



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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1.2.1: Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

| Year | 2021-22 | 2020-21 | 2019-20 | 2018-19 | 2017-18 |
|---------------------------|---------|---------|---------|---------|---------|
| Courses offered | 13 | 01 | 15 | 15 | 15 |
| No. of students enrolled | 425 | 74 | 517 | 543 | 549 |
| No. of students completed | 425 | 52 | 517 | 543 | 548 |

Total number of courses offered during last five years = 59





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Reference Link

- 1) All Value added program certificate: - https://www.viva-technology.org/New/wp-content/uploads/2023/06/1.2.1-VAC_certificate-.pdf
- 2) All Value added program attendance sheet: - https://www.viva-technology.org/New/wp-content/uploads/2023/06/1.2.1-VAC_attendance.pdf
- 3) All Value added program Report: - https://www.viva-technology.org/New/wp-content/uploads/2023/06/1.2.1-VAC_Report.pdf

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|---------------|---|-----------------|
| 1 | Number of Add on/Certificate/ Value Added programs offered during A.Y. 2021-22 | 6-101 |
| 2 | Number of Add on/Certificate/ Value Added programs offered during A.Y. 2020-21 | 102-108 |
| 3 | Number of Add on/Certificate/ Value Added programs offered during A.Y. 2019-20 | 109-206 |
| 4 | Number of Add on/Certificate/ Value Added programs offered during A.Y. 2018-19 | 207-302 |
| 5 | Number of Add on/Certificate/ Value Added programs offered during A.Y. 2017-18 | 303-402 |





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List of Value added Courses offered during last five years.

| Sr. No | Year | Course Name | No. of student count attended |
|--------|----------|---|-------------------------------|
| 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 | 2020-21 | Learning Programming Using Python | 52 |
| 15 | 2019-20 | Programming with JAVA | 22 |
| 16 | 2019-20 | Learning with Python | 15 |
| 17 | 2019-20 | Machine Learning and Deep Learning | 51 |
| 18 | 2019-20 | OOP | 75 |
| 19 | 2019-20 | Nirman-Arduino Workshop | 16 |
| 20 | 2019-20 | MATLAB and Simulink for Research | 49 |
| 21 | 2019-20 | ADVANCE SOLID WORKS | 15 |
| 22 | 2019-20 | ANSYS (Engineering Simulation) | 15 |
| 23 | 2019-20 | Introduction to Magnetic Particle Non Destructive Testing (MT) Method | 30 |
| 24 | 2019-20. | ELECTRICAL INSTALLATION | 15 |
| 25 | 2019-20 | Printed circuit board design | 17 |
| 26 | 2019-20. | Electrical Safety Practices | 15 |
| 27 | 2019-20. | MSP & PRIMAVERA | 26 |
| 28 | 2019-20 | Emerging techniques in Civil Engineering | 126 |





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| | | | |
|----|---------|---|-----|
| 29 | 2019-20 | Soft Skills | 30 |
| 30 | 2018-19 | Programming with JAVA | 17 |
| 31 | 2018-19 | Learning with Python | 20 |
| 32 | 2018-19 | NETWORK SECURITY AND CRYPTOGRAPHY | 57 |
| 33 | 2018-19 | Nirman-Arduino Workshop | 26 |
| 34 | 2018-19 | PCB Design Workshop | 60 |
| 35 | 2018-19 | Research Methodology Tools | 73 |
| 36 | 2018-19 | ELECTRICAL INSTALLATION | 15 |
| 37 | 2018-19 | Printed circuit board design | 17 |
| 38 | 2018-19 | Electrical Safety Practices | 16 |
| 39 | 2018-19 | ADVANCE SOLID WORKS | 17 |
| 40 | 2018-19 | ANSYS (Engineering Simulation) | 15 |
| 41 | 2018-19 | Introduction to Radiography Non Destructive Testing (RT) Method | 30 |
| 42 | 2018-19 | MSP & PRIMAVERA | 22 |
| 43 | 2018-19 | Matlab | 128 |
| 44 | 2018-19 | Soft Skills | 30 |
| 45 | 2017-18 | Programming with JAVA | 20 |
| 46 | 2017-18 | Learning with Python | 15 |
| 47 | 2017-18 | Natural Language Processing | 69 |
| 48 | 2017-18 | SOFTWARE WORKSHOP | 54 |
| 49 | 2017-18 | Nirman-Arduino Workshop | 15 |
| 50 | 2017-18 | VLSI Design & Embedded Systems | 78 |
| 51 | 2017-18 | ADVANCE SOLID WORKS | 15 |
| 52 | 2017-18 | ANSYS (Engineering Simulation) | 17 |
| 53 | 2017-18 | Introduction to Ultrasonic Non Destructive Testing (UT) Method | 30 |
| 54 | 2017-18 | ELECTRICAL INSTALLATION | 15 |
| 55 | 2017-18 | Printed circuit board design | 10 |
| 56 | 2017-18 | Electrical Safety Practices | 16 |
| 57 | 2017-18 | MSP & PRIMAVERA | 26 |
| 58 | 2017-18 | Recent trends in Civil Engineering | 138 |
| 59 | 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 Rout | 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 BHUSAN BANTONI | Bhusan | Bhusan | Bhusan | Bhusan | Bhusan | Bhusan | Bhusan | Bhusan | Bhusan | Bhusan |
| 9 | SHI KISHORE 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 PRANOD | 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 |



Late Shri. Vishnu Waman Thakur Charitable Trust'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 IoT fundamentals IOT Architecture and protocols |
| 3 | 1.15 – 4.30 | Overview of IoT components and IoT 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

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, 1987, Dept. of Information and Communication Technology, Ministry of Education, Government of India)

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 PUSAR | 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 | SIDHESH RANE | Rane | Rane | Rane | Rane | Rane | Rane | |
| 9 | YASHI PATIL | Patil | Patil | Patil | Patil | Patil | Patil | |
| 10 | ABHISHEK IRWALKAR | Asi | Asi | A | Asi | Asi | Asi | |
| 11 | SAGAR CORLE | Sg | Sg | Sg | Sg | Sg | Sg | |
| 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 | Hehil | Hehil | Hehil | Hehil | Hehil | Hehil | |
| 17 | SUYASH KOLTHARKAR | Suyash | Suyash | Suyash | Suyash | Suyash | Suyash | |
| 18 | ANIT GUPTA | Ani | Ani | Ani | Ani | Ani | Ani | |
| 19 | MALIKAMLESH RAMSHEKHAR | A | A | A | A | A | A | |
| 20 | KEMAR KARAN KENTANKAR | A | A | A | A | A | A | |
| 21 | MARTIN BALAJI SUBHASH | A | A | A | A | A | A | |
| 22 | MANTRI BHAGAT | MBhagat | MBhagat | MBhagat | MBhagat | MBhagat | MBhagat | |
| 23 | BODHINA THIRICHANE | Bhichane | Bhichane | Bhichane | Bhichane | Bhichane | Bhichane | |
| 24 | SUWETA JHA | Sueta | Sueta | Sueta | Sueta | Sueta | Sueta | |
| 25 | SAMIKSHA JANJAY MUDHARKAR | Smiksha | Smiksha | Smiksha | Smiksha | Smiksha | Smiksha | |
| 26 | ANITI SANTOSH MORE | Ani | Ani | Ani | Ani | Ani | Ani | |
| 27 | SEDHITA SUBHASH SALUNKHE | SS | SS | SS | SS | SS | SS | |
| 28 | DEVESHREE VIJAY KADU | Dev | Dev | Dev | Dev | A | Dev | |
| 29 | HARSHITA BAGO JADHAV | HJadhav | HJadhav | HJadhav | HJadhav | A | HJadhav | |
| 30 | YOGALI SANTOSH PATIL | Yogali | Yogali | Yogali | Yogali | Yogali | Yogali | |
| 31 | SANKET INSALE | A | A | A | A | A | A | |
| 32 | RITIK KILASATNOL | A | A | A | A | A | A | |
| 33 | NTESH YASHIYA | 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 | |
| 37 | CHIRI VINI BIPIN | Chir | Chir | Chir | Chir | Chir | Chir | |





Semester : VIII

Week/ Month:

Subject : Software

Subject :

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



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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





Department of Electronics and Telecommunication Engineering

- ✓ 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.





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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:

[illegible]



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.





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
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.





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

Attendance Sheet:

Bridge course on "Skill based Laboratories" 21-22

Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
 An. Bologan, Yavatpur, Taluka Vav, Pimpri District - 412205, Maharashtra
Academic Year: 2021-22
 (B.Tech) - 1st Sem
 Subject: _____

Date: _____

| Topic covered | | Date and Time | | | | | | | | | | | | | | | | | | | |
|---------------------|---------------|---------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| Topic | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Name of the Student | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 2 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 3 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 4 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 5 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 6 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 7 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 8 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 9 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 10 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 11 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 12 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 13 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 14 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 15 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
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| 19 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 20 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 21 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 22 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 23 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 24 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 25 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 26 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 27 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 28 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 29 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 30 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 31 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 32 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 33 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 34 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |
| 35 | ANAND LAKSHMI | | | | | | | | | | | | | | | | | | | | |

K. S. HADGAONKAR



Department of Electronics and Telecommunication Engineering

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|
| 1 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | ANAND KUTUMBI SHIVAJI KUMAR | 80 | 75 | 70 | 65 | 60 | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Total present students: 24

Signature of subject incharge: _____



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VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401303, 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 |
|----------|--|-----------|



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: Shirgaon, 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>Anand</i> | <i>Anand</i> | <i>Anand</i> | <i>Anand</i> | <i>Anand</i> |
| 3 | DEVGANIA RUCHIK BABU MANJU | TE | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| 4 | NAIR RAJKIRANKUMAR 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 Shirgaon, Vilar (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 | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| 2 | MAURYA ANANDKUMAR GANESH SARDI 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 MANISHA | TE | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| 6 | PATIL VAISHNAVI MANOJAR 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 ATHARVA 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 SIDDHESH 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. Tejendra Chaudhari
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)

[Signature]
 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



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 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: Shirgaon, 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: Shirgaon, 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
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 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. 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 |



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

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 | PP | PP | PP | PP | PP |
| 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 | BHUVANG 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 | BAHVEKONAD PRASAD PRAPI | | | | | | | | | | |
| 3 | CHANDANI PRADIP PRACASH RAGHANA | | | | | | | | | | |
| 4 | CHANDANADASHISH 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 | CHODUR AMESHA DNYANESHVAR SANGOTA | | | | | | | | | | |
| 6 | CHITABARA 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 | CHAWADE KALINA GOVIND IVOTI | | | | | | | | | | |
| 11 | CHHAT NITESH DINESH DDA | | | | | | | | | | |
| 12 | CHHILE ADITI SURYAKANT SONAL | | | | | | | | | | |
| 13 | CHITANI SUYASH MANOHAR MITALI | | | | | | | | | | |
| 14 | GUPTA AVINASHKUMAR DEKALAL | | | | | | | | | | |
| 15 | GUPTA HARSHAL BHULAN PNEY | <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 PRUTHI GULSHRIPRASAD 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 DASHISH MANU | | | | | | | | | | |
| 18 | HARPARA ANKIT RAJESH | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | | |
| 19 | JADHAV SAMESHA KIRAN | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | | |
| 20 | JADHAV SIDDHI ANIL ANKITA | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</i> | <i>BT</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 KUNAL VELAS RANJANA | | | | | | | | | | |
| 27 | KUMBHAR VRUSHALI BHALACHANDRA | | | | | | | | | | |
| 28 | LAGE NITESH DINESH HETAN | | | | | | | | | | |
| 29 | LONG KANESH GANPAT GEETANALI | | | | | | | | | | |
| 30 | MADHYA MELAN KISHOR RAJESH | <i>MM</i> | <i>MM</i> | <i>MM</i> | <i>MM</i> | <i>MM</i> | <i>MM</i> | <i>MM</i> | <i>MM</i> | | |
| 31 | MARWALA PRATIK RUPY RANJAN | <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 | MARJURKAR SACHIN DUNKAR YASHALI | | | | | | | | | | |
| 33 | MEDHATYAT SHEETAN RAYENDRA | | | | | | | | | | |
| 34 | MURDOKAR ANKUSH SANTAY SERAL | | | | | | | | | | |
| 35 | MURDOKAR MEERA RINA | <i>MM</i> | <i>MM</i> | <i>MM</i> | <i>MM</i> | <i>MM</i> | <i>MM</i> | <i>MM</i> | <i>MM</i> | | |
| 36 | ODHA VIDAL DEEPCANT MEENA | | | | | | | | | | |
| 37 | PACHARJURKAR ASHESHKUMAR ASHOK | | | | | | | | | | |
| 38 | PADVE ADESHAT ARJUN ASMITA | | | | | | | | | | |
| 39 | PANCHAL JATIN VINODKUMAR HANSA | | | | | | | | | | |
| 40 | PANDE SHARAD DINESH SUNITA | | | | | | | | | | |
| 41 | PANDE POOJA KUNAL KANAL | | | | | | | | | | |
| 42 | PATE DAESHAT BHALCHANDRA | | | | | | | | | | |
| 43 | PATE OMKAR VIDAY SUKHANA | | | | | | | | | | |
| 44 | PATE PAYAL SUNIL SMITA | <i>PP</i> | <i>PP</i> | <i>PP</i> | <i>PP</i> | <i>PP</i> | <i>PP</i> | <i>PP</i> | <i>PP</i> | | |
| 45 | PATE RUSHIKESH KUNAL KAVITA | | | | | | | | | | |
| 46 | PATE SANKHIT GOPAN SEEMA | | | | | | | | | | |
| 47 | PAWAR PRADIP RANJAN CHANDRA NARDA | <i>PP</i> | <i>PP</i> | <i>PP</i> | <i>PP</i> | <i>PP</i> | <i>PP</i> | <i>PP</i> | <i>PP</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> | | |



