	A	A	A
16	SAWANT SHUBHAM RAVINDERA	DE	A	A	A	A	A
17	NAIK AKHIL SADANAND	DE	A	A	A	A	A
18	SUTHAR VIKESH KRISHNAJI	DE	A	A	A	A	A


 Prof. Tejendra Chaudhary
 Faculty Coordinator
 (Mechanical Engineering Dept.)


 Prof. Nitya Raut
 HOD
 (Mechanical Engineering Dept.)





Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE New Delhi, DTE, Govt. of Maharashtra and Affiliated to
University of Mumbai

Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. JAISWAL SHAILESH RAM PRAVESH BINDU
has attended a **Short Term Training Program** on "ANSYS (Engineering Simulation)" during the
period 2nd Jan – 6th Jan, 2018 at **Department of Mechanical Engineering, VIVA Institute of
Technology, Shirgaon, Virar.**

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

Late Shree Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (E)
Department of Mechanical Engineering

VIVA/VIT/MECH/STUDENT/2017-18

Date: 29/12/2017

NOTICE


All the shortlisted students of B.E. Mechanical Engineering are hereby informed to attend the Value Added Course organized by Department of Mechanical Engineering on the topic of "**Introduction to Ultrasonic Non Destructive Testing (UT) Method**" from 02nd January to 06th January 2018.

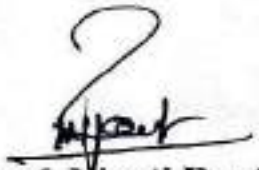
Timing:-

1st Session:- 9.00 am - 12.00 pm

2nd session:- 1.00 pm – 4.00 pm

Venue:- CAD CAM Lab


Prof. Tejas Chaudhari
Faculty Co-ordinator


Prof. Niyati Raut
HOD Mechanical



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING
Syllabus & Course Outcomes

Course Name: **Introduction to Ultrasonic Non Destructive Testing (UT) Method**

Academic Year: **2017-18**

Syllabus:

MODULE	DETAILS	HOURS
1	Module 1: Basic Principles of Non-Destructive Testing Definition and importance of NDT Types of NDT methods Visual testing (VT) Liquid penetrant testing (PT) Magnetic particle testing (MT) Eddy current testing (ET) Radiographic testing method (RT) Ultrasonic testing (UT) Comparison of different NDT methods	5
2	Module 2: Basic Ultrasonic Testing Advantages of Ultrasonic Tests Limitations of Ultrasonic Tests Criteria for Successful Testing	4
3	Module 3: Ultrasonic Waves in Materials Definition of Wave and Wave Properties Ultrasonic Attenuation Nonlinear Elastic Waves	5
4	Module 4: Implementation of Ultrasonic Testing Transmission and Reflection Techniques Ultrasonic Test Systems Ultrasonic Sources Typical Transducer Characteristics Through-Transmission Systems Pitch and Catch Contact Testing Amplitude and Transit Time Systems	8



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 SHIRGAON,VIRAR(EAST)
DEPARTMENT OF MECHANICAL ENGINEERING

	B-Scan Presentation C-Scan Presentation System Calibration Major System Parameters	
5	Module 5: Ultrasonic Testing Equipment Basic Ultrasonic Test Systems Portable Instruments Capabilities of General Purpose Ultrasonic Test Equipment Modular Ultrasonic Equipment Special Purpose Ultrasonic Equipment Operation in Large Testing Systems	8

Course Outcomes:

SR. NO.	CO CODE	COURSE OUTCOMES
1	CO_1	Apply basic aspects of Inspection to solve engineering problems.
2	CO_2	Understand the basic concept of Ultrasonic Testing.
3	CO_3	Identify the various Ultrasonic Waves in Materials.
4	CO_4	Understand an implementation of Ultrasonic Testing.
5	CO_5	Understand the concept of Ultrasonic Testing Equipment.




Course Duration : 2nd Jan to 6th Jan 2018

Time: 9.00 am to 12.00 pm

Sr. No.	Name of Students	Class	Date				
			02/01/2018	03/01/2018	04/01/2018	05/01/2018	06/01/2018
1	BHOLE MITHILESH D	BE	MB	AB	MB	MB	MB
2	BHOLE AISHWARYA RAJENDRA	BE	Bhale	Bhale	Bhale	Bhale	Bhale
3	CHAVAN GAURAV SHASHIKANT	BE	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
4	CHHEDA DEEP HITEN	BE	Deep	Deep	AB	Deep	Deep
5	DHOLE VISHAL SURESH	BE	Dh	Dh	Dh	Dh	Dh
6	GADE RUPAL LUKARAM	BE	AB	Gade	Gade	Gade	Gade
7	GADE SACHIN B	BE	Sachin	Sachin	Sachin	Sachin	Sachin
8	GAIKWAD HRISHIKESH ROHIDAS	BE	H	H	H	AB	H
9	GURAV MAHADEO	BE	G	G	G	G	G
10	JADHAV SWAPNIL MAHENDRA	BE	Jadhav	Jadhav	Jadhav	Jadhav	AB
11	JAIN HARSHAD GANESH	BE	Jain	Jain	Jain	Jain	Jain
12	JAMBHALE CHINMAY SANJAY	BE	J	J	J	J	J
13	KALAMBE NEHA	BE	Kalambe	Kalambe	Kalambe	Kalambe	Kalambe
14	KALE ABHIJIT MANOJ	BE	Kale	Kale	AB	Kale	Kale
15	KANNAJIYA SANJAY ACHHELAL	BE	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay
16	MORE DNYANESHWAR	BE	M	M	M	M	M
17	MORE SANYOG UDAY	BE	M	M	M	M	M
18	NAYEE HITESH KANUBHAI	BE	Hitesh	Hitesh	Hitesh	AB	Hitesh
19	PARTH PABARI	BE	Parth	Parth	Parth	Parth	Parth
20	PATIL PRATIK MAHENDRA	BE	Patil	Patil	Patil	Patil	Patil
21	PATIL SANDESH H	BE	Patil	AB	Patil	Patil	Patil
22	PATIL SANKET JAYANTA	BE	Patil	Patil	Patil	Patil	Patil
23	SANKHE MAYURESH DINESH	BE	S	S	S	S	S
24	SARAF MAHESH LALASO	BE	Saraf	Saraf	AB	Saraf	Saraf
25	SINGH DIVYANSH VIRENDRA	BE	S	S	S	S	S
26	SINGH PAWAN DIWAN	BE	S	S	S	S	S
27	WADKAR ANURAG NARAYAN	BE	Anurag	Anurag	Anurag	Anurag	Anurag
28	WANI ABHISHEK BALASAHEB	BE	Wani	AB	Wani	Wani	Wani
29	YADAV HARIKESH CHHATRADHARI	BE	Yadav	Yadav	Yadav	Yadav	Yadav
30	YADAV SUREETKUMAR	BE	Sy	Sy	Sy	Sy	AB


Prof. Tejas Chaudhari
Faculty Co-ordinator
(Mechanical Engineering Dept.)



Prof. Nishu Raut
H.O.D.
(Mechanical Engineering Dept.)