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 | BHARDWAJ PRADIP PRADIP RANGANA | | | | | | | | | | |
| 4 | SHARADA ASHISH MAHESH MITA | BT | BT | BT | BT | BT | BT | BT | BT | | |
| 5 | BHOZE AMISHA DNYANESHWAR SAMOTA | | | | | | | | | | |
| 6 | BHUSARA RISHI ANIL IQILA | | | | | | | | | | |
| 7 | CHANDAN ARSHAY SANJAY DAYDHEE | BT | BT | BT | BT | BT | BT | BT | BT | | |
| 8 | CHAYAN RUTIKA AMY APARNA | CP | CP | CP | CP | CP | CP | CP | CP | | |
| 9 | CHOLHAN SAMITA PRM NALAYAN | SL | SL | SL | SL | SL | SL | SL | SL | | |
| 10 | DAWADE KALINA GOVIND JYOTI | | | | | | | | | | |
| 11 | DHARAT HITESH DINESH DIPRA | | | | | | | | | | |
| 12 | DUSELE ADITI SURYAKANT SONAL | | | | | | | | | | |
| 13 | GOSAVE SURYASH MANOHAR MITALI | | | | | | | | | | |
| 14 | GUPTA AVINASHKUMAR SEWALAL | | | | | | | | | | |
| 15 | GUPTA HARSHAL BILULAM POKY | 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 SHRUT KAMRUBAL | BT | BT | BT | BT | BT | BT | BT | BT | | |
| 19 | JADHAV SAMRISHA 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 NAVAJI KISHORE | | | | | | | | | | |
| 22 | KALE PRADIP PRADIP SUNTA | | | | | | | | | | |
| 23 | KAMBLE SHWETA NARENDRA YANTA | SK | SK | SK | SK | SK | SK | SK | SK | | |
| 24 | KAPULE OMKAR VASANT VANDANA | | | | | | | | | | |
| 25 | KHARVE SHARAT SADASHIV | KB | KB | KB | KB | KB | KB | KB | KB | | |
| 26 | KOLEKAR KUSHAL VELAS RANJANA | | | | | | | | | | |
| 27 | KUMBHAR YASHALI BHALACHANDRA | | | | | | | | | | |
| 28 | LASE HITESH BIKAS PUTAN | | | | | | | | | | |
| 29 | LOKE KANLISH GANPAT DEETANALI | | | | | | | | | | |
| 30 | MADHYA NALANIKSHI RANJAN | MY | MY | MY | MY | MY | MY | MY | MY | | |
| 31 | MAKANA PRATIK BISHU RANJAN | MP | MP | MP | MP | MP | MP | MP | MP | | |
| 32 | MARGOLAR SACHIN DINKAR VALDRALI | | | | | | | | | | |
| 33 | MUNDAYAT SREETISH RAVINDRAN | | | | | | | | | | |
| 34 | MURDOKAR ANSHU SANJAY SEBAL | | | | | | | | | | |
| 35 | NANDANI NIKHIL RINA | MY | MY | MY | MY | MY | MY | MY | MY | | |
| 36 | SONA VISHAL SHASHANT MEENA | | | | | | | | | | |
| 37 | PACHAREKAR ASHESKUMAR ASHOK | | | | | | | | | | |
| 38 | PADVE AKSHAY ARJUN ASHITA | | | | | | | | | | |
| 39 | PANCHAL JATIN YASHODKUMAR HANSA | | | | | | | | | | |
| 40 | PANDE SHARAD GANESH SUNETA | | | | | | | | | | |
| 41 | PANDE PODIA KIRAN KAJAL | | | | | | | | | | |
| 42 | PATE DACHHAT BHALCHANDRA | | | | | | | | | | |
| 43 | PATE OMKAR VIJAY SURYANA | | | | | | | | | | |
| 44 | PATE PAYAL SUNE SASTA | <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 KANTA | | | | | | | | | | |
| 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 NIVAT NARUTS MADHVI | A | A | A | NP | NP | NP | NP | NP | | |



B.E. ELECTRICAL (2021-2022)

| Sl. No. | Name | 11/4 | 11/4 | 15/4 | 15/4 | 15/4 | 18/4 | | | |
|---------|------------------------------------|------|------|------|------|------|------|--|--|--|
| | | Time | Time | Time | Time | Time | Time | | | |
| 1 | AMBI GAUTAM MOHAN GOBTHA | OK | OK | OK | OK | OK | OK | | | |
| 2 | BAGWE NIKAD PRASAD PRAPTI | | | | | | | | | |
| 3 | BHADWARI PRADEP PRAKASH BANJANA | | | | | | | | | |
| 4 | BHAKSHADA ASHISH MAKESH NITA | OK | OK | OK | OK | OK | OK | | | |
| 5 | BHOSLE ANISHA DNYANESHWAR SANCHITA | | | | | | | | | |
| 6 | BHUSARA STEENI ANIL HIRA | | | | | | | | | |
| 7 | CHALDEAN AKSHAY SANJAY JAYSHREE | OK | OK | OK | OK | OK | OK | | | |
| 8 | CHAVAN KUTUBA AJAY APARNA | OK | OK | OK | OK | OK | OK | | | |
| 9 | CHIKHAN SANGITA PREM NARAYAN | OK | OK | OK | OK | OK | OK | | | |
| 10 | DAWADE SARUNA GOVIND JYOTI | | | | | | | | | |
| 11 | GHARAT NITESH DINESH DIPALI | | | | | | | | | |
| 12 | GURUJI ADITI SURYAKANT SONAL | | | | | | | | | |
| 13 | GOSAVI SURYASH MANOHAR MITALI | | | | | | | | | |
| 14 | GUPTA AVINASHKUMAR SEWALAL | | | | | | | | | |
| 15 | GUPTA RAJENDRA BHULAN PINKY | OK | OK | OK | OK | OK | OK | | | |
| 16 | GUPTA PRITI GULUPRASAD AMITA | OK | OK | OK | OK | OK | OK | | | |
| 17 | GUPTA RAJENDRA BASHANTI HANU | | | | | | | | | |
| 18 | HARPARA ANKIT KANDESHI | OK | OK | OK | OK | OK | OK | | | |
| 19 | JADHAV SAMIKSHA JERAMAN | OK | OK | OK | OK | OK | OK | | | |
| 20 | JADHAV SIDDHI ANIL ANISHA | OK | OK | OK | OK | OK | OK | | | |
| 21 | JAINWAL ANUDESHVAR NAVALKISHORE | | | | | | | | | |
| 22 | KALE PRADEEP PRAEASH SUNITA | | | | | | | | | |
| 23 | KAMBLE SHWETA NARENDRA VANITA | OK | OK | OK | OK | OK | OK | | | |
| 24 | KAPDULE OMKAR VASUDEO VANDANA | | | | | | | | | |
| 25 | KHADAVE SHAKTI SADASHIV | OK | OK | OK | OK | OK | OK | | | |
| 26 | KOLEKAR SUSHAL VILAS BANJANA | | | | | | | | | |
| 27 | KUMHAR VIKASHALI BHALACHANDRA | | | | | | | | | |
| 28 | LAGE NITESH DHEEPAH NUTAN | | | | | | | | | |
| 29 | LOKE KANAKSHI GADPAT GOBINDHARI | | | | | | | | | |
| 30 | MADITYA MELAN KISHOR RANDEEN | OK | OK | OK | OK | OK | OK | | | |
| 31 | MAKRYANA PRATIBH BIPIN KANHAN | OK | OK | OK | OK | OK | OK | | | |
| 32 | MATKOLKAR SACHIN DINKAR VASIMALI | | | | | | | | | |
| 33 | MURDAYAT DHEEPAH KANINDRAN | | | | | | | | | |
| 34 | MURDERKAR ANKESH SANJAY SEJAL | | | | | | | | | |
| 35 | MUNJIANI NISHI KIRAN | OK | OK | OK | OK | OK | OK | | | |
| 36 | MURGA VISHAL SHASHIKANT MEERDA | | | | | | | | | |
| 37 | PACHARJERK ASHISHKUMAR ASHOK | | | | | | | | | |
| 38 | PADVE AKSHAY ARUN ASMITA | | | | | | | | | |
| 39 | PANCHAL JATIN VINODKUMAR HANSA | | | | | | | | | |
| 40 | PARADHI SHARAD GANESH SUNITA | | | | | | | | | |
| 41 | PASRUTI POOLIA KIRAN KANAL | | | | | | | | | |
| 42 | PATEL DARSHAT BHALCHANDRA | | | | | | | | | |
| 43 | PATEL OMKAR VIJAY SUVARNA | | | | | | | | | |
| 44 | PATEL PAYAL SUNIL SMITA | OK | OK | OK | OK | OK | OK | | | |
| 45 | PATEL KUSHEESH KUNAR KAVITA | | | | | | | | | |
| 46 | PATEL SANJAY SOPAN DEBINA | | | | | | | | | |
| 47 | PATIL PALLODE NARENDRA NARADA | OK | OK | OK | OK | OK | OK | | | |
| 48 | PATIL KIRAN NARAYAN MADHVI | OK | OK | OK | OK | | | | | |



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 | 4/3 | 4/3 | 4/3 | P | C | T |
|---------|----------------------------|------|------|------|------|------|------|------|------|---|---|---|
| | Time | 3:50 | 3:30 | 1:30 | 2:30 | 1:30 | 1:30 | 2:30 | 3:30 | | | |
| 1 | AMBAT SAGAR SANTOSH | AM | AM | AM | A | AM | AM | AM | AM | 0 | 7 | 7 |
| 2 | BANGAR HILSHIKESH MANDESH | Bm | Bm | Bm | Bm | Bm | A | Bm | A | 0 | 6 | 6 |
| 3 | BAROT SIYAM GOVIND | SG | SG | SG | SG | SG | A | SG | SG | 0 | 7 | 7 |
| 4 | BRAGAT AALEKH DADAN | Bm | Bm | Bm | Bm | A | Bm | Bm | Bm | 0 | 7 | 7 |
| 5 | BSOIR JANHAVI ASHOK | | | | | | | | | | | |
| 6 | BIND JITENDRA MOTILAL | | | | | | | | | | | |
| 7 | BOLKE ROHAN RAMESH | RR | RR | A | RR | RR | A | RR | RR | 0 | 6 | 6 |
| 8 | CHAUDHARI VIGHNESH SANDESH | A | CVS | CVS | CVS | CVS | CVS | CVS | CVS | 0 | 7 | |
| 9 | CHAVAN ROSHAN SHIVAJI | | | | | | | | | | | |
| 10 | DAUDA AADESH JANA | Ad | Ad | Ad | Ad | Ad | Ad | Ad | Ad | 0 | 8 | 8 |
| 11 | DHODARE NIVID SURENDRA | | | | | | | | | | | |
| 12 | FATNAIK ASHISH UDAY | AUF | AUF | A | AUF | AUF | A | AUF | AUF | 0 | 6 | 6 |
| 13 | GADHARI VEDANT SHARAD | VSG | VSG | VSG | VSG | VSG | A | VSG | A | 0 | 6 | 6 |
| 14 | GANYE ALANKAR GOVIND | | | | | | | | | | | |
| 15 | GHORPADE RUSHIKESH R | | | | | | | | | | | |
| 16 | GOHEL DHIRUV ATUL | DA | DA | DA | A | DA | DA | DA | DA | 0 | 7 | 7 |
| 17 | GUPTA SUMIT SURAJDIN | SSG | A | SSG | A | A | SSG | SSG | SSG | 0 | 5 | 5 |
| 18 | GURUDA KUNAL KRISHNA | | | | | | | | | | | |
| 19 | JADHAV AAKASH KISHOR | Jm | Jm | Jm | A | Jm | Jm | Jm | Jm | 0 | 7 | 7 |
| 20 | JADHAV ROHAN EKNATH | | | | | | | | | | | |
| 21 | JANATHE HARESH LAXMAN | | | | | | | | | | | |
| 22 | KADAM KUNAL KISHOR | KK | KK | KK | KK | KK | KK | KK | KK | 0 | 8 | 8 |
| 23 | KADAM NIKHIL VIJAY | A | NVK | A | NVK | NVK | A | NVK | NVK | 0 | 5 | 5 |
| 24 | KAMBLE NATH ANAND | | | | | | | | | | | |
| 25 | KARWANDE VIVEK ANIL | VAK | A | VAK | VAK | A | VAK | VAK | VAK | 0 | 6 | 6 |
| 26 | KESARKAR ROHAN H | | | | | | | | | | | |
| 27 | KUSHWAHA SUNNY JAYPRAKASH | | | | | | | | | | | |
| 28 | LATE DEEP DILIP | DD | A | DD | A | DD | A | DD | DD | 0 | 5 | 5 |
| 29 | MACHHI AMOL JAYHIND | | | | | | | | | | | |
| 30 | MAHADEK SHREERISHNA P | | | | | | | | | | | |
| 31 | MAHATA NILESH VASANT | | | | | | | | | | | |
| 32 | MALI MITESH VIKAS | Mm | Mm | Mm | Mm | Mm | A | Mm | Mm | 0 | 7 | 7 |
| 33 | MESTRY VEDANG PRAVIN | | | | | | | | | | | |
| 34 | MIATRE PRASHANT MANOJ | | | | | | | | | | | |
| 35 | NAIK AAKASH JITENDRA | | | | | | | | | | | |
| 36 | PAGDHARE ANSHU DILIP | | | | | | | | | | | |



| | | | | | | | | | | | | |
|------------------------|----------------------------|--------|-------|--------|-------|--------|-------|--------|--------|---|---|---|
| 37 | PANCHAL DEEPUY ASHOK | Dapu | A | A | Dapu | A | Dapu | A | Dapu | 0 | 4 | 4 |
| 38 | PARABH RITIK ATMARAM | | | | | | | | | 0 | | |
| 39 | PASHTE SNEHAL SURHASH | SpPat | A | SpPat | SpPat | SpPat | SpPat | SpPat | SpPat | 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 | MPRABX IOE |
| 6 | 4/3 | Walkthrough |
| 7 | 4/3 | Types of component |
| 8 | 4/3 | Component package types |

Anojkumar yadav
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 | Adm | 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 | DLm | A | DLm | A | DLm | DLm | DLm | DLm | 12 | 6 | 18 |
| 29 | MACHHI ANOOL 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 | PAGDESARE ANISH DILIP | | | | | | | | | | | |



| | | | | | | | | | P | C | T |
|------------------------|-----------------------------|-------|-------|-------|------|-------|-------|------|----|---|----|
| 37 | PANCHAL DHRUV ASHOK | Dppm | Dppm | Dppm | Dppm | A | Dppm | A | 11 | 6 | 17 |
| 38 | PAKAR HRIK 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 UMER ISHAQUE | | | | | | | | | | |
| 52 | SHUKLA HARSH RAJESH | | | | | | | | | | |
| 53 | SINGH DENKAR RAJESH | Singh | Singh | Singh | A | Singh | Singh | A | 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. Anuj Kumar 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 BHUSHKESH 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 | GURKODA 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 | KUSHWAMA 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 | | | | | | | | | | | |
| 36 | PADGHARE ANISH DILIP | | | | | | | | | | | |



| | | | | | | | | | | P C T | | |
|------------------------|----------------------------|------|------|------|------|------|------|------|------|-------|---|----|
| 37 | PANCHAL DHIRUV ASHOK | Dapn | Dapn | Dapn | Dapn | Dapn | A | Dapn | Dapn | 4 | 7 | 11 |
| 38 | PARAB HRETIK 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 | VvDn | A | VvDn | VvDn | A | VvDn | VvDn | VvDn | 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 |

Anojkumar yadav
SUBJECT INCHARGE

Anojkumar yadav.

VIVA Institute of Technology, Virar

4

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 | AMBAT 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 | BIND 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 AADSH 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>Jadh</i> | <i>A</i> | <i>Jadh</i> | <i>A</i> | <i>Jadh</i> | <i>A</i> | <i>A</i> | <i>Jadh</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>DDLm</i> | <i>A</i> | <i>DDLm</i> | <i>A</i> | <i>DDLm</i> | <i>DDLm</i> | <i>DDLm</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 | MISATRE PRASHANT MANOJ | | | | | | | | | | | |
| 35 | NAIK AAKASH JITENDRA | | | | | | | | | | | |
| 36 | PAGDIAKE ANISH DILIP | | | | | | | | | | | |



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|------------------------|----------------------------|------|------|------|------|------|------|------|------|----|----|----|
| 37 | PANCHAL DHRUV ASHOK | Dppm | A | Dppm | A | Dppm | A | Dppm | Dpp | 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 YAMKINBOR | | | | | | | | | | | |
| 48 | REWALE JAY PRAVIN | | | | | | | | | | | |
| 49 | SAROI RAJ PRADEEP | | | | | | | | | | | |
| 50 | SAWANT NIDHESH KIRAN | SSKm | SSKm | SSKm | SSKm | SSKm | A | SSKm | A | 19 | 6 | 25 |
| 51 | SHAKH UMAR 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 | 25 |
| 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. Anj Kumar 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. Anoj Kumar 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. |



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T.E. ELECTRICAL (2021-2022)

T.E. ELECTRICAL (2021-2022)



VIT
VIRAR (EAST)

VIVA Institute of Technology, Virar

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

T.E. ELECTRICAL (2021-2022)

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| 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 | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | 7 | 8 | 15 |
| 2 | ALI SALMAN MAHMOOD RAJESH | | | | | | | | | | | |
| 3 | ANIKAR SHUBH PRASAD SHIVA | | | | | | | | | | | |
| 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 | PPH | PPH | PPH | PPH | PPH | PPH | A | PPH | 7 | 7 | 14 |
| 7 | CHAKRABARTI ABHIRAM JYAN SHIVAM | PPH | PPH | PPH | PPH | PPH | PPH | A | PPH | 7 | 7 | 14 |
| 8 | CHAUHAN HARSH SURYAKANT PRITI | | | | | | | | | | | |
| 9 | CHAVAN DIPESH ARUN ANURADHA | | | | | | | | | | | |
| 10 | CHAVAN ROHAN VINOD VANITA | PPH | PPH | PPH | A | PPH | PPH | A | PPH | 7 | 6 | 13 |
| 11 | CHAVI GAURAV GANPAT GEETA | | | | | | | | | | | |
| 12 | CHANDOKAR DHARMESH JAGDISH BHAI | | | | | | | | | | | |
| 13 | DARJE SIDDHESH KANDIKSHAK | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | 7 | 8 | 15 |
| 14 | DHADAGA MOHAN BANSIDH KAMU | PPH | PPH | PPH | A | PPH | PPH | PPH | PPH | 7 | 7 | 14 |
| 15 | GAMAI ROHAN ANAND SHASHIPRABHA | PPH | PPH | PPH | A | PPH | PPH | PPH | PPH | 7 | 7 | 14 |
| 16 | GHARAT AJINYA PRASHANT SUNITA | PPH | PPH | PPH | PPH | PPH | PPH | A | A | 8 | 6 | 14 |
| 17 | GIRI PRAVIN RANJEET GAYATRI | PPH | PPH | PPH | PPH | PPH | PPH | A | A | 8 | 8 | 16 |
| 18 | GOUDAR MANDI SELVAM SHARVHA | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | 8 | 8 | 16 |
| 19 | GUTARE NARESH UTTAM REDHA | PPH | PPH | PPH | PPH | A | PPH | PPH | PPH | 6 | 7 | 13 |
| 20 | GULARI ABHINAVSINDHAR SITARAM | PPH | PPH | PPH | PPH | A | PPH | PPH | PPH | | | |
| 21 | GUPTA RAHUL HARSH VINEA DEVI | | | | | | | | | | | |
| 22 | GUPTA SURAJ KISHANJAL SANDHEETA | | | | | | | | | | | |
| 23 | HOLMURKE AKASH ASHOK GAURI | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | 7 | 8 | 15 |
| 24 | JADHAV PRANAV PRASHANT PRANALI | PPH | A | PPH | PPH | PPH | PPH | PPH | PPH | 6 | 7 | 13 |
| 25 | KAMBLE SHUBHAM LALASABH | PPH | A | PPH | PPH | PPH | PPH | PPH | PPH | 8 | 7 | 15 |
| 26 | KAP ANU RAMAKANT ANITA | | | | | | | | | | | |
| 27 | KATELA ANAND GANGARAM | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | 7 | 8 | 15 |
| 28 | KATKAR YASHODDEEP SHUBHANT | PPH | PPH | PPH | PPH | PPH | PPH | A | PPH | 8 | 7 | 15 |
| 29 | KHARDE ATISH ANKUSH ADITHYAN | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | 7 | 8 | 15 |
| 30 | KUBAL PRATHMESH CHANDRASHREEHAR | | | | | | | | | | | |
| 31 | KUMHAR PRANCIANDRA HERALAL | | | | | | | | | | | |
| 32 | LADHAVA KIRUSHALI RAMESH KUMAR | PPH | PPH | PPH | A | PPH | PPH | PPH | PPH | 7 | 7 | 14 |
| 33 | MACHARI SIDDHARTH SURESH SUREKHA | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | 8 | 8 | 16 |
| 34 | MALASHE ADWAIT HARISHCHANDRA | PPH | PPH | PPH | PPH | PPH | PPH | PPH | PPH | | | |
| 35 | MUNANI SAGAR RAMESH KAMA | | | | | | | | | | | |
| 36 | MURCHANDI NILESH GAUTAM | | | | | | | | | | | |
| 37 | MORE HETTRIK SUDHAS MORENI | | | | | | | | | | | |
| 38 | MURADAM AFFAN ASLAM SHIRAT | | | | | | | | | | | |
| 39 | PARMAR RAHUL BHUPENDRABHAI | PPH | A | PPH | PPH | PPH | PPH | PPH | PPH | 8 | 7 | 15 |
| 40 | PASITE ASHITA ASHOK ASHWINI | | | | | | | | | | | |
| 41 | PASITE MUTALI YASUDEV VISHAKHA | | | | | | | | | | | |
| 42 | PASITE SEJAL SUBHANSI SHUBHANGI | | | | | | | | | | | |
| 43 | PATEL JGAR KIRIT RITA | PPH | PPH | PPH | A | PPH | PPH | PPH | PPH | 8 | 7 | 15 |
| 44 | PATEL ANKIT CHANDRANANT DEEYAN | | | | | | | | | | | |
| 45 | PATEL BHAVIN MAHENDR TRUPTI | | | | | | | | | | | |
| 46 | PATEL CHINMAY RAJESH SANGHITA | | | | | | | | | | | |
| 47 | PATEL DHANESH BENE SUKRETA | PPH | PPH | PPH | PPH | PPH | A | PPH | PPH | 8 | 7 | 15 |



VIVA Institute of Technology, Virar

SUBJECT: *Electrical Safety Practices*

T.E. ELECTRICAL (2021-2022)

SUBJECT INCHARGE: *Prof. Nishu Mishra*

3

| R. No. | Name | 12/3 | 14/3 | 16/3 | 18/3 | 20/3 | 22/3 | 24/3 | 26/3 | 28/3 | 30/3 | P | C | T |
|--------|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|---|----|
| | Time | 2:30 | 2:30 | 3:30 | 3:30 | 2:30 | 3:30 | 3:30 | 3:30 | 3:30 | 3:30 | | | |
| 1 | ABHIR MAYURAJ PANDIT SHUKLA | PP/Prat | PP/Prat | PP/Prat | PP/Prat | PP/Prat | PP/Prat | PP/Prat | PP/Prat | PP/Prat | PP/Prat | 15 | 7 | 22 |
| 2 | ALI KASHAN MAHMOOD KAREEM | | | | | | | | | | | | | |
| 3 | AREKAR SUDHAR PRASAD SHREYA | | | | | | | | | | | | | |
| 4 | BAIT SAKSHI MOHAN MANTA | | | | | | | | | | | | | |
| 5 | BALAKRISHNAN MURUGESH BALA | MBA | MBA | MBA | A | MBA | MBA | MBA | MBA | MBA | MBA | 16 | 7 | 23 |
| 6 | BHATT CHANDAN PRAKASH BELA | QB/Prat | QB/Prat | QB/Prat | QB/Prat | QB/Prat | QB/Prat | QB/Prat | QB/Prat | QB/Prat | QB/Prat | 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 | no class | 14 | 8 | 22 |
| 8 | CHANDRASEKHAR ADARSH IVAN SNEHAL | | | | | | | | | | | | | |
| 9 | CHANDRASEKHAR ADARSH IVAN SNEHAL | | | | | | | | | | | | | |
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| 44 | CHANDRASEKHAR ADARSH IVAN SNEHAL | | | | | | | | | | | | | |
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| 49 | CHANDRASEKHAR ADARSH IVAN SNEHAL | | | | | | | | | | | | | |
| 50 | CHANDRASEKHAR ADARSH IVAN SNEHAL | | | | | | | | | | | | | |



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 | mpm | mpm | mpm | A | mpm | mpm | 22 | 5 | 27 |
| 2 | ALI SALMAN NAJIBOON RAZESHIA | | | | | | | | | |
| 3 | ANIKAR SHILPA PRASAD SNEHA | | | | | | | | | |
| 4 | BAIT SALTASH MOHAN MAMTA | | | | | | | | | |
| 5 | BALANRUGALAN 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 | PRACH | PRACH | PRACH | PRACH | PRACH | PRACH | 22 | 6 | 28 |
| 7 | CHALDHARI ABHISHEK JYAN SINDHAL | Ajch | Ajch | Ajch | A | Ajch | Ajch | 22 | 5 | 27 |
| 8 | CHANDHAN HARSHI SURYAKANT PRITI | | | | | | | | | |
| 9 | CHAVAN DIPESH ARUN ASURADHA | | | | | | | | | |
| 10 | CHAVAN ROHAN VEED YANTIA | PRACH | PRACH | PRACH | A | PRACH | PRACH | 20 | 5 | 25 |
| 11 | DALVI GAURAV GANPAT GEETA | | | | | | | | | |
| 12 | DANGODARA DHARMESH JAGDESH BHAI | | | | | | | | | |
| 13 | DARJE SIDDHESH NANDKISHOR | Siddh | Siddh | Siddh | Siddh | Siddh | Siddh | 22 | 6 | 28 |
| 14 | DEADAGA MOHAN BANOBU KAMU | | | | | | | | | |
| 15 | GAWAR MOHAN ANAND SHASHIPRABHA | PRACH | PRACH | A | PRACH | PRACH | PRACH | 22 | 5 | 27 |
| 16 | GIRSAT AJINKYA PRADESHKAR SUNEA | | | | | | | | | |
| 17 | GIRI PRAYAN RANDESH GAYATRI | Giri | Giri | A | Giri | Giri | Giri | 22 | 5 | 27 |
| 18 | GOUNDARMANDI SELVAN SHARDRA | PRACH | PRACH | PRACH | PRACH | PRACH | PRACH | 23 | 6 | 29 |
| 19 | GUTARE MAHESH UTTAM KESHA | | | | | | | | | |
| 20 | GUTARE ABHINAVSUDHAR SITARAM | A.S.G | PRACH | PRACH | A.S.G | PRACH | A.S.G | 20 | 6 | 26 |
| 21 | GUPTA RAHUL HARSHAR VINLA DEVI | | | | | | | | | |
| 22 | GUPTA SURAJ KESHANIL SANDEEPA | | | | | | | | | |
| 23 | HOLMURDE AKASH ASHOK GAURI | PRACH | PRACH | A | PRACH | PRACH | PRACH | 23 | 5 | 28 |
| 24 | JADHAV PRANAY PRAKASH PRANALI | | | | | | | | | |
| 25 | JANGAM PRANAY PRANOD PRANALI | PRACH | A | PRACH | A | PRACH | PRACH | 21 | 4 | 25 |
| 26 | KAMBLE SHUBHAM LAL ASHISH | SLIC | SLIC | SLIC | SLIC | SLIC | SLIC | 23 | 6 | 29 |
| 27 | KAP ANIL RANAKANT ANITA | | | | | | | | | |
| 28 | KATELA ANAND GANESHAN | KATELA | KATELA | KATELA | KATELA | KATELA | KATELA | 22 | 5 | 27 |
| 29 | KATKAR YASHODHAR SHREKANT | KATKAR | KATKAR | KATKAR | KATKAR | KATKAR | KATKAR | 23 | 5 | 28 |
| 30 | KHARDE ATISHA ANANDASHWINI | Khade | Khade | Khade | Khade | Khade | Khade | 23 | 6 | 29 |
| 31 | KOLBAL PRATIMESH CHANDRASEKHAR | | | | | | | | | |
| 32 | KUMHAR PRAMITHANORA JERALAL | | | | | | | | | |
| 33 | LADHAVA KISHORANRANESHKUMAR | Khade | A | Khade | Khade | Khade | Khade | 21 | 5 | 26 |
| 34 | NANDORI DEEPAK SURESH SURDOLA | | | | | | | | | |
| 35 | NALASHE ASHRAUT HARISHOGANDRA | PRACH | PRACH | PRACH | PRACH | PRACH | PRACH | 21 | 6 | 27 |
| 36 | NAZAM SAGAR RANESH RAMA | | | | | | | | | |
| 37 | NARSHANDE NILESH GAUTAM | | | | | | | | | |
| 38 | MORE IRITIK SHIVAS MOHIN | | | | | | | | | |
| 39 | NIKADAM ANFAN ASLAM ISHABAT | | | | | | | | | |
| 40 | PADHAR RAHUL BHUPENDERABAI | PRACH | PRACH | PRACH | PRACH | PRACH | PRACH | 23 | 6 | 29 |
| 41 | PASITE ASMITA ASHOK ASHWINI | | | | | | | | | |
| 42 | PASITE MITALI VASUDEV NISHAKHA | | | | | | | | | |
| 43 | PASITE SEJAL BISHMASHI SHUBHANGI | | | | | | | | | |
| 44 | PATEL ROAR KIRIT RITA | PATEL | PATEL | PATEL | PATEL | A | PATEL | 23 | 5 | 28 |
| 45 | PATIL ANKIT CHANDRABANT DEOYANI | | | | | | | | | |
| 46 | PATE, BHAVIN MARYAND TRUPTI | | | | | | | | | |
| 47 | PATIL CHENMAY RAJESH SANGEETA | | | | | | | | | |
| 48 | PATIL DHANESH SUNIL SUCHITA | D.PATIL | D.PATIL | D.PATIL | D.PATIL | A | D.PATIL | 22 | 5 | 27 |



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Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. Gujari Abhinwasundar 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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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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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 | | |





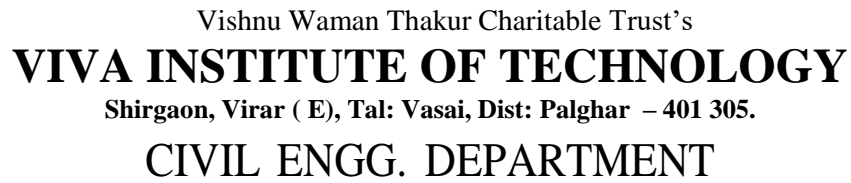
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ATTENDANCE SHEET

| VIVA INSTITUTE OF TECHNOLOGY SHIRGAON, VIRAR (E), TAL: VASAI, DIST: PALGHAR - 401 305 | | DATE: _____ | | | | | PAGE NO. _____ | | |
|--|------------------------|-------------|---|---|---|---|----------------|---|---|
| Sl. No. | NAME OF THE STUDENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| TCVA_01 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_02 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_03 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_04 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_05 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_06 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_07 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_08 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_09 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_10 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_11 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_12 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_13 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_14 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_15 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_16 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_17 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_18 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_19 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_20 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_21 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_22 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_23 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_24 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_25 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_26 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_27 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_28 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_29 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_30 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_31 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_32 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_33 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_34 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_35 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_36 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_37 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |
| TCVA_38 | ANURAG KALPESH KALPESH | A | A | A | A | A | | | |





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Vellore
Tamil Nadu
India



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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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A.Y. 2020-21





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Department of Electronics and Telecommunication Engineering

Name of Course: Learning Programming Using Python Duration: 30 hours

| Day | Contents | Hrs. |
|-----|----------------------------------|------|
| 1 | Introduction to Programming | 6 |
| 2 | Implementation of Python- Part 1 | 6 |
| 3 | Implementation of Python- Part 2 | 6 |
| 4 | Project Implementation | 6 |
| 5 | Tech-ference | 6 |





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Department of Electronics and Telecommunication Engineering

Report

Duration: August 31st-September 4th, 2020

Venue: Online.