Sr. No.	Name of Students	Class	Date				
			02/01/2018	03/01/2018	04/01/2018	05/01/2018	06/01/2018
1	BHOIR MITHILESH D	BE	Blue	AB	Blue	Blue	Blue
2	BHOLE AISHWARYA RAJENDRA	BE	Blue	Blue	Blue	Blue	Blue
3	CHAVAN GAURAV SHASHIKANT	BE	Gaurav	Gaurav	Gaurav	Gaurav	Gaurav
4	CHHEDA DEEP HITEN	BE	Deep	Deep	AB	Deep	Deep
5	DHOLE VISHAL SURESH	BE	D	D	D	D	D
6	GADE RUPAL TUKARAM	BE	AB	Blue	Blue	Blue	Blue
7	GADE SACHIN B	BE	Sachin	Sachin	Sachin	Sachin	Sachin
8	GAIKWAD HRISHIKESH ROHIDAS	BE	H	H	H	AB	H
9	GURAV MAHADEO	BE	G	G	G	G	G
10	JADHAV SWAPNIL MAHENDRA	BE	Sachin	Sachin	Sachin	Sachin	Sachin
11	JAIN HARSHAD GANESH	BE	Harshad	Harshad	Harshad	AB	Harshad
12	JAMBHALE CHINMAY SANJAY	BE	J	J	J	J	J
13	KALAMBE NEHA	BE	Kalambe	Kalambe	Kalambe	Kalambe	Kalambe
14	KALE ABHJIT MANOJ	BE	Kale	Kale	AB	Kale	Kale
15	KANNAUJIYA SANJAY ACHHELAL	BE	Sanjay	Sanjay	Sanjay	Sanjay	Sanjay
16	MORE DNYANESHWAR	BE	AB	M	M	M	M
17	MORE SANYOG UDAY	BE	M	M	M	M	M
18	NAYEE HITESH KANUBHAI	BE	Hitesh	Hitesh	Hitesh	AB	Hitesh
19	PARTHA PABARI	BE	Parth	Parth	Parth	Parth	Parth
20	PATIL PRATIK MAHENDRA	BE	AB	Patil	Patil	Patil	Patil
21	PATIL SANDESH H	BE	Patil	Patil	Patil	Patil	Patil
22	PATIL SANKET JAYANTA	BE	Patil	Patil	Patil	Patil	Patil
23	SANKHE MAYURESH DINESH	BE	S	S	S	S	S
24	SARAK MAHESH LALASO	BE	Hitesh	Hitesh	AB	Hitesh	Hitesh
25	SINGH DIVYANSH VIRENDRA	BE	D	D	D	D	D
26	SINGH PAWAN DIWAN	BE	P	P	P	P	P
27	WADKAR ANURAG NARAYAN	BE	A.N.W	A.N.W	ANW	AN.W	AN.W
28	WANI ABHISHEK BALASAHEB	BE	Wani	AB	Wani	Wani	Wani
29	YADAV HARIKESH CHHATRADHARI	BE	Hari	Hari	Hari	Hari	Hari
30	YADAV SUJEETKUMAR	BE	Sy.	Sy.	Sy	Sy.	AB.



Prof. Tejas Chaudhari
Faculty Co-ordinator
(Mechanical Engineering Dept.)

Prof. Nirati Rout
H.O.D.
(Mechanical Engineering Dept.)



Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE New Delhi, DTE, Govt. of Maharashtra and Affiliated to
University of Mumbai

Shirgaon, Virar(E.), Dist: Palghar-401305, Maharashtra

CERTIFICATE

This to certify that Dr. / Mr. / Ms. PATIL PRATIK MAHENDRA
has attended a **Short Term Training Program** on **“Introduction to Ultrasonic Non Destructive Testing (UT) Method”** during the period 02nd Jan to 06th Jan, 2018 at **Department of Mechanical Engineering, VIVA Institute of Technology, Shirgaon, Virar.**

Mr. Tejas Chaudhari
(CO-ORDINATOR)

Mrs. Niyati Raut
(HEAD OF THE DEPARTMENT)

Dr. Arun Kumar
(PRINCIPAL)



VALUE ADDED COURSE

Name of Course:	Electrical Safety Practices	Branch:	Electrical Engineering
Duration:	30 Hours	Coordinator:	Prof. Piyali Mondal
Date of Commencement:	4 Jul 2017	Date of Conclusion:	4 Oct 2017

Course Outcomes	
Upon successful completion of the course, the student must be able to	
CO1	Understand the Indian power sector organization and Electricity rules, electrical safety in residential, commercial, agriculture, hazardous areas and use of fire extinguishers.
CO2	Outline the electrical safety during installation, testing, and commissioning procedures.
CO3	Make use of specifications of electrical plants and classification of safety equipment for various hazardous locations.
CO4	Distinguish various fire extinguishers and their classification.

Syllabus		
Unit No.	Contents	Hours
1	Introduction To Electrical Safety, Shocks And Their Prevention: Term and definitions, objectives of safety and security measures, Hazards associated with electric current and voltage, who is exposed, principles of electrical safety, Approach to prevent Accidents, the scope of subject electrical safety. Primary and secondary electrical shocks, possibilities of getting an electrical shock and its severity, medical analysis of electric shocks and its effects, shocks due to flash/ Spark over's, prevention of shocks, safety precautions against contact shocks, flash shocks, burns, residential buildings, and shop.	6
2	Overview of the Safety Model: Wiring and fitting, Domestic appliances, water tap giving a shock, shock from the wet wall, fan firing shock, multi-storied building, Temporary installations, Agricultural pump installation, Do's and Don'ts for safety in the use of domestic electrical appliances.	6
3	Electrical Hazards recognizing and Evaluating Preliminary preparations, safe sequence, the risk of plant and equipment, safety documentation, field quality, and safety, personal protective equipment, safety clearance notice, safety precautions, safeguards for operators, safety.	6
4	Controlling Hazards: Safe Work Environment: Hazardous zones, class 0, 1 and 2, spark, flashovers, and corona discharge and functional requirements, Specifications of electrical plants, equipment for hazardous	6



	locations, Classification of equipment enclosure for various hazardous gases and vapors, classification of equipment/enclosure for hazardous locations.	
5	Controlling Hazards: Safe Work Practices: Fundamentals of fire, initiation of fires, types; extinguishing techniques, prevention of fire, types of fire extinguishers, fire detection and alarm system; CO ₂ and Halogen gas schemes; foam schemes, Ladder safety fact sheet, Avoid wet working conditions and other dangers, Avoid overhead powerlines	6

Learning Resources	
Text Books:	
	1. Rao, S. and Saluja, H.L., “Electrical Safety, Fire Safety Engineering and Safety Management”, Khanna Publishers, 1988.
Reference Books:	
	1. Cooper. W.F, “Electrical safety Engineering”, Newnes-Butterworth Company, 1978. 2. John Codick, “Electrical safety handbook”, McGraw Hill Inc., New Delhi, 2000. 3. Nagrath, I.J., and Kothari, D.P., “Power System Engineering”, Tata McGraw Hill, 1998. 4. Wadhwa, C.L., “Electric Power Systems”, New Age International, 2004.



VIVA Institute of Technology, Virar

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SUBJECT: Electrical Safety Practices (ESP)

T.E. ELECTRICAL (2017-2018)

SUBJECT INCHARGE: Piyali Mandal

R. No.	Name	4/9/17	5/9/17	6/9/17	11/9/17	12/9/17	13/9/17	18/9/17	19/9/17	P	C	T
1	AMBHIRE SNEHAL MAHESH	SMP	SMP	SMP	SMP	SMP	SMP	SMP	SMP			
2	ASODARIYA JAYDEEP K.											
3	BAGUL ARSHAY VILAS	Aditi	Aditi	A	Aditi	Aditi	Aditi	Aditi	Aditi			
4	BARAT DIPAK NAVASHA											
5	BARI HIMALAY DAYARAM											
6	BHATT ANURAG K.											
7	BHAVSAR KAUSTUBH M.											
8	BHOSALE PRASAD LAXMAN	Prasad	Prasad	Prasad	A	Prasad	Prasad	Prasad	Prasad			
9	BONDRE HEMENDRA RAMESH											
10	CHOUHAN NISHANT R.											
11	DESAI RAMCHANDRA PUNAM	Prasadi	Prasadi	Prasadi	Prasadi	A	Prasadi	Prasadi	Prasadi			
12	DESAI SIDDHESH SURESH											
13	FAKIR ALISHA ABDULKADAR											
14	GARDI ADITI VILAS	Aditi	Aditi	Aditi	A	Aditi	A	Aditi	Aditi			
15	GAWDE HARSH PANDURANG											
16	GHOSALKAR MAYUR R.											
17	GODEKAR SIDDHESH SANTOSH	SSD	SSD	SSD	SSD	SSD	SSD	SSD	SSD			
18	GUPTA AJAY SHAMBHUNATH											
19	GUPTA DILIPKUMAR S.											
20	GUPTA RAHUL RAMPRASAD											
21	GUPTA ROHIT RAMDAYAL	Prasadi	Prasadi	A	Prasadi	Prasadi	Prasadi	A	Prasadi			
22	GURAV ANKET SANJAY											
23	HAZARE PRACHI	Prachi	Prachi	Prachi	A	Prachi	Prachi	Prachi	Prachi			
24	JAINWAR SUMIT SHIVKUMAR											
25	KADAM ADINATH SUBHASH	Adinath	Adinath	Adinath	Adinath	Adinath	Adinath	Adinath	Adinath			
26	KADAM TANMAY S.											
27	KAMBLE CHETAN VIJAY											
28	KAMBLE SANKET VITHAL											
29	KASBE SHARAD DAMU											
30	KHARDIKAR JAY BHASKAR	JBK	JBK	JBK	JBK	JBK	JBK	JBK	JBK			
31	KHOCHARE KRUNAL GANESH											
32	KP MEDHIL BALAN											
33	KUMAVAT MONALI RAJENDRA	MPK	A	A	MPK	MPK	MPK	MPK	MPK			
34	KUSHWAHA DEEPAK B.											
35	MAKAWA HARSH K.	Harshik	Harshik	Harshik	Harshik	Harshik	Harshik	Harshik	Harshik			
36	MANDAL GANESH ACHYUT											
37	MESTRY ABHISHEK MANOHAR											
38	MOHITE SHANTANU S.											
39	MURKUTE MOHIT SUDESH											
40	NAIK PRANALI PRAMOD	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali			
41	PANSARE SANDESH D.											
42	PARMAR GAURAV JITENDRA											
43	PATEL DEEP HEMANT											