Electronics & Telecommunication Engineering Department of VIVA Institute of Technology organized a 30 hours' certificate course on **“Learning Programming Using Python”** in Association with **“Misfit Learning”** during **August 31st-September 4th, 2020** in **online mode**.

This 5 days workshop was basically aimed to provide basic knowledge of python to EXTC students which was conducted by various speakers who guided the participants. Total 74 students registered for this course. Out of these, 63 students were from Third year EXTC and 11 students from Second Year EXTC. Total 52 students completed the course successfully.

Students received valuable inputs from the resource persons from the industry.

The event was a success with very positive feedback from the participants. 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.





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Department of Electronics and Telecommunication Engineering

Course Objectives

- Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions.
- Work with user input to create fun and interactive programs.
- Create simple projects

Course Outcomes:

When students complete this 5 day course, they will be able to:

- Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions.
- Work with user input to create fun and interactive programs.
- Create simple projects





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 | - | - | - | - | - | |



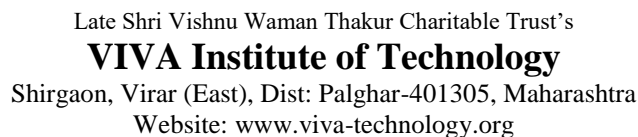
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Department of Electronics and Telecommunication Engineering

Model Certificate







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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.
The course was conducted by Prof. Akshata Raut in order to provide basic certificate course.

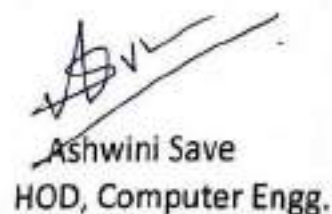
This course was conducted by Prof. Akshata Raut in order to provide basic knowledge of JAVA programming. This was 30 hrs. certificate course.

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.

[illegible]

| 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. |





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 | Karan | Karan | Karan | Karan | Karan | Karan | Karan | Karan | Karan | Karan |
| 2 | PATEL JAY MAHESH PRAGNA | P.Jay | P.Jay | P.Jay | P.Jay | P.Jay | P.Jay | P.Jay | P.Jay | P.Jay | P.Jay |
| 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 | Prathmesh | Prathmesh | Prathmesh | Prathmesh | Prathmesh | Prathmesh | Prathmesh | Prathmesh | Prathmesh | Prathmesh |
| 6 | BARIA KHYATI RAJESH | Khyati | Khyati | Khyati | Khyati | Khyati | Khyati | Khyati | Khyati | Khyati | Khyati |
| 7 | HADPE SAURABH ABHAJI | Saurabh | Saurabh | Saurabh | Saurabh | Saurabh | Saurabh | Saurabh | Saurabh | Saurabh | Saurabh |
| 8 | DARADE HITESH SUBHASH | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh |
| 9 | MALI ASHVINI BHATU | A.Mali | A.Mali | A.Mali | A.Mali | A.Mali | A.Mali | A.Mali | A.Mali | A.Mali | A.Mali |
| 10 | GHADSHI NIKHIL PRASHANT | Nikhil | Nikhil | Nikhil | Nikhil | Nikhil | Nikhil | Nikhil | Nikhil | Nikhil | Nikhil |
| 11 | DUBEY GOVINDNARAYAN RAMESH | G.Dubey | G.Dubey | G.Dubey | G.Dubey | G.Dubey | G.Dubey | G.Dubey | G.Dubey | G.Dubey | G.Dubey |
| 12 | ISWALKAR ABHISHEK ASHOK | A.Iswalkar | A.Iswalkar | A.Iswalkar | A.Iswalkar | A.Iswalkar | A.Iswalkar | A.Iswalkar | A.Iswalkar | A.Iswalkar | A.Iswalkar |
| 13 | JADHAV HRUCHITA BALU | H.Jadhav | H.Jadhav | H.Jadhav | H.Jadhav | H.Jadhav | H.Jadhav | H.Jadhav | H.Jadhav | H.Jadhav | H.Jadhav |
| 14 | JADHAV RUTUJA DEVDAS | R.J. | R.J. | R.J. | R.J. | R.J. | R.J. | R.J. | R.J. | R.J. | R.J. |
| 15 | JHA SHWETA KRISHNACHANDRA | Shweta | Shweta | Shweta | Shweta | Shweta | Shweta | Shweta | Shweta | Shweta | Shweta |
| 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.Kadu | D.Kadu | D.Kadu | D.Kadu | D.Kadu | D.Kadu | D.Kadu | D.Kadu | D.Kadu | D.Kadu |
| 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.Deep | D.Deep | D.Deep | D.Deep | D.Deep | D.Deep | D.Deep | D.Deep | D.Deep | D.Deep |
| 21 | MAHADIK HIRTIK SACHIN | H.Mahadik | H.Mahadik | H.Mahadik | H.Mahadik | H.Mahadik | H.Mahadik | H.Mahadik | H.Mahadik | H.Mahadik | H.Mahadik |
| 22 | PATEL CHIRAG PRAKASH | C.Patel | C.Patel | C.Patel | C.Patel | C.Patel | C.Patel | C.Patel | C.Patel | C.Patel | C.Patel |



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 Affiliated to the University of Mumbai
 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 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



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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 | BHOVAD SHIVANI MANDIHAR | SB | SB | A | SB | SB | |
| 5 | BHLLAVA 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 HADIRAD | 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 ACHCHIBLAL | A | A | A | A | A | |
| 14 | GUPTA MOHITKUMAR JAYPRAKASH | MP | MP | MP | MP | MP | |
| 15 | GUPTA PRAKASH VIBASHANKAR | 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 | |
| 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 | |
| 34 | MOGAVEERA PRAJWAL MUTTA | Prajwal | Prajwal | Prajwal | Prajwal | Prajwal | |





BE Attendance Sheet [2019-20]

Semester : VI

Week/ Month :

Subject Incharge :

Subject :

| Roll No | Name | App/Week | 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 AJAY | 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 | PATEL 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 | SUZAR HITESH | H Suzar | H Suzar | H Suzar | H Suzar | H Suzar | 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 | |



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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





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 DILIP 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 | KARANJUMAR 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 PRATHIVESTI RALABHAN | 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 |



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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





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- ✓ 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





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- 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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- ✓ 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.





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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 | |





Department of Electronics and Telecommunication Engineering

Attendance Sheet:

VIVA Institute of Technology
 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 | | | | | | | | | | |
| 6 th July 2019 | Arduino | | | | | | | | | | |
| 7 th July 2019 | Arduino | | | | | | | | | | |
| 8 th July 2019 | Arduino | | | | | | | | | | |
| 9 th July 2019 | Arduino | | | | | | | | | | |
| 10 th July 2019 | Arduino | | | | | | | | | | |
| 11 th July 2019 | Arduino | | | | | | | | | | |
| 12 th July 2019 | Arduino | | | | | | | | | | |
| 13 th July 2019 | Arduino | | | | | | | | | | |
| 14 th July 2019 | Arduino | | | | | | | | | | |
| 15 th July 2019 | Arduino | | | | | | | | | | |
| 16 th July 2019 | Arduino | | | | | | | | | | |
| 17 th July 2019 | Arduino | | | | | | | | | | |
| 18 th July 2019 | Arduino | | | | | | | | | | |
| 19 th July 2019 | Arduino | | | | | | | | | | |
| 20 th July 2019 | Arduino | | | | | | | | | | |
| 21 st July 2019 | Arduino | | | | | | | | | | |
| 22 nd July 2019 | Arduino | | | | | | | | | | |
| 23 rd July 2019 | Arduino | | | | | | | | | | |
| 24 th July 2019 | Arduino | | | | | | | | | | |
| 25 th July 2019 | Arduino | | | | | | | | | | |
| 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: 1

Prof. P. V. Patil



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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





Department of Electronics and Telecommunication Engineering

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.





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.





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 | - | - | - | - | - | |





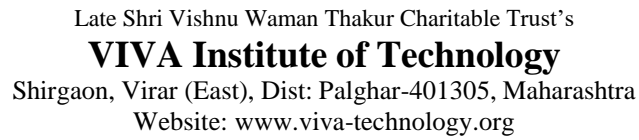
Department of Electronics and Telecommunication Engineering

| 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 | ADARSH TANTU BHISHMOOR | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 2 | BOHRELE SARASWATI BHABAT | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| 3 | CHODHURY 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 | GAHRAV RETALI BALDORSHNA | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| 7 | GAHRAV TEJASHREE CHANDRANAKANT | 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 | KADU 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 | KHARAKAR 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 | KHAYDOLAN ABHISHEK JAYRAM | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 15 | KHAYDOLAN 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 SANDHEEP | 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 | MARNAJ LOUDRANAYA SANGVI | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| 22 | MEKHA BANSODESI SUNIL | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 23 | PADEL JARVI AGHISH | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 24 | PANARI TANU VELAS | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| 25 | PARADE PABU PRADIP | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| 26 | PARAL PISTU RELESH | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| 27 | SAWANT PANGRAU VELU | 8/11/17 | 1:30-4:30 PM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| 28 | SAWANT HARSHKESH 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 | |
| TOTAL STUDENTS PRESENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SIGNATURE OF SUBJECT INCHARGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

July to Oct
 45 students

SUBJECT INCHARGE



[illegible]



Department of Electronics and Telecommunication Engineering

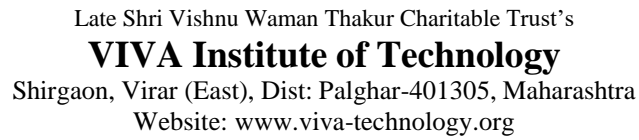
| Sl. No. | Name of Student / TOPIC COVERED | Subject | | | | |
|---------|---------------------------------|-------------|----------------|-----------------|-----------|-----------|
| | | Interfacing | Microprocessor | Microcontroller | Logic | System |
| | DATE | 19/11/19 | 20/11/19 | 21/11/19 | 22/11/19 | 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 TANU BHAGWAN | A | A | A | A | A |
| 2 | KUMAR ANKUR BHAGWAN | A | A | A | A | A |
| 3 | CHANDAN PRAVIN CHANDAN | A | A | A | A | A |
| 4 | SARDE VIKRAM SHASTRI | A | A | A | A | A |
| 5 | SAWANT KARTHIK MOHAN | A | A | A | A | A |
| 6 | SAWANT NITIN BALRAJ | A | A | A | A | A |
| 7 | SAWANT TEJASWEE CHANDAN | A | A | A | A | A |
| 8 | SHETI SAKSHI | A | A | A | A | A |
| 9 | SHETI KUNAL KUNAL | A | A | A | A | A |
| 10 | KARU VIKAS CHANDAN | A | A | A | A | A |
| 11 | KARU SHUBHAM KUNAL | A | A | A | A | A |
| 12 | KESARKAR NIKHIL DNYANESHWAR | A | A | A | A | A |
| 13 | SHARDE SUDHANSHU | A | A | A | A | A |
| 14 | SHARDE KARAN ABHIRAM | A | A | A | A | A |
| 15 | SHARDE KARAN VIKRAM | A | A | A | A | A |
| 16 | KOTIA DNYANESHWAR | A | A | A | A | A |
| 17 | KOTIA POONAM KUNAL | A | A | A | A | A |
| 18 | KUTHEKAR AMAN SURESH | A | A | A | A | A |
| 19 | KUTHEKAR SHUBHAM SURESH | A | A | A | A | A |
| 20 | KUTHEKAR NITIN SURESH | A | A | A | A | A |
| 21 | KUTHEKAR NIKHIL SURESH | A | A | A | A | A |
| 22 | KUTHEKAR NIKHIL SURESH | A | A | A | A | A |
| 23 | KUTHEKAR NIKHIL SURESH | A | A | A | A | A |
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| 25 | KUTHEKAR NIKHIL SURESH | A | A | A | A | A |
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| 36 | KUTHEKAR NIKHIL SURESH | A | A | A | A | A |
| 37 | KUTHEKAR NIKHIL SURESH | A | A | A | A | A |