VIVA Institute of Technology, Virar

SUBJECT:

T.E. ELECTRICAL (2017-2018)

SUBJECT INCHARGE:

R. No.	Name	30/7/17	6/8/17	13/8/17	20/8/17	27/8/17	3/9/17	10/9/17	P	C	T
	Time										
1	AMBURE SNEHAL MAHESH	SMA	A	SMA	A	SMA	SMA	SMA			
2	ANODARIYA JAYDEEP K										
3	BAGUL ARSHAY VILAS	Aditya	Aditya	Aditya	A	Aditya	Aditya	A	Aditya		
4	BARAT DIPAK NAVASHA										
5	BARI HIMALAY DAYAJI										
6	BIHAT ANURAG K										
7	BIHANSAR KAUSTUBH M										
8	BORHATE PRASAD LAXMAN	Prasadi	Prasadi	A	Prasadi	Prasadi	Prasadi	Prasadi			
9	BONDRE HEMENDRA RAMESH										
10	CHODHARI NISHANT D										
11	DESAI RAMCHANDRA PUNAR	Prasadi	A	Prasadi	Prasadi	Prasadi	Prasadi	Prasadi	A		
12	DESAI SIDDHESH SURESH										
13	FAKIR ALISHA ABDULKADAR										
14	GARDI ADITI VILAS	Aditi	A	Aditi	A	Aditi	Aditi	Aditi	Aditi		
15	GAWDE HARISH PANDURANG										
16	GHOSALKAR MAYUR R										
17	GODEKAR SIDDHESH SANTOSH	S.S.D	S.S.D	S.S.D	S.S.D	S.S.D	S.S.D	S.S.D	A		
18	GUPTA AJAY SHAMBINATH	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya		
19	GUPTA DILIPKUMAR S										
20	GUPTA RAHUL RAMPRASAD	Prasadi	Prasadi	A	Prasadi	A	Prasadi	Prasadi	Prasadi		
21	GUPTA ROHIT RAMDAYAL										
22	GURAV ANBET SANJAY										
23	HAZARE PRACHI	A	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi		
24	JAIWAR SUMIT SHIVKUMAR										
25	KADAM ADINATH SUBHASH	Adinath	Adinath	A	Adinath	Adinath	Adinath	Adinath	Adinath		
26	KADAM TANMAY S										
27	KAMBLE CHETAN VIJAY										
28	KAMBLE SANKET VITHAL										
29	KASBE SHARAD DAMU										
30	KHARDIKAR JAY BHASKAR	J.B.K	J.B.K	J.B.K	A	J.B.K	J.B.K	J.B.K	J.B.K		
31	KHOCHARE KUNAL GANESH										
32	KP MREDDHUL BALAN										
33	KUMAVAT NONALI RAJENDRA	A	M.P.K	M.P.K	M.P.K	M.P.K	M.P.K	M.P.K	M.P.K		
34	KUSHWAHA DEEPAK B										
35	MAKWANA HARDIK H	Hardik	A	Hardik	Hardik	Hardik	Hardik	A	A		
36	MANDAL GANESH ACTHYUT										
37	MESTRY ABHISHEK MANOHAR										
38	MOJALE SHANTANU S										
39	MURKUTE MOHIT SUDESH										
40	NAIK PRANALI PRAMOD	Pranali	Pranali	Pranali	A	Pranali	A	Pranali	Pranali		
41	PANSARE SANDESH D										
42	PARMAR GAURAV JITENDRA										
43	PATEL DEEPAK HIMANT										



VIVA Institute of Technology, Virar

SUBJECT:
SUBJECT INCHARGE:

T.E. ELECTRICAL (2017-2018)

Sl. No.	Name	18/17	10/8/17	11/8/17	19/8/17	5/9/17	6/9/17	11/9/17	12/9/17	P	C	T
1	AMBHIRE SNEHAL MAHESH	SMA	SMA	A	SMA	SMA	SMA	A	SMA			
2	ASODARIYA JAYDEEP K.											
3	BAGUL AKSHAY VILAS	Aditya	Aditya	A	Aditya	Aditya	Aditya	A	Aditya			
4	BARAT DIPAK NAVANHA											
5	BHARJINMALAY DAYARAM											
6	BHATT ANURAG K.											
7	BHAVSAR KAUJUBHIM											
8	BOHATE PRASAD LAXMAN	Prasad	A	Prasad	Prasad	Prasad	Prasad	Prasad	Prasad			
9	BONDRE HEMENDRA RAMESH											
10	CHOUHARI NISHANT R.											
11	DESAI RAMCHANDRA PUNAJI	Prasad	Prasad	Prasad	A	Prasad	Prasad	Prasad	A			
12	DESAI SIDDHESH SURESH											
13	FAKIR ALISHA ABDULKADAR											
14	GARDI ADITI VILAS	Aditi	Aditi	Aditi	A	Aditi	A	Aditi	Aditi			
15	GAWDE HARISH PANDURANG											
16	GHOSALKAR MAYUR R.											
17	GODEKAR SIDDHESH SANTOSH	SSD	SSD	SSD	SSD	SSD	A	A	SSD			
18	GUPTA AJAY SHAMBU NATHI											
19	GUPTA DEEPAKUMAR S.											
20	GUPTA RAHUL RAMPRASAD	Prasad	Prasad	Prasad	A	Prasad	Prasad	Prasad	Prasad			
21	GUPTA ROHIT RAMDAYAL											
22	GURAV ANIKET SANJAY											
23	HAZARE PRACHI	Prachi	A	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi			
24	JAISWAR SUMIT SHIVKUMAR											
25	KADAM ADINATH SUBHASH	Adinath	Adinath	A	Adinath	Adinath	Adinath	Adinath	Adinath			
26	KADAM TANMAY S.											
27	KAMBLE CHETAN VIJAY											
28	KAMBLE SANKET VIDAL											
29	KASBE SHARAD DAMU											
30	KHARDIKAR JAY BHASKAR	J.B.K	J.B.K	J.B.K	A	J.B.K	J.B.K	J.B.K	J.B.K			
31	KHOCHAR KRUNAL GANESH											
32	KP MKEDHUL BALAN											
33	KUMAVAT MONALI RAJENDRA	M.R.K	A	M.R.K	M.R.K	M.R.K	M.R.K	M.R.K	M.R.K			
34	KUSHWAHA DEEPAK S.											
35	MAKWANA HARDIK H.	Hardik	A	Hardik	A	Hardik	Hardik	Hardik	Hardik			
36	MANDAL GANESH ACHYUT											
37	MISTRY ABISHHEK MANOHAR											
38	MOHILE SHANFANU S.											
39	MURKUTE MOHIT SUBESH											
40	NAIK PRANALI PRANOD	Pranali	A	A	Pranali	Pranali	Pranali	Pranali	Pranali			
41	PANSARE SANDESH D.											
42	PARMAR GAURAV JITENDRA											
43	PATEL DEEP HEMANT											