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 KANHAIYAS | | | | |
| 3 | CHANDRANATH PRAVIN | | | | |
| 4 | CHANDRANATH PRAVIN | | | | |
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| 36 | CHANDRANATH PRAVIN | | | | |
| 37 | CHANDRANATH PRAVIN | | | | |



| Department of Information Technology | | Website: www.vit.ac.in | | ATTENDANCE RECORD FOR TERM: 2022 | | Semester: 18 | |
|--------------------------------------|-----------------------|------------------------|----|----------------------------------|---|--------------|--|
| Name of Student | | | | | | | |
| 22 | RAJYA MANI SHARMA | A | A | A | A | | |
| 23 | TAMBE EDOHISA SITABAN | | | | | | |
| 24 | THAKRE PRITA SHAKNATH | | | | | | |
| 25 | HETTY MEER KUMAR | | | | | | |
| 26 | REKHA KUMAR | | | | | | |
| 27 | SHUT HAREK SHARMA | | | | | | |
| 28 | HOOGE ROHINI SINGH | | | | | | |
| 29 | SHULARE AMIT SANOOSH | | | | | | |
| 30 | SHUT VIKAS KAJMERIA | | | | | | |
| 31 | SHREEMHAR SANKET | | | | | | |
| 32 | SHREEMHAR | | | | | | |
| 33 | SHRUTI GANESH SHUTER | | | | | | |
| 34 | KHARERDIALE PRAVIL | | | | | | |
| 35 | TAKRE | | | | | | |
| 36 | SHIRAI PRAL HARESH | | | | | | |
| 37 | TAMBE GANESH KAVRAJ | | | | | | |
| 38 | SHYER RAJ PRASIT | | | | | | |
| 39 | HANDEGA NITYAL | | | | | | |
| 40 | HAJESHKUMAR | | | | | | |
| 41 | SHYER KUSHSH HANDEGA | | | | | | |
| 42 | SHYER KUSHSH HANDEGA | | | | | | |
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| 72 | SHYER KUSHSH HANDEGA | | | | | | |
| 73 | SHYER KUSHSH HANDEGA | | | | | | |
| 74 | SHYER KUSHSH HANDEGA | | | | | | |
| 75 | SHYER KUSHSH HANDEGA | | | | | | |
| TOTAL STUDENTS | | 54 | 65 | 31 | 1 | | |
| SIGNATURE OF DEPUTY DEAN | | | | | | | |





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: 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 | - | - | - | - | - | |





Department of Electronics and Telecommunication Engineering

Attendance Sheet:

 Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
Department of Electronics and Telecommunication Engineering
ATTENDANCE SHEET

Subject: _____ Semester: _____

| Sl. No. | Name of Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 2 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 3 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 4 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 5 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 6 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 7 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 8 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 9 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 10 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 11 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 12 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 13 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 14 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 15 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 16 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 17 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 18 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 19 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 20 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 21 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 22 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 23 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 24 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 25 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 26 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |
| 27 | ANAND KANHAIYAS | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present | Present |

Page: _____



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

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 |



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. |




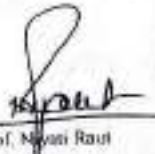
Late Shree Vishva Vishva Varan Charitable Trusts
VIVA Institute of Technology
 At Shrigaon, Virar (East), Taluka-Vasai, District - 401 305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ADVANCE SOLID WORKS
 Academic Year: 2019-20

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 ANIRUDH KOSHAN | SE | Kanir | Don | Don | Don | Don |
| 2 | KHOPKAR MAYURI CHANDRAKANT | SE | Kanir | Kanir | Kanir | Kanir | Kanir |
| 3 | KOKALE KHYATI RAJESH | SE | Kanir | Kanir | A | Kanir | Kanir |
| 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 | Priyanka | Priyanka | 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 ABHILASH VASANT | BE | Abhilash | Abhilash | Abhilash | Abhilash | Abhilash |
| 13 | PAL ANUJ SHIVKARAN SATNA | BE | Anuj | Anuj | Anuj | Anuj | Anuj |
| 14 | RAI VINAYAK PRAKASH SUNITA | BE | Vinayak | Vinayak | Vinayak | Vinayak | Vinayak |
| 15 | ZANKAR YOGITA RAJESH BABITA | BE | Yogita | Yogita | Yogita | Yogita | Yogita |


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


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




Late Shree Vishnu Vishnu Waman Chaudhari 175519
VIVA Institute of Technology
 At: Shirgaon, Virar (East), Taluka-Vasai, 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 | Sein | Sein | A | Parn | A |
| 2 | KHOPKAR MAYURI CHANDRAKANT | SE | Kellu | Kellu | Kellu | Kellu | Kellu |
| 3 | KOKALE KHYATI RAJESH | SE | A | Khushi | A | Khushi | Khushi |
| 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 | PALIWA 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 Chaudhan
 Faculty Co-ordinator
 (Mechanical Engineering Dept.)


 Prof. Khyati 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. 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



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 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 |



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. |



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 | Aashay | Aashay | Aashay | Aashay |
| 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 | Akash | Akash | Akash | A |


 Prof. Tejas Chaudhary
 Faculty Coordinator


 Prof. Nitya Raut
 HOD


Late Shree Vishnu Vishnu Waman Chaudhale Trust's
VIVA Institute of Technology
 At: Shingor, 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 DURGA | BE | Akash | Akash | Akash | Akash | Akash |


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


 Prof. Nikhil 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. 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 |



Late Shri Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
 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 MANITA | 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 | AMB | AB | AMB | AMB |
| 6 | BIRWATKAR ANIKET ANANT AKSHATA | BE | AB | AMB | AMB | AMB | AMB |
| 7 | GULHANE AMAN ASHOK MANITA | BE | AMB | AMB | AMB | AMB | AMB |
| 8 | HASE NIKHIL BALASAHEB PRATIBHA | BE | AB | AMB | AMB | AMB | AMB |
| 9 | JADHAV VIKRANT VISHNU THERESA | BE | AMB | AMB | AMB | AMB | AMB |
| 10 | JAYLE SIDDHESH SONU NITA | BE | SSS | SSS | SSS | SSS | SSS |
| 11 | KATALE ROHIT RAJENDRA RANJITA | BE | AB | AMB | AMB | AMB | AMB |
| 12 | KHARAT ASHWINI KAILAS SANGITA | BE | AMB | AMB | AMB | AMB | AMB |
| 13 | KOTIAN SHUBHAM GANESH KALAVATI | BE | AMB | AMB | AB | AMB | AMB |
| 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 TANVI | BE | AMB | AMB | AMB | AMB | AB |
| 17 | PATIL CHINAB ANAND BHARATI | BE | AMB | AMB | AMB | AMB | AMB |
| 18 | PATIL JITESH GURUNATH GITANJALI | BE | AMB | AMB | AB | 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 | AMB | AB | AMB | AMB |
| 25 | SHIRODKAR AKSHAY SHRIPATI ARCHANA | BE | AMB | AMB | AMB | AMB | AMB |
| 26 | SULE CHIRAG LAXMAN MUKTA | BE | CLB | CLB | CLB | CLB | CLB |
| 27 | THAKUR KRISHNA RAMESH PRAMILA | BE | AMB | AMB | AB | 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.
(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 AYINABHUMAI SEWALAL | | | | | | | | | | | |
| 4 | INDHAV DEEPTI ANIL | | | | | | | | | | | |
| 5 | KAMBLE SHWETA NARENDRA | | | | | | | | | | | |
| ✓ | MUNDAYAT DIPREESH RAVINDRAN | Mdu | Mdu | A | Mdu | Mdu | Mdu | Mdu | Mdu | | | |
| 6 | PANDEY PRAKASH | | | | | | | | | | | |
| ✓ | PATIL ALPESH HUKLUD | Pam | A | Pam | Pam | Pam | Pam | Pam | Pam | | | |
| 9 | PATIL BHAYIN SHARFAND | | | | | | | | | | | |
| 10 | PATEL SANDEEP KOPAN | | | | | | | | | | | |
| ✓ | PARAR FAIGUN 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 | Thak | Thak | Thak | Thak | Thak | Thak | Thak | Thak | | | |
| ✓ | 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 HARSHNA B. | | | | | | | | | | | |
| 29 | BHOIR AKISHA D. | | | | | | | | | | | |
| 30 | GOSAVI SUYASH M. | | | | | | | | | | | |
| ✓ | MAEWAHA PRATIE 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 | LASE NITESH BEKAJI | | | | | | | | | | | |
| ✓ | KUMBHAR VRUSHALI B. | Vkt | Vkt | Vkt | Vkt | Vkt | Vkt | Vkt | Vkt | | | |
| 40 | VELPAGA SUREKHA C. | | | | | | | | | | | |
| 41 | SAWANT ROMAN V. | | | | | | | | | | | |
| ✓ | GHUSARA JYESH A. | Bhu | Bhu | A | Bhu | A | Bhu | Bhu | Bhu | | | |
| 43 | PAOT KALPET H. | | | | | | | | | | | |



[illegible]

Parr.
SUBJECT INCHARGE



VIVA Institute of Technology, Virar

S.E. ELECTRICAL (2019-2020)

SUBJECT:

SUBJECT INCHARGE:

| S. 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 |
|--------|------------------------------|-------|--------|--------|--------|--------|--------|---------|---------|---|---|---|
| 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 POUKARAN | | | | | | | | | | | |
| 8 | PATEL ALPESH HUKUND | 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 | Very | Very | Very | Very | Very | Very | Very | Very | | | |
| 23 | VEKHANDE PRATHNESH PRAKASH | | | | | | | | | | | |
| 24 | VISHWAKARMA PRINCE KUMAR R. | | | | | | | | | | | |
| 25 | VADAV AAKASH SATISH | | | | | | | | | | | |
| 26 | SANKHE YUGAN | | | | | | | | | | | |
| 27 | GURI PRAVIN | Grip | Grip | Grip | Grip | Grip | A | A | Grip | | | |
| 28 | GUPTA HARSHAL B | | | | | | | | | | | |
| 29 | BHOSR AMISHA D | | | | | | | | | | | |
| 30 | GOSAVI SUYASH M | | | | | | | | | | | |
| 31 | MAKwana 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 | HIRPARK ANKIT R | | | | | | | | | | | |
| 37 | NAJIAN MITAL 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 AVINASHDUMAR SEWALAL | | | | | | | | | | | |
| 4 | JADHAV VEDDH AVE. | | | | | | | | | | | |
| 5 | JAMBLE SHRETA NARENDRA | | | | | | | | | | | |
| 6 | MUNDAYAT SREETISH RAVINDRAN | | | | | | | | | | | |
| 7 | PADHIE RASHI KIRAN | | | | | | | | | | | |
| 8 | PATEL ALPESH MUKUND | | | | | | | | | | | |
| 9 | PATEL BHAVIN MARTAND | | | | | | | | | | | |
| 10 | PATEL SANGEET 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 | SOODHI 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 R. | | | | | | | | | | | |
| 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 ABHINAV | | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| 43 | BAUT 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 ALPESH MUKUND | | | | | | | | | | |
| 9 | PATEL DEHAVIN NARTAND | | | | | | | | | | |
| 10 | PATEL SANKET RUPAN | 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 PARTHE | Tank | Tank | Tank | Tank | Tank | A | Tank | | | |
| 33 | PATIL RUSHKESH 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 | VELPRADA SUREKHA C. | | | | | | | | | | |
| 41 | SAWANT ROHAN V. | | | | | | | | | | |
| 42 | DEUSARA JITESH A. | Bju | Bju | Bju | Bju | Bju | Bju | Bju | | | |
| 43 | RAUT KALPIT M. | | | | | | | | | | |



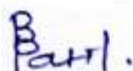
VIVA INSTITUTE OF TECHNOLOGY

(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 | gaur | gaur | gaur | gaur | gaur | gaur | gaur | gaur | gaur | | | |
| 6 | DEBBARWALLA DEVENGESH SURESH | | | | | | | | | | | | |
| 7 | BOHRE MITUL YADAV | | | | | | | | | | | | |
| 8 | BHARLE DHIRAJ RAJU | | | | | | | | | | | | |
| 9 | CHATURBASTI JIVANRANJIT | | | | | | | | | | | | |
| 10 | CHAVAN DEEPAK KAMU | CDR | CDR | CDR | CDR | CDR | CDR | CDR | CDR | CDR | | | |
| 11 | CHAVAN MATUL VIKAS | | | | | | | | | | | | |
| 12 | CHAVAN RUTUJA AJAY | | | | | | | | | | | | |
| 13 | DANDEKAR CHITRAJ | | | | | | | | | | | | |
| 14 | DARADE POOJA PRAKASH | Dante | Dante | Dante | Dante | Dante | Dante | Dante | Dante | Dante | | | |
| 15 | DAVANE DHRATI RAJESH | | | | | | | | | | | | |
| 16 | DEHERKAR YASH NARESH | | | | | | | | | | | | |
| 17 | DHANSAGADA AMBHAS GOVIND | | | | | | | | | | | | |
| 18 | DHOKTE VINAY SANTHEP | | | | | | | | | | | | |
| 19 | DHAKAR JAGRUTI SURESH | | | | | | | | | | | | |
| 20 | DHONKAR DINKAR VIKAS | Gaur | Gaur | Gaur | Gaur | Gaur | Gaur | Gaur | Gaur | Gaur | | | |
| 21 | GAUTAM ANJIT JURESI | | | | | | | | | | | | |
| 22 | GILBE LAXMI VINAY | | | | | | | | | | | | |
| 23 | GIRIJA PRIYA ATUL | | | | | | | | | | | | |
| 24 | GUPTA RAJENDRA BASHISHIT | | | | | | | | | | | | |
| 25 | GUPTA RECHA SHIVKUMAR | Gaur | Gaur | Gaur | Gaur | Gaur | Gaur | Gaur | Gaur | Gaur | | | |
| 26 | HADAL DIPALI GANPAT | HDP | HDP | HDP | HDP | HDP | HDP | HDP | HDP | HDP | | | |
| 27 | KADAM ADISHWARYA MANGESH | | | | | | | | | | | | |
| 28 | KAMERKAR VISHNABH MAHESH | Kaul | Kaul | Kaul | Kaul | Kaul | Kaul | Kaul | Kaul | Kaul | | | |
| 29 | KANADE SANJEEV SUNE | | | | | | | | | | | | |
| 30 | KHARDE PRASHANT 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 | MONDKAR SACHIN SAKRAM | | | | | | | | | | | | |
| 38 | PACHARDE ASHISHKUMAR A | | | | | | | | | | | | |
| 39 | PATIL ANIRUDDHA VISHWANATH | Patila | Patila | Patila | Patila | Patila | Patila | Patila | Patila | Patila | | | |
| 40 | PATIL ASHUTOSH SANDEEP | | | | | | | | | | | | |
| 41 | PATIL PRAMOD KANESH | | | | | | | | | | | | |
| 42 | PATE PRATHAMESH KANTI | | | | | | | | | | | | |
| 43 | PATE SHUBHAM LAGANNATH | | | | | | | | | | | | |



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 | BALDGADE PAVAN AHIRATH | | | | | | | | | | | | | | |
| 5 | BHOIR NATEK GANESH | 21/10 | 21/10 | 21/10 | 21/10 | 21/10 | 21/10 | 21/10 | 21/10 | 21/10 | 21/10 | 21/10 | | | |
| 6 | BHIRBAJALLA DEVENGL SURESH | | | | | | | | | | | | | | |
| 7 | BHOSLE MITALI VADAY | | | | | | | | | | | | | | |
| 8 | BURALE DHIRAJ RAJU | | | | | | | | | | | | | | |
| 9 | CHALWASA SHIVAM RANDEET | | | | | | | | | | | | | | |
| 10 | CHAVAN DIPALI HARU | CDR | CDR | CDR | CDR | CDR | CDR | CDR | CDR | CDR | CDR | CDR | | | |
| 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 VIKAS SANDEEP | | | | | | | | | | | | | | |
| 19 | GAIKAR JAGRUTI SURESH | | | | | | | | | | | | | | |
| 20 | GAONKAR ONKAR VIDAY | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | | | |
| 21 | GAVALANKET SURESH | | | | | | | | | | | | | | |
| 22 | GILBIL LAXMI VIDAY | | | | | | | | | | | | | | |
| 23 | GUPTA PUSPA ATUL | | | | | | | | | | | | | | |
| 24 | GUPTA RAJENDRA BASHISTH | | | | | | | | | | | | | | |
| 25 | GUPTA REEHA SHEVKUMAR | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | Gaith | | | |
| 26 | KADAL DEPALI GANPAT | HDX | HDX | HDX | HDX | HDX | HDX | HDX | HDX | HDX | HDX | HDX | | | |
| 27 | KADAM ASHVARYA NARESH | | | | | | | | | | | | | | |
| 28 | KAMERKAR VEUSHABH NARESH | Kand | Kand | Kand | Kand | Kand | Kand | Kand | Kand | Kand | Kand | Kand | | | |
| 29 | KANADE SAMBUDH SUNIL | | | | | | | | | | | | | | |
| 30 | KHARDE PRASHANT P | | | | | | | | | | | | | | |
| 31 | KHARANGE VISHAL PRAMOD | | | | | | | | | | | | | | |
| 32 | KHOSKAR KUSHAL VIKAS | | | | | | | | | | | | | | |
| 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 | Pati | Pati | Pati | Pati | Pati | Pati | Pati | Pati | Pati | Pati | Pati | | | |
| 41 | PATEL PRAMOD JAMESH | | | | | | | | | | | | | | |
| 42 | PATEL PRATHAMESH KANTI | | | | | | | | | | | | | | |
| 43 | PATEL SURESH JAGANNATH | | | | | | | | | | | | | | |



| | | | | | | | | | |
|----|----------------------------|------------------------|--|--|--|--|--|--|--|
| 44 | PEDNEKAR ONEL ANANDA | | | | | | | | |
| 45 | RAME NITRA PRAKASH | | | | | | | | |
| 46 | RATHOD PRASHEEL RAJESH | | | | | | | | |
| 47 | SAKPAL TEJAS RAMCHANDRA | | | | | | | | |
| 48 | SALUNKHE RIYA BHARAT | | | | | | | | |
| 49 | SAMANT AADITYA GERISH | | | | | | | | |
| 50 | SASE PARAG RAMESH | | | | | | | | |
| 51 | SAWANT BHAVATA JAYPRAKASH | | | | | | | | |
| 52 | SAWANT SANKET DATTATRAYA | | | | | | | | |
| 53 | SAFYED NEHAL IMAM | | | | | | | | |
| 54 | SHAIPOOJA MUKESH | | | | | | | | |
| 55 | SHAIKH MOHAMMED ANAS | | | | | | | | |
| 56 | SHAIKH MOHAMMED YAKUB | | | | | | | | |
| 57 | SHINDE SURAJ KANHUJI | | | | | | | | |
| 58 | SINGH ADARSH KUMAR ARUN | | | | | | | | |
| 59 | SINGH PRADJEET JASSER | | | | | | | | |
| 60 | SINGH PRIYA SHUJINAHAYAN | | | | | | | | |
| 61 | SOLANKI VIGNNESH DILIP | | | | | | | | |
| 62 | SOLIM HITESH RAMCHANDRA | | | | | | | | |
| 63 | TANORE HIMANSHU KIRAN | | | | | | | | |
| 64 | TRASHYAY VINAY UMESH | | | | | | | | |
| 65 | VICHARE PRANIT SUHAS | | | | | | | | |
| 66 | VISHWAKARNA BRIJESH RAMESH | | | | | | | | |
| 67 | WANKHEDE MANISH FURDLIK | | | | | | | | |
| 68 | YADAV PANKAJ S | | | | | | | | |
| 69 | NAK SUKANYA B | | | | | | | | |
| 70 | KAMT SPURTES | | | | | | | | |
| 71 | SHIVNEKAR VISHNU D | | | | | | | | |
| 72 | PANDHAR JATIN V | | | | | | | | |
| 73 | MUNGDEKAR ASHISH | | | | | | | | |
| 74 | KANDSE ROHAN I | | | | | | | | |
| 75 | DAISWAL AMITKUMAR | | | | | | | | |
| | | NO OF STUDENTS PRESENT | | | | | | | |

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 | BHIDE PAWAN AGNATH | | | | | | | | | | | |
| 5 | BHOIR NAITIK GANESH | अनुर | अनुर | अनुर | अनुर | अनुर | अनुर | अनुर | अनुर | | | |
| 6 | BHUBAWALA DEVANEE SURESH | | | | | | | | | | | |
| 7 | BHOSLE MITALI YADAV | | | | | | | | | | | |
| 8 | BUKALE DHIRAJ RAZI | DBR | DBR | DBR | DBR | DBR | DBR | DBR | DBR | | | |
| 9 | CHAUDHARI SHIVAM RANJIT | | | | | | | | | | | |
| 10 | CHAVAN DEEPALE RASHI | | | | | | | | | | | |
| 11 | CHAVAN MAYUR VIKAS | Murli | Murli | Murli | Murli | Murli | Murli | Murli | Murli | | | |
| 12 | CHAVAN RUTUJA AJAY | | | | | | | | | | | |
| 13 | CHANDKAR CHENHAY | Dar | Dar | Dar | Dar | Dar | Dar | Dar | Dar | | | |
| 14 | DARADE POOJA PRAKASH | | | | | | | | | | | |
| 15 | DAYANE ISHANI RAJESH | | | | | | | | | | | |
| 16 | DEHERKAR YASH MARISH | YNDR | YNDR | YNDR | YNDR | YNDR | YNDR | YNDR | YNDR | | | |
| 17 | DHANGADA AYESH GOVIND | | | | | | | | | | | |
| 18 | DHOKTE VIKAS SANDEEP | | | | | | | | | | | |
| 19 | GAIKAR JAGRUTI SURESH | | | | | | | | | | | |
| 20 | GAONKAR DHIRAJ VIJAY | | | | | | | | | | | |
| 21 | GAUT AMKET SURESH | 3DPR | 3DPR | 3DPR | 3DPR | 3DPR | 3DPR | 3DPR | 3DPR | | | |
| 22 | GILBIL LAXMI VIJAY | | | | | | | | | | | |
| 23 | GUPTA RIYA ATUL | | | | | | | | | | | |
| 24 | GUPTA RAJENDRA BASHISTH | | | | | | | | | | | |
| 25 | GUPTA REEMA SHIVKUMAR | | | | | | | | | | | |
| 26 | HADAL DIPALI GANPAT | | | | | | | | | | | |
| 27 | KADAM ASHOKARAYA MARGESH | MKADR | MKADR | MKADR | MKADR | MKADR | MKADR | MKADR | MKADR | | | |
| 28 | KAMBERKAR VRUSHABH MAHESH | | | | | | | | | | | |
| 29 | KANADY SAMBUDHINI SUNIL | OPNR | OPNR | OPNR | OPNR | OPNR | OPNR | OPNR | OPNR | | | |
| 30 | KHARDE PRASANT P | | | | | | | | | | | |
| 31 | KIRANGE VAIBHAV PRAMOD | | | | | | | | | | | |
| 32 | KOLEKAR KUSHAL VILAS | | | | | | | | | | | |
| 33 | KOTIAN DHIRAJ JAGDISH | KDR | KDR | KDR | KDR | KDR | KDR | KDR | KDR | | | |
| 34 | KUTIBHAVAN PRAVEEN | | | | | | | | | | | |
| 35 | MARDOLEKAR SACHIN DINKAR | | | | | | | | | | | |
| 36 | MENKA SANDEEP NEERAMANI | | | | | | | | | | | |
| 37 | MONKAR SACHIN SHIVKUMAR | | | | | | | | | | | |
| 38 | PACHAREKAR ASHESHKUMAR A | PAA | PAA | PAA | PAA | PAA | PAA | PAA | PAA | | | |
| 39 | PATE ANDRUDDHA VISHWANATH | | | | | | | | | | | |
| 40 | PATE ASHUTOSH SANDEEP | | | | | | | | | | | |
| 41 | PATE PRAMOD RAMESH | PAPR | PAPR | PAPR | PAPR | PAPR | PAPR | PAPR | PAPR | | | |
| 42 | PATE PRATHAMESH RANDE | | | | | | | | | | | |
| 43 | PATE SHUBHAM JAGANNATH | | | | | | | | | | | |



VIVA Institute of Technology, Virar

T.E. ELECTRICAL (2019-2020)

SUBJECT:

SUBJECT INCHARGE:

| Sl. No. | Name | 10/7/19 | 10/8/19 | 10/9/19 | 10/10/19 | 10/11/19 | 10/12/19 | 10/1/20 | 10/2/20 | P | C | T |
|---------|----------------------------|---------|---------|---------|----------|----------|----------|---------|---------|---|---|---|
| 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 | MOIR | MOIR | MOIR | MOIR | MOIR | MOIR | MOIR | MOIR | | | |
| 6 | BHURAWALLA DEVANTEE SURESH | | | | | | | | | | | |
| 7 | BOROLE METALI YADAV | | | | | | | | | | | |
| 8 | BURKALE DHIRAJ RAMU | | | | | | | | | | | |
| 9 | CHAUHAN SHIVAM RAMJEET | SHIVAM | SHIVAM | SHIVAM | SHIVAM | SHIVAM | SHIVAM | SHIVAM | SHIVAM | | | |
| 10 | CHAVAN DEEPA RAJU | | | | | | | | | | | |
| 11 | CHAVAN MAYUR VIDAY | | | | | | | | | | | |
| 12 | CHAVAN RUTUM AJAY | | | | | | | | | | | |
| 13 | DANDEKAR CHINMAY | | | | | | | | | | | |
| 14 | DARADE POOJA PRAKASH | | | | | | | | | | | |
| 15 | DAVANE SHANT RAJESH | Darane | Darane | Darane | Darane | Darane | Darane | Darane | Darane | | | |
| 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 | PRIYA | PRIYA | PRIYA | PRIYA | PRIYA | PRIYA | PRIYA | PRIYA | | | |
| 24 | GUPTA RAJENDRA BASHISHT | | | | | | | | | | | |
| 25 | GUPTA REEMA SHEVKUMAR | | | | | | | | | | | |
| 26 | HADAL DIPALI GANPAT | | | | | | | | | | | |
| 27 | KADAM ABHIMANYU MANGESH | | | | | | | | | | | |
| 28 | KAMERKAR VRUSHABH MAHESH | | | | | | | | | | | |
| 29 | KARADE SANJEEV SUNEIL | | | | | | | | | | | |
| 30 | KHARDE PRASHANT P | | | | | | | | | | | |
| 31 | KHARKE VISHAL 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 INDRAJANI | | | | | | | | | | | |
| 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 | | | | | | | | | | | |



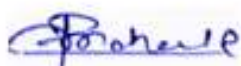
VIVA INSTITUTE OF TECHNOLOGY

(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 | 30/19 | P | C | T |
|--------|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|
| 1 | AMDE MITESH ADITYA | | | | | | | | | | | | |
| 2 | BAGUL DHIRAJ RAMESH | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | 8 | | |
| 3 | BHATKAR VINIT VINOD | | | | | | | | | | | | |
| 4 | BORDE AKASH RAVINDRA | | | | | | | | | | | | |
| 5 | CHAUDHARI SHANT | | | | | | | | | | | | |
| 6 | CHAUDHARI PRASAD PRADIP | | | | | | | | | | | | |
| 7 | DASHWALKAR MAYUR KRISHNA | DM | Pass | DM | DM | DM | DM | DM | DM | DM | 8 | | |
| 8 | DHANGAR ROHINI KALINDRA | | | | | | | | | | | | |
| 9 | DHANU HARSH NARAYAN | | | | | | | | | | | | |
| 10 | DHURU AMRUTA SUNIL | | | | | | | | | | | | |
| 11 | DODGE GAYATRI SUNIL | Ly | Ly | Ly | Ly | Ly | Ly | Ly | Ly | Ly | 8 | | |
| 12 | DURKAD ARASH | | | | | | | | | | | | |
| 13 | DURKAD SANTOSH GORAKH | | | | | | | | | | | | |
| 14 | DURKAD AMBET ESHWARY | LA | LA | LA | LA | LA | LA | LA | LA | LA | 8 | | |
| 15 | GEL VIKAS | | | | | | | | | | | | |
| 16 | GITE PUSHPA RAVI | | | | | | | | | | | | |
| 17 | GUPTA GOR MOHAN | | | | | | | | | | | | |
| 18 | GUPTA NARAYAN | | | | | | | | | | | | |
| 19 | HADHAY CHIRAG KRISHNANATH | TC | TC | TC | TC | TC | TC | TC | TC | TC | 8 | | |
| 20 | HADHAY VIKASABHAI KISHOR | | | | | | | | | | | | |
| 21 | HADHAY TANDRA RAJESHWARI | | | | | | | | | | | | |
| 22 | KAMBLE SONAL DADAN | | | | | | | | | | | | |
| 23 | KHAN SHIREEN FATMA ALI AHMED | | | | | | | | | | | | |
| 24 | KHARDEKAR DIP | | | | | | | | | | | | |
| 25 | KUDAL RAJESH RAMESH | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | 8 | | |
| 26 | MANDAYAR ABHISHEK VASANT | | | | | | | | | | | | |
| 27 | MAR ASHUT RAJENDRAN | | | | | | | | | | | | |
| 28 | MARVE BILHAN RAMCHANDRA | | | | | | | | | | | | |
| 29 | MARVE ABBAS ARUN | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | 8 | | |
| 30 | MARVE NEEL | | | | | | | | | | | | |
| 31 | MARVE SHREYAS RUMANT | | | | | | | | | | | | |
| 32 | MARVE NISHA DIPAN | | | | | | | | | | | | |
| 33 | MARVE CHIRAG RAJESH | | | | | | | | | | | | |
| 34 | MARVE PRANAV VIKAS | | | | | | | | | | | | |
| 35 | MARVE RAVI RAJESH | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | 8 | | |
| 36 | MARVE ADARSH JAYANT | | | | | | | | | | | | |
| 37 | MARVE PRANAV RAJESH | | | | | | | | | | | | |
| 38 | MARVE SUDHANU | | | | | | | | | | | | |
| 39 | MARVE ANAN LADHAN | | | | | | | | | | | | |
| 40 | MARVE CHIRAG RAJESH | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass | 8 | | |
| 41 | MARVE RAVI RAJESH | | | | | | | | | | | | |
| 42 | MARVE ADARSH JAYANT | | | | | | | | | | | | |
| 43 | MARVE ANAN LADHAN | | | | | | | | | | | | |
| 44 | MARVE CHIRAG RAJESH | | | | | | | | | | | | |
| 45 | MARVE RAVI RAJESH | | | | | | | | | | | | |
| 46 | MARVE ADARSH JAYANT | | | | | | | | | | | | |
| 47 | MARVE ANAN LADHAN | | | | | | | | | | | | |
| 48 | MARVE CHIRAG RAJESH | | | | | | | | | | | | |
| 49 | MARVE RAVI RAJESH | | | | | | | | | | | | |
| 50 | MARVE ADARSH JAYANT | | | | | | | | | | | | |



[illegible]

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


SUBJECT IN CHARGE



VIVA INSTITUTE OF TECHNOLOGY

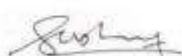
(Affiliated to University of Mumbai; Approved by AICTE & DTE)

Veer Savarkar Marg, Shirgaon, Virar 401303

Department of Electrical Engineering

CERTIFICATE

This is to certify that,
Mr./Ms. 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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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.