VIVA Institute of Technology, Virar

SUBJECT:

T.E. ELECTRICAL (2017-2018)

SUBJECT INCHARGE:

R. No.	Name	13/9/17	14/9/17	20/9/17	21/9/17	27/9/17	28/9/17	3/10/17	4/10/17	P	C	T
1	AMBHIRE SNEHAL MAHESH	S.M.A	S.M.A	S.M.A	A	S.M.A	A	S.M.A	S.M.A			
2	ASODARIYA JAYDEEP K.											
3	BAGUL AKSHAY VILAS	Akshay	Akshay	Akshay	A	Akshay	Akshay	Akshay	Akshay			
4	BARAT DIPAK NAVASHA											
5	BARI HIMALAY DAYARAM											
6	BHATT ANURAG K.											
7	BHAVSAR KALSTUBH M.											
8	BOGHATE PRASAD LAXMAN	Prasad	Prasad	A	Prasad	A	Prasad	Prasad	Prasad			
9	BONDRE HEMENDRA RAMESH											
10	CHOUDHARI NISHANT R.											
11	DESAI RAMCHANDRA PUNAJI	Prasad	A	Prasad	Prasad	Prasad	A	Prasad				
12	DESAI SIDDHESH SURESH											
13	FAKIR ALISHA ABDUL KADAR											
14	GARDI ADITI VILAS	Aditi	A	Aditi	A	Aditi	Aditi	Aditi	Aditi			
15	GAWDE HARISH PANDURANG											
16	GHOSALKAR MAYUR R.											
17	GODEKAR SIDDHESH SANTOSH	S.S.D	S.S.D	S.S.D	S.S.D	S.S.D	S.S.D	S.S.D	S.S.D			
18	GUPTA AJAY SHAMBHUNATH											
19	GUPTA DIPKUMAR S.											
20	GUPTA RAHUL RAMPRASAD	Prasad	Prasad	Prasad	Prasad	A	Prasad	Prasad	Prasad			
21	GUPTA ROHIT RAMDAYAL											
22	GURAV ANIKET SANJAY											
23	HAZARE PRACHI	Prachi	A	Prachi	Prachi	Prachi	A	A	Prachi			
24	JAIWAR SUMIT SHIVKUMAR											
25	KADAM ADNA/TH SUBHASH	Adnath	Adnath	Adnath	A	Adnath	Adnath	Adnath	Adnath			
26	KADAM TANMAY S.											
27	KAMBLE CHETAN VIJAY											
28	KAMBLE SANKET VITHAL											
29	KASBE SHARAD DAMU											
30	KHARDIKAR JAY BHASKAR	J.B.K	J.B.K	J.B.K	J.B.K	A	J.B.K	J.B.K	J.B.K			
31	KHOCHARE KRUNAL GANESH											
32	KP MREDHUL BALAN											
33	KUMAVAT MONALI RAJENDRA	M.R.K	A	M.R.K	M.R.K	M.R.K	M.R.K	M.R.K	M.R.K			
34	KUSHWAHA DEEPAK B.											
35	MAKAWANA HARDIK H.	Hardik	Hardik	Hardik	Hardik	Hardik	A	Hardik	Hardik			
36	MANDAL GANESH ACHYUT											
37	MESTRY ABHISHEK MANOHAR											
38	MOHILE SHANTANU S											
39	MURKUTE MOHIT SUDESH											
40	NAIK PRANALI PRAMOD	Pranali	A	Pranali	Pranali	Pranali	Pranali	Pranali	Pranali			
41	PANSARE SANDESH D.											
42	PARMAR GAURAV JITENDRA											
43	PATEL DEEP HEMANT											



VIVA INSTITUTE OF TECHNOLOGY


(Affiliated to University of Mumbai; Approved by AICTE & DTE)

Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Godekar Siddhesh Santosh
of TE Electrical
has successfully completed value added course on
“ELECTRICAL SAFETY PRACTICES”
organized by
Department of Electrical Engineering
for A.Y. 2017-18 from 4th Jul 2017 to 4th Oct 2017.



Prof. Pivali Mondal
Course Coordinator



Prof. Bhushan Save
Head of Department



VALUE ADDED COURSE

Name of Course:	Printed Circuit Board (PCB) Designing	Branch:	Electrical Engineering
Duration:	30 Hours	Instructors:	Aadil Sheikh
Date of Commencement:	14 July 2017	Date of conclusion:	10 Nov 2017

Course Outcomes

Upon successful completion of the course, the student must be able to

CO1	To understand the requirements of designing a PCB using software.
CO2	To understand various components required for PCB design and their electrical ratings.
CO3	To use development tools for PCB designing
CO4	To understand design standards and flow charts

Syllabus

Unit No.	Contents	Hours
1	Introduction to PCB designing concepts: Introduction & Brief History: What is PCB, Difference between PWB and PCB, Types of PCBs: Single Sided (Single Layer), Multi-Layer (Double Layer), PCB Materials. Prototyping, eCAD and PCBs, Purpose and Intent, Equipment Computer Circuit Programming and Testing Hardware, PCB Component Hardware, Software, MPLAB X IDE and XC8 Compiler, Understanding the Walkthrough	6
2	Component introduction and their categories: Types of Components: Active Components, Passive Components Component Package Types: Axial lead, Radial Lead, Single Inline Package(SIP), Dual Inline Package(DIP), Transistor Outline(TO), Pin Grid Array(PGA), Metal Electrode Face(MELF), Leadless Chip Carrier (LCC), Small Outline Integrated Circuit(SOIC), Quad Flat Pack(QFP) and Thin QFP (TQFP), Ball Grid Array (BGA), Plastic Leadless Chip Carrier(PLCC)	6
3	Introduction to Development Tools: Introduction to PCB Design using OrCAD tool, Introduction to PCB Design using PROTEUS tool	6
4	Detailed description and practical of PCB designing	6



	PCB Designing Flow Chart, Description of PCB Layers, Keywords & Their Description, PCB Materials, Rules for Track, Study of IPC Standards	
5	Lab practice and designing concepts: Starting the PCB designing, Auto routing, PCB Designing Practice, Post Designing & PCB Fabrication Process, Testing and Troubleshooting Methods	6

Learning Resources	
Text Books:	
	1. Kraig Mitzner, "Complete PCB Design Using OrCad Capture and Layout", 2011
Reference Books:	
	1. "PCB Design for Real-World EMI Control (The Springer International Series in Engineering and Computer Science)" by James Drewniak and Bruce R Archambeault. 2. "PCB Design: Printed Circuit Board" by Michael Dsouza and Dsouza Michael



VIVA Institute of Technology, Virar

SUBJECT: Printed CB design (PCBD)

S.E. ELECTRICAL (Year - 2017-2018)

SUBJECT INCHARGE: Prof. Aadi Sheikh

R. No.	Name	14/11/17	14/11/17	14/11/17	21/11/17	28/11/17	28/11/17	4/12/17	11/12/17	P	C	T
	Time	2:30	3:30	2:30	3:30	2:30	7:30	2:30	7:30			
1	AGARWAL ABHISHEK PAWAN	A	A	A	A	A	A	A	A			
2	CHAUDHARI PRASAD PRADIP	P	P	P	P	P	—	P	P			
3	DEHERIKAR YASH NARESH											
4	DHANGAR ROHINI RAJENDRA	RD	RD	RD	RD	RD	RD	RD	RD			
5	GOUNDAR SHASHIDHARAN BALASUBRAMANIAN											
6	GUPTA PRAKASH MUSAFER											
7	GURAV SHUBHAM SANTOSH											
8	HARPALE AJAY CHANDRAKANT											
9	KOLEKAR KUSHAL VILAS											
10	KOLI NUTAN PRABHAKAR											
11	KORE DEWANG NAHENDRA	RD	RD	RD	—	RD	RD	RD	RD			
12	LOKE KAMLESH GANPAT											
13	MANDAVKAR ABHISHEK VASANT											
14	MUNGEKAR ASHISH CHANDRAKANT											
15	NAIK NEEHA ARVIND	nm	nm	nm	—	nm	—	nm	nm			
16	NAIK SUKANYA BHARAMU											
17	NAM PRANIT SHANKAR											
18	NANDLAL GUPTA											
19	NANDE KISHAN RAMCHANDRA	NP	NP	—	NP	—	NP	—	NP			
20	NIKAM ASHISH RAMANATH											
21	PANCHAL JATIN VINODKUMAR											
22	PASHE NIKITA DIPAK	NP	NP	NP	NP	—	NP	NP	NP			
23	PATEL PANKAJ BHAGWAN											
24	PATEL PRANALI VILAS											
25	PAWAR PRANALI JAGANNATH											
26	RANE PRATIMESH CHANDRASHEKAR											
27	RAUT ISHAN AMOL											
28	SAINDANE RASHTRAKAL RAJENDRA											
29	SHIVNEKAR VISHNU DAMODAR											
30	SINGH HEMANSHU PRASHANT											
31	SINGH PRINCE PINTU											
32	SOGALE OMKAR PRAMOD	SO	SO	SO	SO	SO	SO	SO	SO			
33	YADAV ROHIT PRABHAKAR											
34	YADAV SHAILENDRA RAJRANGI											
35	GUPTA GORI MOHAN											
36	JADHAV SAI ANIL	Soi	Soi	Soi	Soi	Soi	Soi	Soi	Soi			
37	JATWAL AMITKUMAR NAVALKISHORE											
38	KAR ANKIT RAJENDRAN											



VIVA Institute of Technology, Virar

SUBJECT: PICD

S.E. ELECTRICAL (Year - 2017-2018)

SUBJECT INCHARGE: Asstt. Chetk

R. No.	Name	11/8/17	12/8/17	13/8/17	14/8/17	15/8/17	16/8/17	17/8/17	18/8/17	19/8/17	20/8/17	P	C	T
	Time													
1	AGARWAL ABHISHEK PAWAN	A	A	A	A	A	A	A	A	A	A			
2	CHAUDHARI PRASAD PRADIP	A	A	A	A	—	A	A	A					
3	DEHERKAR YASHI KARESH													
4	DHANGAR KISHI RAJENDRA	PD	—	PD	PD	PD	—	PD	PD					
5	GOUDAR SHASHIDHARAN BALASUBRAMANIAN													
6	GUPTA PRAKASH MUSAFIR													
7	GURAV SHUBHAM SANTOSH													
8	HARPALE AJAY CHANDRAKANT													
9	KOLEKAR KUSHAL VILAS													
10	KOLI NUTAN PRABHAKAR													
11	KORE DEWANG MAHENDRA	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD			
12	LOKE KAMLESH GANPAT													
13	MANDAYKAR ABHISHEK VASANT													
14	MUNGEKAR ASHISH CHANDRAKANT													
15	NAIK NEERAJ ARVIND	mm	mm	—	mm	—	mm	—	mm	—	mm			
16	NAIK SUKANYA SHARAD													
17	NAIK PRANIT SHANKAR													
18	NANDEAL GUPTA													
19	NANDE KISHAN RAMCHANDRA	AP	—	AP	—	AP	—	AP	—	AP	AP			
20	NIKAM ASHISH RANGNATH													
21	PANCHAL JATIN VINODKUMAR													
22	PASRTE RIKITA DIPAK	AP	—	AP	—	AP	—	AP	—	AP	—			
23	PATEL PANKAJ BHAGWAN													
24	PATEL PRANALI VILAS													
25	PAWAR PRANALI JAGANNATH													
26	PANE PRATHMESH CHANDRASHEKHAR													
27	PAUT ISHAN AMUL													
28	SAINIDANE KASHITRAPAL RAJENDRA													
29	SHIVNEKAR YISHU DAMODAR													
30	SINGH HIRANSHU PRASHANT													
31	SINGH PRINCE PINTU													
32	SOGALE ONKAR PRAMOD	B	B	B	B	B	B	B	B	B	B			
33	YADAV ROHIT PRABHAKAR													
34	YADAV SHAILENDRA BAJRANGI													
35	GUPTA GORU MOHAN													
36	JADHAV SAI ANIL	Sci	Sci	—	Sci	—	Sci	—	Sci	Sci	—			
37	JAIWAL AMITKUMAR NAVALKISHORE													
38	NAIR ASHIT RAJENDRAN													



VIVA Institute of Technology, Virar

SUBJECT: PCB

S.E. ELECTRICAL (Year - 2017-2018)

SUBJECT INCHARGE: Acad. Shresh

R. No.	Name	15/9/17	15/9/17	22/9/17	29/9/17	13/10/17	13/10/17	20/10/17	20/10/17	P	C	T
	Time											
1	AGARWAL ADISHIEK PARWAN	A	A	A	A	A	A	A	—			
2	CHAUHAN PRASAD PRADIP	A	A	A	A	A	A	A	—			
3	CHHIBHAR YASH KAJESH											
4	CHANDAN ROHINI RAJENDRA	RD	RD	RD	—	RD	RD	—	RD			
5	CHANDAN SHASHI CHITARAN											
6	CHANDAN SHASHI CHITARAN											
7	CHANDAN SHASHI CHITARAN											
8	CHANDAN SHASHI CHITARAN											
9	CHANDAN SHASHI CHITARAN											
10	CHANDAN SHASHI CHITARAN											
11	KORE DEWANG MAHENDRA	RD	RD	RD	RD	—	RD	RD	RD			
12	LOKE KAMEESH GANPAT											
13	MANDAVKAR ADISHIEK YASANT											
14	MUNGEKAR ASHISH CHANDRAKANT											
15	NAIK NEELAJ ARVIND	m	—	m	—	m	m	m	m			
16	NAIK SUKANTA BHARAMJI											
17	NAM PRANIT SHUNAR											
18	NANDLAL GUPTA											
19	NANHE ROSHAN RANCHARDRA	A	—	A	A	A	A	—	A			
20	NICAM ASHISH RANGANATH											
21	PANCHAL JATIN VINODKUMAR											
22	PANDE NIKITA DEPAK	NP	—	NP	—	NP	—	NP	NP			
23	PATE PANKAJ BHAGWAN											
24	PATE PRANALI VILAS											
25	PAWAR PRANALI JAGANNATH											
26	RANE PRATIBHINI CHANDRASHIEKHAR											
27	RAUT ZHAN AMOL											
28	SAINDANE RASHITRAPAL RAJENDRA											
29	SHIVNEKAR VISHNU DAMODAR											
30	SINGH HIRANSHU PRASHANT											
31	SINGH PRINCE PIVU											
32	SOGALE OMKAR PRAMOD	A	A	—	A	A	A	A	—			
33	TADAY ROHIT PRASHAKAR											
34	TADAY SHAILENDRA BABURANGI											
35	GUPTA GURU MOHAN											
36	UDRAY SAI ANIL	Sai	Sai	—	Sai	Sai	—	Sai	—			
37	SAISWAL AMITKUMAR NAWALKISHORE											
38	NAIK ASHISH RAJENDRAN											



VIVA Institute of Technology, Virar

SUBJECT: PCA

S.E. ELECTRICAL (Year - 2017-2018)