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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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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. **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





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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

web: 06/01/2020

Vishnu Waman Thakur Charitable Trust's
 VIVA Institute of Technology
 SHIRGAON, VIRAR (E)
 B.E. DIV A CIVIL SEM VIII
 ATTENDANCE SHEET 2019-20

Date: 10/11/2019

SHEET NO: _____

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 | Pr Total | CP | Gr Total |
|----------|---------------------------|------|------|-----|------|------|---|---|---|----------|----|----------|
| 1 | AHIRE ANOL ANIL | Anol | Anol | A | Anol | Anol | | | | | | |
| 2 | AHIRE VARNISHA RATAN | A | A | A | A | A | | | | | | |
| 3 | AHIRAO ABHISHEK | A | A | A | A | A | | | | | | |
| 4 | ALAV MAYUR MADHUKAR | A | A | A | A | A | | | | | | |
| 5 | AMBEKAR AJAY PRAKASH | A | A | A | A | A | | | | | | |
| 6 | ANJAREKAR SNEHAL | A | A | A | A | A | | | | | | |
| 7 | ARORA MITESH RAJESH | A | A | 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 | A | A | A | A | A | | | | | | |
| 11 | BARI VAISHNAVI | A | A | A | A | A | | | | | | |
| 12 | BHAGWAT SOHAM | A | A | A | A | A | | | | | | |
| 13 | BHOSALE ABHISHEK | A | A | A | A | A | | | | | | |
| 14 | BHOSALE YASHRAJ SURESH | A | A | A | A | A | | | | | | |
| 15 | BIJWE RAHUL SANJAY | A | A | A | A | A | | | | | | |
| 16 | BORKAR TEJAL SUNIL | A | A | A | A | A | | | | | | |
| 17 | CHAUGHULE SHEETAL | A | A | A | A | A | | | | | | |
| 18 | CHAUGULE ADITI ANANT | A | A | A | A | A | | | | | | |
| 19 | CHAURASIA PRATIK DINESH | A | A | A | A | A | | | | | | |
| 20 | CHAVAN ANIKET RAMESH | A | A | A | A | A | | | | | | |
| 21 | CHAVAN VRUSHALI ARUN | A | A | A | A | A | | | | | | |
| 22 | CHURI RUSHIT RAMESH | A | A | A | A | A | | | | | | |
| 23 | DARPE PRAFUL PANDURANG | A | A | A | A | A | | | | | | |
| 24 | DHAMAPURKAR RAHUL | A | A | A | A | A | | | | | | |
| 25 | DHOBLE AKASH VINAYAK | A | A | A | A | A | | | | | | |
| 26 | GAJARE AJINKYA DAULAT | A | A | A | A | A | | | | | | |
| 27 | GAUTAM RAHUL | A | A | A | A | A | | | | | | |
| 28 | GAWAD ABHISHEK KIRAN | A | A | A | A | A | | | | | | |
| 29 | GHAG DIPTI RAVINDRA | A | A | A | A | A | | | | | | |
| 30 | GITE VAIBHAV VINAYAK | A | A | A | A | A | | | | | | |
| 31 | GONDHALEKAR SAURABH | A | A | A | A | A | | | | | | |





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we: 06/01/2020
 B.E. DIV A CIVIL SEM VIII
 ATTENDANCE SHEET 2019-20
 NAME OF THE FACULTY: _____ 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 | HADHAL 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 | Ashok | 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 | Rishab | Rishab | 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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VIVA INSTITUTE OF TECHNOLOGY
 Shirgaon, Virar (E), Tal: Vasai, Dist: Palghar – 401 305.
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 | | | |
| 63 | 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

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

Dr. Ganesh Agrawal





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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 **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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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 | WAGHARVA 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 VJAYSHANKAR | 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 YASHWANT | P.Patil | P.Patil | P.Patil | P.Patil | P.Patil | P.Patil | P.Patil | P.Patil | P.Patil | P.Patil |



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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 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







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. |



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 Paresb 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 Paresb Yashwant | Paresb | Paresb | Paresb | Paresb | Paresb | Paresb | Paresb | Paresb | Paresb | Paresb |
| 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 |



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 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



- ElGamal 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 | VR | VR | VR | VR | VR | VR | |
| 3 | AVHIRKAR GAURAV GANESH | Gaurav | Gaurav | Gaurav | A | Gaurav | Gaurav | |
| 4 | BANERJEE VIJAY | VijayB | VijayB | VijayB | VijayB | VijayB | VijayB | |
| 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 | JAISWAL 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 | Atharva | Atharva | Atharva | Atharva | Atharva | Atharva | |
| 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 | MESTRY 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 | Apurva | Apurva | Apurva | Apurva | Apurva | Apurva | |
| 55 | RAUT JULEY SANGRAM | A | A | A | A | A | A | |
| 56 | RAUT NIDHA MAHESHI | A | A | A | A | A | A | |
| 57 | SANKH MANDAR RAJENDRA | Mandar | Mandar | Mandar | Mandar | Mandar | Mandar | |
| 58 | SHAIKH MERAJ AHI | Meraaj | Meraaj | Meraaj | Meraaj | Meraaj | Meraaj | |
| 59 | SHARMA AMAN | Aman | Aman | Aman | Aman | Aman | Aman | |
| 60 | SHETKAR SHUBHAM | Shubham | Shubham | Shubham | Shubham | Shubham | Shubham | |
| 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 | Jui | Jui | Jui | Jui | Jui | Jui | |
| 67 | THAKUR DIPAL SANTOSH | A | A | A | A | A | A | |
| 68 | THAKUR SIDDHESH SACHIN | Siddhesh | Siddhesh | Siddhesh | Siddhesh | Siddhesh | Siddhesh | |
| 69 | UGALE SHIRADDHA VIJAY | Ugale | Ugale | Ugale | Ugale | Ugale | Ugale | |
| 70 | VASKAR AKSHAY ASHISH | Vaskar | A | Vaskar | Vaskar | Vaskar | Vaskar | |
| 71 | YADAV KULDEEP RAMKEWAL | Kuldeep | Kuldeep | Kuldeep | Kuldeep | Kuldeep | Kuldeep | |
| 72 | YADAV NAVHEN 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 | SUVARNA RAHUL KAMLAKAR | Rahul | Rahul | Rahul | Rahul | Rahul | Rahul | |
| 81 | JOSHI VAIBHAV VIJAY | A | A | A | A | A | A | |
| 82 | AMIN ANUSH KARUNAKAR | A | A | A | A | A | A | |



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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





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- ✓ 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





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

Session 10:

Feedback



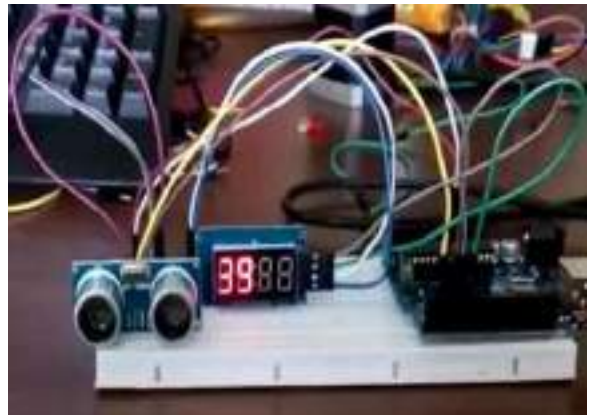


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Report

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.





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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.





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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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Attendance Sheet:



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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 of Digital I/O | Arduino Analog I/O Interfacing of I2C, 1D, 485 & relay module | Programming for Interfacing of Temp. sensor, Low Encoder & 4x4 Keypad | Programming & Interfacing of I2C, 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 | | | | | | | | | | | |
| 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 & programming of Digital pin. | | Arduino Project 20: Interfacing IR, LED, buzzer, relay, etc. | | Programming for interfacing of temp. sensor, buzzer, relay, etc. | | Programming & interfacing of SSD, LCD, keypad. | | Industry 1.0 & 2.0 project guidelines. | |
| 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 |
| 13 | Tharvi Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh | Hitesh |
| 14 | Ganesh Dhanavallam | Dhanav | Dhanav | AB | AB | Dhanav | Dhanav | Dhanav | Dhanav | Dhanav | Dhanav |
| 15 | Popalkar Sumit | Sumit | Sumit | Sumit | Sumit | Sumit | Sumit | Sumit | Sumit | Sumit | Sumit |
| 16 | Khade Sachin | Sachin | Sachin | Sachin | Sachin | Sachin | Sachin | Sachin | Sachin | Sachin | Sachin |
| 17 | Kojankar Gaurav | Gaurav | Gaurav | Gaurav | Gaurav | Gaurav | Gaurav | Gaurav | Gaurav | Gaurav | Gaurav |
| 18 | Varna Sagar | Sagar | Sagar | Sagar | Sagar | Sagar | Sagar | Sagar | Sagar | Sagar | Sagar |
| 19 | Dandekar Chaitanya | AB | AB | AB | AB | AB | AB | AB | AB | AB | AB |
| 20 | Patkar Sufyan | Sufyan | Sufyan | Sufyan | Sufyan | Sufyan | Sufyan | Sufyan | Sufyan | Sufyan | Sufyan |
| 21 | Dandekar Supriya | Supriya | Supriya | Supriya | Supriya | Supriya | Supriya | Supriya | Supriya | Supriya | Supriya |
| 22 | Patilak Pankaj | Pankaj | Pankaj | Pankaj | Pankaj | Pankaj | Pankaj | Pankaj | Pankaj | Pankaj | Pankaj |
| 23 | Jha Pooja | Pooja | Pooja | Pooja | Pooja | Pooja | Pooja | Pooja | Pooja | Pooja | Pooja |
| 24 | Patwa Karishma | Karishma | Karishma | AB | AB | Karishma | Karishma | Karishma | Karishma | Karishma | Karishma |
| 25 | Sahani Sami | Samir | Samir | Samir | Samir | Samir | Samir | Samir | Samir | Samir | Samir |
| 26 | Palladi Rubini | Rubini | Rubini | Rubini | Rubini | Rubini | Rubini | Rubini | Rubini | Rubini | Rubini |
| Name & Sign of Speaker | | Mutan Malakar | Mutan Malakar | Mutan Malakar | Mutan Malakar | Mutan Malakar | Mutan Malakar | Mutan Malakar | Mutan Malakar | Mutan Malakar | Mutan Malakar |





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Model Certificate





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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 |





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

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.





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.





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

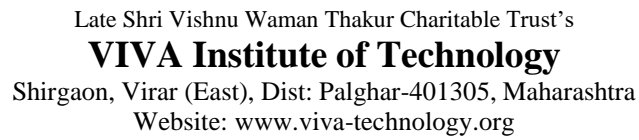


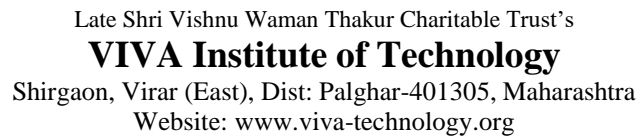
Department of Electronics and Telecommunication Engineering Model Certificate



Student Certificate:



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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.





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

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.





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 |
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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





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** Page **01** of **01**

| Sl. No. | Name of Student | Date | | | | | | | | | | | |
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Mrs. Deeshree Ugvekar

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., Filleting 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 Yashu Yashu Waman Charnable Trnafi
VIVA Institute of Technology
 At Shingam, 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. Shergon, 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 | | | | |
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| | | | 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 |
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| 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 | NUJAI 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 |



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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 Shirgaon, 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 ABHIDNYA MANOJKUMAR | SE | Abhidnya | Abhidnya | Abhidnya | Abhidnya | Abhidnya |
| 6 | BHAMARE MAYURI ROHIDAS SHAILAJA | TE | Mayuri | Mayuri | Mayuri | Mayuri | Mayuri |
| 7 | JHA BALRAM CHANDRAKANT NAGINA | TE | Balram | Balram | Balram | Balram | Balram |
| 8 | KHAN SHAHNAWAZ IDRIS SHAMIMUNNISHA | TE | Shahnawaz | Shahnawaz | Shahnawaz | Shahnawaz | Shahnawaz |
| 9 | PATEL PANKAJ SURENDRA SANGEETA | TE | Pankaj | Pankaj | Pankaj | Pankaj | Pankaj |
| 10 | GHARAT GIRISH NARESH NAMRATA | BE | Girish | Girish | Girish | Girish | Girish |
| 11 | GHARAT SANIL SACHIN SANGEETA | BE | Sanil | Sanil | Sanil | Sanil | Sanil |
| 12 | KHAN ABDUL KARIM | BE | Abdul | Abdul | Abdul | Abdul | Abdul |
| 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: Shingam, Vite (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 | Abhidnya | Abhidnya | Abhidnya | Abhidnya | Abhidnya |
| 6 | SHAMARE 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 NAMILATA | 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 MARUTI 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
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 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. 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.Bh | V.Bh | AB | V.Bh | V.Bh |
| 26 | VARTAK BHAVIN KEVAL GEETA | BE | V.Bh | V.Bh | V.Bh | V.Bh | V.Bh |
| 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 | Vijay | Vijay | AB | Vijay | Vijay |

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 | Chipkar | Chipkar | Chipkar | Chipkar |
| 4 | DADAS RAHUL RAMCHANDRA SHEELA | BE | D.Potul | D.Potul | D.Potul | D.Potul | D.Potul |
| 5 | GADA DIPAM BIPIN REKHA | BE | Gipam | Gipam | Gipam | Gipam | 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.PETI | AB | R.PETI | R.PETI | R.PETI |
| 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 OMAR 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 | Navnit | Navnit | Navnit | Navnit | Navnit |
| 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

S.E. ELECTRICAL (2018-2019)