SUBJECT INCHARGE: Asst. Prof. Dr. Shreshth

R. No.	Name	12/10/17	13/10/17	14/10/17	15/10/17	16/10/17	17/10/17	18/10/17	19/10/17	P	C	T
1	AGARWAL ABHISHEK PAWAS	A	A	A	A	A	A	A				
2	CHAUDHARI PRATEEK PRADIP	P	P	P	P	P	P	P				
3	DHAWAN YASH NARESH											
4	DHAWAN ROHINI RAJENDRA	RD	RD	RD	RD	—	—	RD				
5	GOHINDAR SHASHI CHANDAN											
6	GUPTA TIKESH MUSAFFIR											
7	GURAV SHUBHAM SANTOSH											
8	HARPALE AJAY CHANDRAKANT											
9	KOLEKAR KUSHAL VILAS											
10	KOLEKAR PRADHAKAR											
11	KORE DEWANG MAHENDRA	RD	—	RD	RD	RD	RD	—				
12	LOKE KAMLESH GANPAT											
13	MANDAVKAR ABHISHEK VARANT											
14	MUNGEKAR ASHISH CHANDRAKANT											
15	NAIK NIRAJ ARVIND	NR	NR	—	NR	—	NR	—				
16	NAIK SURANJAN DHARAMJI											
17	NAM PRANIT SHANKAR											
18	NANDAL GUPTA											
19	NANHE ROSHAN RAMCHANDRA	NR	—	NR	—	NR	NR	—				
20	NIRAM ANISH BANGANATH											
21	PANDHAR JATIN VIKRAMKUMAR											
22	PASRTE NIKITA DIPAK	NP	—	NP	NP	NP	NP	—				
23	PATEL PANKAJ BHAGWAN											
24	PATEL PRAMALI VILAS											
25	PAWAR PRANALI JAGANNATH											
26	RANE PRATHMESH CHANDRASEKHAR											
27	RAUT DEEPA AMOL											
28	SANDANE RASHTRAPAL RAJENDRA											
29	SHIVKAR VISHNU DAMODAR											
30	SINGH HIMANSHU PRABHANT											
31	SINGH PRINCE PINTU											
32	SOGALE CHAKR PRAMOD	S	S	S	—	S	S	—				
33	YADAV ROHIT PRADHAKAR											
34	YADAV SHALENDRA BAJRANG											
35	GUPTA GURU MOHAN											
36	JADHAV SAI ANIL	Sai	Sai	—	Sai	Sai	Sai	Sai	Sai			
37	JASWAL AMITKUMAR NAVALKISHORE											
38	NAIK ASHUT RAJENDRAN											



VIVA INSTITUTE OF TECHNOLOGY

(Affiliated to University of Mumbai; Approved by AICTE & DTE)

Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Naik Neeraj Arvind
of SE Electrical
has successfully completed value added course on
“Printed Circuit Board Design”
organized by
Department of Electrical Engineering
for A.Y. 2017-18 from 14th Jul 2017 to 10th Nov 2017.



Prof. Pratik Mahale
Course Coordinator



Prof. Bhushan Saye
Head of Department



VALUE ADDED COURSE

Name of Course:	ELECTRICAL INSTALLATION	Branch:	Electrical Engineering
Duration:	30 Hours	Instructors:	SUSHANT BANSAL
Date of Commencement:	24 JAN 2018	Date of conclusion:	10 April 2018

Course Outcomes	
Upon successful completion of the course, the student must be able to	
CO1	To understand practices followed in industries for safety of equipment and personnel.
CO2	To understand basic electrical and electronics concepts, devices and their electrical ratings.
CO3	To understand power transfer systems and their installation practices in industry
CO4	To understand documentation required for installation.

Course Objectives
The objective of this vocational course is to make students understand various installation practices followed in industries for electrical equipment. This course is designed to make students job-ready for the industry by instilling multiple skills in them like electrical drawing and reading, IEEE and IS standards followed in industries, documentation for industries, etc.

Syllabus		
Unit No.	Contents	Hours
1	Health and safety industry practices The regulations, laws and guidance documents associated with the electrical industry, Use equipment on a construction site, Follow safety procedures, practices and policies on construction sites, Carry out electrical safety procedures and practices, Understand environmental protection, structure and roles of individuals and organizations	6
2	Electrical science Understand direct current principles, Understand electromagnetic properties associated with devices under installation, Understand electronic components required for installation with data sheets and drawings.	6



3	Electrical installation Tools commonly used in electrical installation practices, Erect cable containment/management systems used in electrical installation, Install wiring systems and supports used in electrical installation activities, Install accessories and terminate using a range of connections.	6
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4	Power transfer technology Understand how electricity is supplied and the characteristics of consumer's equipment, Understand isolation and protection, Understand automatic disconnection of supply, Understand the principles of final circuits	6
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5	Technical documentation with clients Understand technical information with help of IEEE standards, manufacturer guidelines, Drawings used to plan electrical activities, Types of financial information, Types of handover information	6
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Learning Resources

Text Books:

1. Trevor Linsley, "Basic electrical installation work", 1989
2. J. B. Gupta, "A Course in Electrical Installation Estimating and Costing", 2013.

Reference Books:

1. Tarlok Singh, "Installation Commissioning & Maintenance Of Electrical Equipments", 2013
2. Brian Scaddan, "Electrical Installation Work", 2015



VIVA Institute of Technology, Virar

SUBJECT: *Valve after comp*
SUBJECT INCHARGE: *Sachin Soni*

B.E. ELECTRICAL (Year - 2017-2018)

Sl. No.	Name	07/2017	08/2017	09/2017	10/2017	11/2017	12/2017	01/2018	02/2018	P	C	T
1	BABAR SATEL HARSHKONDRA	an	an	an	an	an	an	an	an	7		
2	BANGERA SURAJ VASU											
3	BANKAR MAYURI ANAND											
4	BHUK PRATIK UNYANESHWAR	BP	BP	BP	BP	BP	BP	BP	BP	7		
5	CHAUDHAN CHANDRAPRAKASH											
6	CHAUHAN PAVAN	CP	CP	CP	CP	CP	CP	CP	CP	7		
7	CHAVAN KALPESH											
8	CHAVAN MEHUL ARIUN	CM	CM	CM	CM	CM	CM	CM	CM	7		
9	CHOKSI KARAN PARESH											
10	DAREKAR AKSHAY RAVINDRA											
11	DHAPSI SUNNY SAINATH	DS	DS	DS	DS	DS	DS	DS	DS	7		
12	DONGARKAR VIKAS VASANT											
13	DUREY SURYAPRAKASH J.											
14	GALA HIRAL VIRAM											
15	GAWANDE BHAVESH SUDHAKAR	GB	GB	GB	GB	GB	GB	GB	GB	7		
16	GOEL BHAVESH RAJESH											
17	GOHEL ABHISHEK ANIL											
18	GUPTA RAJ KUMAR KISHORE	GR	GR	GR	GR	GR	GR	GR	GR	7		
19	GUPTA ROHIT SHIVSHANKAR											
20	HEDGHITE AKSHAY SUNE											
21	JADAR AJAY SANDHU	JA	JA	JA	JA	JA	JA	JA	JA	7		
22	JADHAV HARSHAD											
23	JADHAV PAVAN SAGAR											
24	JANI KIRTI LABHSHANKAR BHAI											
25	JETHWA HETAL CHANDRAKANT	JB	JB	JB	JB	JB	JB	JB	JB	7		
26	JHA SURAJ KUMAR RAGHAVENDRA											
27	KAMBLE PRIYANKA											
28	KAMBLE SUNIT PRAJHAD											
29	KAMBLE VIJAYA											
30	KANDIA ATUL TUKARAM											
31	KAP VIDAY PRAKASH											
32	KARANGIYA AKSHAY HARDAS											
33	KHABNAR RUCHIRA DEEPA	KR	KR	KR	KR	KR	KR	KR	KR	7		
34	KHATERAR TRUPTI PRAKASH											
35	KORDE TUSHAR JAYWANT											
36	LADYA BHAVIK JAYSUKHBHAI											
37	LUMBACHIA KISAN GUNVANT	LS	LS	LS	LS	LS	LS	LS	LS	7		
38	LODHA HEENA KESHULAL											
39	MALI VIVEK NAMDEO											
40	MANE MANDAR SIDDHARTH											
41	MARDE AMEYA ANIL	MA	MA	MA	MA	MA	MA	MA	MA	7		
42	MARU VISHAL JAYANTILAL											
43	MAURYA VIVEK RAMMURTY											
44	MHATRE NEHA VIJAY	MP	MP	MP	MP	MP	MP	MP	MP	7		



45	MENHOL PUNIPASAL GANESH																			
46	METRE NADIM AMBICAL																			
47	MURKAR PRATHAMESH ANANT																			
48	MURKAR NITESH D																			
49	MURKAR ANKITA KISHOR																			
50	MURKAR JESNORA																			
51	MURKAR JNAL KANESH	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
52	MURKAR NIKUNJ CHANDRILAL																			
53	PATIL VINAY SHASHIKANT																			
54	PATIL DIBINA SANJAY																			
55	POKREY PRASAD SHAM																			
56	RAG VIVEK LAKSH	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
57	RATHOD RIMAN VIJAY																			
58	RATHOD YAMRAN TARACHAND																			
59	SAUT AYDNASH AJNATH																			
60	SABLE PRIYANKA ANIL																			
61	SALUNGE JYOTI DALASAHEB	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
62	SHAKH ANMAN DILAWAR																			
63	SHINDE SWAPNE SUNIL																			
64	SHIRSAT PRADAY MANOHAR																			
65	SHIRSAT RAHUL KAKASAHEB	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
66	SINGH CHARU RAMKUMAR																			
67	SONAWANE MAYURI SURESH																			
68	SREEDHARAN KIM KISHOR																			
69	TADGE YASRA SUDHAKAR																			
70	TAMORE MAYURI DIGAMBAR	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
71	TANDEL JAGRUT MAHENDRA																			
72	TELI PRASHANT MOHAN																			
73	TOSKAR GARGEE ARVIND																			
74	VANJARE DINKAR NARAYAN																			
75	VARANKAR TUSHAR SHANKAR	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
76	VARMA SUMIT BACHCHELAL																			
77	WAGHMORE SOMNATH DASHRATH																			
78	YADAV DILIPKUMAR																			
79	YADAV MANOJ BHAVANISHANKAR																			
80	YADAV PRADEEPKUMAR RAJDEV																			
81	ZAMBRE SAGAR RAJARAM	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
NO OF STUDENTS PRESENT		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

SUBJECT INCHARGE

Shirhan




VIVA INSTITUTE OF TECHNOLOGY

(Affiliated to University of Mumbai; Approved by AICTE & DTE)
Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Dhapsi Sunny Sainath
of BE Electrical
has successfully completed value added course on
“ELECTRICAL INSTALLATION”
organized by
Department of Electrical Engineering
for A.Y. 2017-18 from 8 FEB 2018 to 7 April 2018.



Course Coordinator



Head of Department





Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Shirgaon, Virar (E), Tal: Vasai, Dist: Palghar – 401 305.
CIVIL ENGG. DEPARTMENT



Course Name: Microsoft Project Manager

Academic Year: 17-18

Resource person: Ms. Ramya Raju

Conducted as per time table for the respective subject

Hours: 30

Objectives:

1. Plan for a project in detail
2. To use templates which creates projects in project 2017
3. To create, manage, schedule and track all the imputed resources
4. To create, manage, assign and track tasks of all inputted resources
5. To work with deadline and constraints
6. To use dependencies to help schedule tasks
7. To run reports

Course Outcomes

At the end of the course, learners will be able to understand:

1. The functions involved in software related to civil engineering projects.
2. How to prioritize tasks, define expectations and prepare schedule.
3. Will know tracking and managing resources throughout the project.
4. To create and tracking budgets and sharing calendars with the team.
5. Learn about risk management involved in project management.



**Chapter 1: An Introduction to Project Management..... 03hours**

Recognize when to use project management, role as a project manager is to deliver a project, communications, influence, and careful use of authority all play a major factor in the support you receive to complete the project, Project managers frequently find themselves with the challenge of adding new scope to a project with an already tight timeline. Typically, the job of the project manager is to work with their team to determine what this new scope will mean and how it will affect the project, building and tracking project schedules.

Chapter 2: The Microsoft Project User Interface..... 05 hours

To recognize best practices when running ms project for the first time, microsoft project user interface, the ribbon area icons, tabs, and access to the backstage, microsoft project scheduling engine, preparing a new project, estimating the project, ribbon actions (icons) you may need to perform within microsoft project, backstage is a full-screen area that allows you to open, save, share, and print your project, using views and tables

Chapter 3: The Microsoft Project Scheduling Engine06 hours

constraint based scheduling, calculates dates for you based on constraints you place on tasks and resources, critical path and user-controlled scheduling, user-controlled scheduling can effectively break the ability to identify the critical path because durations, start dates, and finish dates are not required when using this feature, configure project options, microsoft project offers many options for you to configure the user interface, scheduling engine, and task tracking for your project most of these options are located in the backstage using the options menu item.

Chapter 4: Preparing a New Project.....6 hours

Create a new project before you create a new project, make sure you have all the project options configured as you want them unless you have a unique reason to do otherwise, it is a good practice to start with a blank project configure a project





calendar learn the differences between the Microsoft project calendars and when to use them.

Chapter 5: Estimating the Project.....3 hours

Add tasks to the project, add durations to each task, add predecessors to each task to link tasks together, create the critical path, add resources to the project, create resource assignments, build a work breakdown structure, add costs to the project, add milestones to the project, add lag and review the critical path, adjust resource allocations.

Chapter 6: Tracking the Project.....2 hours

To create a baseline baselines, custom views and fields project reporting task status updates updating task status from your team and update the project progress. resource assignment status updates .

Chapter 7: Custom Views and Fields.....3 hours

To create custom views and tables views, create custom fields microsoft project, create graphical indicators when you create a custom field, further enhance it to use graphical indicators. these indicators allow you to display things like red, yellow, and green flag

Chapter 8: Project Reporting...2 hours

working with the timeline, multiple timelines in project 2016, 2019 and online, working with the reporting module, about agile projects, using the task board, using sprints, using project online desktop, tips and tricks conclusion go to goskills.com using boards and the gantt chart, sharing boards





Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 Shirgaon, Virar (E), Tal: Vasai, Dist: Palghar – 401 305.
CIVIL ENGG. DEPARTMENT



Late Shri Vishnu Waman Thakur Charitable Trust's
 VIVA Institute of Technology
 SHIRGAON, VIRAR (E)
 SUBVISED BY COURSE : MSP & PRIMAVERA
 ATTENDANCE SHEET 2017-18

Date : 03/07/2017

Subject : 2 hrs each

WED 10/07/2017

REMARKS: 2115 each

Name of Faculty: Raniya Raju

Duration: 10/7/2017 to 15/9/2017

NO.	Name of Student	10/7	11/7	12/7	13/7	14/7	15/7	16/7	17/7	18/7	19/7	20/7	21/7	22/7	23/7	24/7	25/7	26/7	27/7	28/7	29/7	30/7	31/7	1/8	2/8	3/8	4/8	5/8	6/8	7/8	8/8	9/8	10/8	11/8	12/8	13/8	14/8	15/8	16/8	17/8	18/8	19/8	20/8	21/8	22/8	23/8	24/8	25/8	26/8	27/8	28/8	29/8	30/8	31/8	1/9	2/9	3/9	4/9	5/9	6/9	7/9	8/9	9/9	10/9	11/9	12/9	13/9	14/9	15/9	16/9	17/9	18/9	19/9	20/9	21/9	22/9	23/9	24/9	25/9	26/9	27/9	28/9	29/9	30/9	31/9	TOTAL	AV. TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1	ADARSH KUMAR SINGH	Good	A	A	Good	Good	A	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good



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Shirgaon, Virar (E), Tal: Vasai, Dist: Palghar – 401 305.
CIVIL ENGG. DEPARTMENT



Name of the Course: Recent trends in Civil Engineering

AY: 2017-18

Course Duration: 30 hrs

Schedule

Date	Pre-Lunch (9am-12pm)	Post-Lunch (1pm-4pm)
26/06/2017	Ramya Raju	Akshay Mistry
27/06/2017	Lissy Jose	Monica More
28/06/2017	Akshay Mistry	Lissy Jose
29/06/2017	Ashish Shetty	
30/06/2017	Ramya Raju	Monica More

Day 01: Introduction to concrete trends on site

Session 01: Cube casting techniques as per IS codes

W/c ratio proportion as per IS codes and actually used

Varying size of aggregates and its disadvantages

Type of sand used for casting purpose

Session 02: Mix design as per IS codes

Mix design calculations and assumptions





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Day 02: Construction Management implementation

Session 01: flowchart of construction industry

Role of construction Supervisor

Session 02: Introduction to estimation in construction work

Planning for equipment

Day 03: Construction advance equipment's

Session 01: planning and process of equipment and methods

Required planning of equipment's

Session 02: Geotechnical materials, compaction and stabilization

Day 04: Water field Technologies

Day 05: Usage materials testing equipment

Session 01: Compression testing machine

Universal testing machine

Session 02: Abrasion test on aggregate

Impact value test on aggregate





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Report:

One week course was conducted by civil engineering faculty in order to provide basic knowledge about recent trends and upcoming methods in civil engineering to final year students. It has helped students to learn and understand the method of using various equipment's for various task on field.

Course Objectives:

1. To understand the knowledge of construction management
2. To learn about various methods in concrete technology
3. To learn how various equipments can be used
4. To learn how material testing equipments can be used
5. To understand water field technologies

Course outcomes:

1. Students will be able to understand how construction management methods can be used in various cases
2. Students will be able to understand various testing methods carried out according to material availability
3. Students will be able to understand where advance equipments can be used
4. Students will be able to operate various material testing equipments
5. Students will be able to analyze various water field technologies





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CO PO MAPPING

CO	Program Outcomes												CO target
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
C01	2												2
C02		2			2								2
C03		2									1		1.5
C04		2		2									2
C05		2		2									2
	2	2		2	2						1		





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DATE: 05/03/2018

NAME OF THE FACULTY: _____

SUBJECT: _____

ATTENDANCE SHEET 2017-18

Sl. No.	NAME OF THE STUDENT, TNO	26/6	27/6	28/6	29/6	30/6	30/6	31/6	31/6
78	JADHAV KANALI ANIL ANKITA	A	A	A	A	A	A		
79	JADHAV PRANAV PRASHANTH RALPANA	A	A	A	A	A	A		
80	JAIN VINAY ANAND KUMILATA	VA	VA	VA	VA	VA	VA		
81	JAINWAL PRAYAN MANU SAVITA	A	A	A	A	A	A		
82	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
83	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
84	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
85	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
86	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
87	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
88	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
89	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
90	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
91	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
92	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
93	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
94	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
95	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
96	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
97	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
98	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
99	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		
100	JAINWAL NIKHIL CHHAGANATH SHREYA	A	A	A	A	A	A		





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VIVA Institute of Technology
SHIRGAON, VIRAR (E)
B.E. DIV B CIVIL SEM VIII
ATTENDANCE SHEET 2017-18

Date: 05/01/2018
SHEET NO: _____

Ref: 05/01/2018
NAME OF THE FACULTY: _____

ROLL NO.	NAME OF THE STUDENT	26/6	27/6	28/6	29/6	30/6	PERIOD	CR	CR
1	DR. VANDANA KUMAR ANANDASHTH PRATIMA	JK	JK	JK	JK	JK			
2	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
3	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
4	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
5	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
6	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
7	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
8	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
9	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
10	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
11	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
12	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
13	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
14	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
15	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
16	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
17	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
18	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
19	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
20	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
21	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
22	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
23	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
24	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
25	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
26	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
27	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
28	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
29	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
30	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
31	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
32	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
33	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
34	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
35	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
36	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
37	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
38	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			
39	DR. VANDANA KUMAR ANANDASHTH PRATIMA	A	A	A	A	A			





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Shirgaon, Virar (East), Dist: Palghar – 401 303, Maharashtra



Certificate of Participation

This is to certify that Dr. / Mr. / Ms. Mehta Kaustubh has attended one week course on "*Recent trends in Civil Engineering*" organized by Civil Engineering Department from 26th June 2017 to 30th June 2017 at VIVA Institute of Technology, Shirgaon, Mumbai.

(Prof. Ramya Raju)
Co-ordinator

(Prof. Lissy Jose)
Head of Civil Engg Department

(Dr. Arun Kumar)
Principal



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Affiliated to the University of Mumbai
Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

DEPARTMENT OF FIRST YEAR ENGINEERING
ACADEMIC YEAR-2017-18

VALUE ADDED COURSE

NAME	SOFT SKILLS
DURATION	(1 WEEK) 30 HRS
DATE & TIME	2nd Jan to 6th Jan 2018/9.30am -12.30am and 1.30am -4.30am
RESOURCE PERSON	Mr. Prashant Pawar & Mrs. Trupti Patil

COURSE OBJECTIVE:

To help the future engineers to understand and implement soft skills in the work environment.

Aim: The course can help future engineers to improve their communication, problem-solving and presentation skills with an aim to land a better job.

SESSIONS ON SOFT SKILLS FOR FIRST YEAR ENGINEERING STUDENTS

Session 1.	Soft Skills and You
Session 2.	Interpersonal Communications
Session 3.	Leadership Management
Session 4.	Preparing for Employment
Session 5.	Group Discussion
Session 6.	Resume Building
Session 7.	Mock Interview
Session 8.	Presentation Skills
Session 9.	Communication at Workplace
Session 10.	Workplace Etiquette


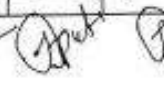


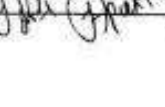


CO-ORDINATOR
PROF. Jayesh Jain




H.O.D
DR. Ajazul Haque

Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Academic Year: 2017-2018
First Year Engineering
Attendance for certificate courses

		2/1/2018		3/1/2018		4/1/2018		5/1/2018		6/1/2018	
		9:30 12:30	1:30 - 4:30	9:30 12:30	1:30 - 4:30	9:30 12:30	1:30 - 4:30	9:30 12:30	1:30 - 4:30	9:30 12:30	1:30 - 4:30
SR.NO.	Name Of Participant	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8	Session 9	Session 10
1	ATIGRE SWAGAT SHANKAR	Swagat	Swagat	Swagat	Swagat	Swagat	Swagat	Swagat	Swagat	Swagat	Swagat
2	BHISE JAY PRASHANT	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise
3	BHOIR HARDIK DAYANAND	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir	Bhoir
4	CHOLDHARY TEJAS MOTILAL	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas
5	CHOUGULE RITESH VILAS	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish
6	DARDE GAURANG PRAKASH	Darde	Darde	Darde	Darde	Darde	Darde	Darde	Darde	Darde	Darde
7	DENNIES RAJI THOMAS	Raji	Raji	Raji	Raji	Raji	Raji	Raji	Raji	Raji	Raji
8	DHADIWAL RITESH NANA	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish
9	GHOKE SAMEER BABURAO	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer	Sameer
10	GAVAND RITUL RAVINDRA	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish	Ritish
11	GURAV SWAPNIL PANDURANG	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
12	MAHADESHWAR PURVA PANDURANG	Purva	Purva	Purva	Purva	Purva	Purva	Purva	Purva	Purva	Purva
13	MAHINDRAKAR CHETAN CHANDRAKANT	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan	Chetan
14	MANE ADITYA PRASHANT	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane
15	PADVI POOJA VIJAY	PV	PV	PV	PV	PV	PV	PV	PV	PV	PV
16	PAI DISHANK DINESH	Dishank	Dishank	Dishank	Dishank	Dishank	Dishank	Dishank	Dishank	Dishank	Dishank
17	PAL RAHUL SHRIJAI	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
18	REPAL ONKAR SHIRISH	Onkar	Onkar	Onkar	Onkar	Onkar	Onkar	Onkar	Onkar	Onkar	Onkar
19	SARVANKAR ANAND DASHARATH	Anand	Anand	Anand	Anand	Anand	Anand	Anand	Anand	Anand	Anand
20	NEDUMATTOM ARUN BABU	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun
21	RANA ABHISHEK MUKESH	Rana	Rana	Rana	Rana	Rana	Rana	Rana	Rana	Rana	Rana
22	RANE YASH NILESH	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash
23	RATHOD VIKAS LALJIBHAI	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas
24	SALVI SHUBHAM SANJAY	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
25	TIRODKAR PRATHMESH GAJANAN	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh	Prathmesh
26	SHARMA VIKAS SOMDUTT	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas
27	SHETTY DEVASHISH PRAVIN	Devashish	Devashish	Devashish	Devashish	Devashish	Devashish	Devashish	Devashish	Devashish	Devashish
28	SINGH ADITYA SANTOSH	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya
29	CHAUHAN RAJENDRA SHIVNARAYAN	Rajendra	Rajendra	Rajendra	Rajendra	Rajendra	Rajendra	Rajendra	Rajendra	Rajendra	Rajendra
30	DANDEKAR CHINMAY	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay	Chinmay
Name & Sign of Speaker											



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CERTIFICATE OF PARTICIPATION

This is to certify that Mr. **SWAGAT SHANKAR ATIGRE**
attended one-week Program on "Soft Skills" organized by First Year Engineering
Department Of VIVA Institute of Technology from 2nd Jan to 6th Jan 2018.

Co-ordinator
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H.O.D
Dr. Ajazul Haque