SUBJECT: Printed CB design
SUBJECT INCHARGE: Bhavita Patil

| R. No. | Name | 6/9/18 | 6/10/18 | 13/10/18 | 13/11/18 | 20/11/18 | 27/11/18 | 3/12/18 | 3/12/18 | 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 | GACHKAR ONKAR VDAY | | | | | | | | | | | |
| 10 | GURU PRAVIL 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 GURISH | Prasan | Prasan | Prasan | Prasan | Prasan | Prasan | Prasan | Prasan | | | |
| 29 | SASE PARAS RAJESH | | | | | | | | | | | |
| 30 | SAWANT BHAVANA JAYPRAKASH | | | | | | | | | | | |
| 31 | SAWANT SANKET DATTATRAYA | | | | | | | | | | | |
| 32 | SHINDE ASHRAY SANTOSH | | | | | | | | | | | |
| 33 | SINGH ADARSHKUMAR ARUN | विम | विम | विम | विम | विम | विम | विम | विम | | | |
| 34 | SINGH PRASJEET JASBIR | | | | | | | | | | | |
| 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 ANKUSH JAYPRAYASH | | | | | | | | | | | |
| 41 | YADAV PANKAJ SURESHCHANDRA | | | | | | | | | | | |
| 42 | YADAV TANAY RAGHODAS | | | | | | | | | | | |
| 43 | KOLEKAR KUSHAL VILAS | | | | | | | | | | | |



[illegible]

Born/
SUBJECT IN CHARGE



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 | 4/10/18 | 16/10/18 | P | C | T |
|--------|------------------------------|---------|---------|--------|--------|---------|---------|---------|----------|---|---|---|
| 1 | CHANDAN KESHAV CHANDAN | | | | | | | | | | | |
| 2 | BAGWE NINAD PRASAD | | | | | | | | | | | |
| 3 | BHOSLE NITIN GANESH | अनिर | A | अनिर | अनिर | अनिर | अनिर | A | अनिर | | | |
| 4 | BURDGE DHIRAJ RAJU | | | | | | | | | | | |
| 5 | CHAVAN RUTUJA AJAY | | | | | | | | | | | |
| 6 | DAUDEKAR CHINMAY | | | | | | | | | | | |
| 7 | DAULADE POOJA PRAKASH | | | | | | | | | | | |
| 8 | DEVIL KATKASH JETARAJ | | | | | | | | | | | |
| 9 | GAONKAR ONKAR VIJAY | | | | | | | | | | | |
| 10 | GURJAN KANDEL | | | | | | | | | | | |
| 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 | KARAWATILKARNI | | | | | | | | | | | |
| 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 ANIRUDDH 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 | Sekar | A | Sekar | Sekar | | | |
| 25 | RANE NETRA PRAKASH | | | | | | | | | | | |
| 26 | SAKPAL TEJAS RAMCHANDRA | | | | | | | | | | | |
| 27 | SALLUNKHE RIYA BHARAT | | | | | | | | | | | |
| 28 | SAMANT AADITYA GIRISH | Amir | Amir | Amir | Amir | A | Amir | Amir | Amir | | | |
| 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 | Sin | Sin | Sin | Sin | Sin | Sin | Sin | Sin | | | |
| 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 | 28/10/18 | 11/11/18 | P | C | T |
|---------|------------------------------|---------|---------|----------|----------|----------|----------|----------|----------|---|---|---|
| 1 | CHAVAN KARTIK ANIL KAVANSH | | | | | | | | | | | |
| 2 | BAGWE NINAD PRASAD | | | | | | | | | | | |
| 3 | BHOIR RAJESH GANESH | SR | SR | SR | SR | SR | SR | SR | SR | | | |
| 4 | BHARDE DHIRAJ RAVI | | | | | | | | | | | |
| 5 | CHAVAN RUTUJA AJAY | | | | | | | | | | | |
| 6 | DANDekar CHIDHAR | | | | | | | | | | | |
| 7 | DARDE POOJA PRakash | | | | | | | | | | | |
| 8 | DEVE ETANISH SITARAM | | | | | | | | | | | |
| 9 | GADNAR ONKAR VIJAY | | | | | | | | | | | |
| 10 | GEN. PAVAN RAJESH | | | | | | | | | | | |
| 11 | GUPTA RAJENDRA BASHIST | GuP | GuP | GuP | GuP | GuP | GuP | GuP | GuP | | | |
| 12 | GUPTA REEMA SHUKUMAR | | | | | | | | | | | |
| 13 | JAGRAUTI SURESH GANESH | GuP | GuP | GuP | GuP | GuP | GuP | GuP | GuP | | | |
| 14 | JOSHI TILAK DHRUV | | | | | | | | | | | |
| 15 | KAMERKAR VRUSHABH MAHESH | | | | | | | | | | | |
| 16 | KOTIYAR DHIRAJ JAGDISH | | | | | | | | | | | |
| 17 | MARDOLKAR SACHIN DINKAR | SR | SR | SR | SR | SR | SR | SR | SR | | | |
| 18 | MATHEWASA PRANTH | | | | | | | | | | | |
| 19 | MISHRA ANIL KISHOR KUMAR | | | | | | | | | | | |
| 20 | PADHAREKAR ASHES KUMAR ASHOK | | | | | | | | | | | |
| 21 | PATEL AMRUDHRA VISHWANATH | | | | | | | | | | | |
| 22 | PATEL ASHUTOSH SANDEEP | | | | | | | | | | | |
| 23 | PATEL PRATHAMESH KANIT | SR | SR | SR | SR | SR | SR | SR | SR | | | |
| 24 | RAI SHUBHAM UTTAM | | | | | | | | | | | |
| 25 | RAVE NEERA PRakash | | | | | | | | | | | |
| 26 | SAKRAL TEJAS RAMCHANDRA | | | | | | | | | | | |
| 27 | SALUNKHE RIYA BHARAT | | | | | | | | | | | |
| 28 | SARANT RADITYA GIRISH | SR | SR | SR | SR | SR | SR | SR | SR | | | |
| 29 | SASE PARAG RAJESH | SR | SR | SR | SR | SR | SR | SR | SR | | | |
| 30 | SAWANT BHAVANA JAYPRakash | | | | | | | | | | | |
| 31 | SAWANT SANKET DATTATRAYA | SR | SR | SR | SR | SR | SR | SR | SR | | | |
| 32 | SHINDE ASHAY ANIL | | | | | | | | | | | |
| 33 | SINGH ADARSHKUMAR ARUN | SR | SR | SR | SR | SR | SR | SR | SR | | | |
| 34 | SINGH PRABJEET JASBIR | | | | | | | | | | | |
| 35 | SINGH PRIYA SHUBHINARAYAN | | | | | | | | | | | |
| 36 | SOLANKI VIGNESH DILIP | | | | | | | | | | | |
| 37 | SOLIN HITESH RAMCHANDRA | | | | | | | | | | | |
| 38 | UPADHYAY VINAY UMESH | | | | | | | | | | | |
| 39 | VISHWAKARMA BRIJESH RAMESH | VR | VR | VR | VR | VR | VR | VR | VR | | | |
| 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 RUTUJA AJAY | | | | | | | | | | | | |
| 2 | SAGWE NINAD PRASAD | | | | | | | | | | | | |
| 3 | BHOIR RAITIK GANESH | grik | A | grik | grik | grik | grik | grik | grik | grik | | | |
| 4 | BURALE DHIRAJ RAJ | | | | | | | | | | | | |
| 5 | CHAVAN RUTUJA AJAY | | | | | | | | | | | | |
| 6 | DANDEKAR CHINMAY | | | | | | | | | | | | |
| 7 | DARADE POOJA PRAKASH | | | | | | | | | | | | |
| 8 | DEVDE KANISH KETURAM | | | | | | | | | | | | |
| 9 | GAONKAR ONKAR VIDAY | | | | | | | | | | | | |
| 10 | GIRI RAHUL RAJESH | | | | | | | | | | | | |
| 11 | GUPTA RAJENDRA BASHISHT | Gup | Gup | Gup | Gup | Gup | A | Gup | Gup | Gup | | | |
| 12 | GUPTA REEMA SHIVKUMAR | | | | | | | | | | | | |
| 13 | JAGRUTI SURESH GADKAR | Gad | Gad | Gad | A | Gad | A | Gad | Gad | Gad | | | |
| 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 | KURSAWATI RAJESH KAPAS | | | | | | | | | | | | |
| 20 | PACHAREKAR ASHESHKUMAR ASHOK | | | | | | | | | | | | |
| 21 | PATEL ANURUDHA VISHWANATH | | | | | | | | | | | | |
| 22 | PATEL ASHUTOSH SANDEEP | | | | | | | | | | | | |
| 23 | PATEL PRATHAMESH KANTIL | | | | | | | | | | | | |
| 24 | RAI SHUBHAM UTTAM | Sur | Sur | Sur | Sur | A | Sur | A | Sur | Sur | | | |
| 25 | RANE NETRA PRAKASH | | | | | | | | | | | | |
| 26 | SAKPAL TEJAS RAMCHANDRA | | | | | | | | | | | | |
| 27 | SALUNKHE RIYA BHARAT | | | | | | | | | | | | |
| 28 | SAHANT AADITYA GIRISH | prg | prg | prg | prg | prg | prg | prg | prg | prg | | | |
| 29 | SASE PARAG RAJESH | | | | | | | | | | | | |
| 30 | SAWANT BHAVANA JAYPRAKASH | | | | | | | | | | | | |
| 31 | SAWANT SANKET DATTATRAYA | | | | | | | | | | | | |
| 32 | SHINDE ASHOK RANJAN | | | | | | | | | | | | |
| 33 | SINGH ADARSHKUMAR ARUN | gri | gri | gri | A | gri | gri | gri | gri | gri | | | |
| 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 | ZAWADE DHRUW SURESH | | | | | | | | | | | | |
| 41 | YADAV PANKAJ SURESHCHANDRA | | | | | | | | | | | | |
| 42 | ZAWADE DHRUW 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 |
|---|--|---|



| | | |
|---|--|---|
| | 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 | MOONAL ANSHIK PAVAN | A | A | A | A | A | A | A | A | | | |
| 2 | VIREN MITESHADITYA | | | | | | | | | | | |
| 3 | DAJEL DHIRAJ RAMESH | B | B | B | B | B | | B | B | | | |
| 4 | BIJATKAR VINIT VINOD | | | | | | | | | | | |
| 5 | DEBDE AKASH RAVINDRA | | | | | | | | | | | |
| 6 | CHANDRASEK PRASAD PRADIP | P | | P | | P | | P | P | | | |
| 7 | DAHREKAR MAYUR KUNDINA | | | | | | | | | | | |
| 8 | DAGHANE SALUNKE SANDISH | | | | | | | | | | | |
| 9 | DEVALLA NIRAJ RAJESH-KUMAR | PD | PD | PD | | PD | | PD | PD | | | |
| 10 | DHANGAR RISHIK RAJENDRA | | | | | | | | | | | |
| 11 | DHARU HARSH NARAYAN | | | | | | | | | | | |
| 12 | DHAROD KUNAL | | | | | | | | | | | |
| 13 | DHURI AMRITA SUNIL | A | | A | | A | | A | A | | | |
| 14 | DADOL GAYATRI SUNIL | | | | | | | | | | | |
| 15 | DAGHAD SANTOSH GORAKH | | | | | | | | | | | |
| 16 | DAGWAD ANIKET GURUNATH | | | | | | | | | | | |
| 17 | GITE PRIYANKA RAJU | P | P | P | P | P | P | P | P | | | |
| 18 | GOEL ROHAK NITESHJI | | | | | | | | | | | |
| 19 | GOONDAK SHASHIDHARAN | | | | | | | | | | | |
| 20 | GUPTA GOPI MOHAN | | | | | | | | | | | |
| 21 | GUPTA PRADESHMUSAFIR | | | | | | | | | | | |
| 22 | INDHAV CHIRAG KRISHNANATH | | | | | | | | | | | |
| 23 | INDHAV HITESH MADHUKAR | | | | | | | | | | | |
| 24 | INDHAV SARANIL | Sei | Sei | Sei | Sei | | | Sei | Sei | | | |
| 25 | INDHAV SIDDHARATH KISHOR | | | | | | | | | | | |
| 26 | INDHAV TANMAY RAJENDRA | | | | | | | | | | | |
| 27 | IRVANI ANIKET | | | | | | | | | | | |
| 28 | KAMBLE SONAL DADAN | | | | | | | | | | | |
| 29 | KESUR JAY JYENDRA | | | | | | | | | | | |
| 30 | KHAN KHIREEN FATMA ALI AHMED | | | | | | | | | | | |
| 31 | KORE DEWANG MAHENDRA | PD | PD | PD | | PD | | PD | PD | | | |
| 32 | KUMAR RAJESH RAMESH | | | | | | | | | | | |
| 33 | KUMAR RISHI | | | | | | | | | | | |
| 34 | KUDGARUVA NIKIL CHIDAMBHAM | | | | | | | | | | | |
| 35 | MANDAVKAR ABHISHEK VASANT | | | | | | | | | | | |
| 36 | MATHAN | | | | | | | | | | | |
| 37 | MAK MEERAJ ARVIND | mm | mm | mm | mm | mm | mm | mm | mm | | | |
| 38 | MALHOTRA | | | | | | | | | | | |
| 39 | MARASHI RAJENDRA | | | | | | | | | | | |
| 40 | MANDELA GUPTA | | | | | | | | | | | |
| 41 | MATHAN | | | | | | | | | | | |
| 42 | MATHAN RAMCHANDRA | P | P | P | P | | | P | P | | | |
| 43 | MATHAN ASHISH RANGANATH | | | | | | | | | | | |
| 44 | MATHAN | | | | | | | | | | | |

VIVA Institute of Technology, Virar

T.E. ELECTRIC (2018-2019)

SUBJECT: ESP (couple)

SUBJECT INCHARGE: Pratik Mahale

| R. No. | Name | 20/8/18 | 27/8/18 | 04/9/18 | 11/9/18 | 18/9/18 | 25/9/18 | 02/10/18 | 09/10/18 | 16/10/18 | P | C | T |
|--------|-----------------------------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---|---|---|
| 1 | AGARWAL ABHISHEK PARAN | A | A | A | A | A | A | A | A | A | | | |
| 2 | AMRE MITESH ADITYA | | | | | | | | | | | | |
| 3 | ANGUL DHIRAJ SMOSE | B | B | B | B | | B | | | B | | | |
| 4 | ARATKAR VINET VINOD | | | | | | | | | | | | |
| 5 | BARHE ALASHI ANVINDRA | | | | | | | | | | | | |
| 6 | CHAUDHARI PRASAD BHADP | P | P | P | P | P | | P | P | | | | |
| 7 | DHURDIKAR MAYLE KUMINA | | | | | | | | | | | | |
| 8 | DANDAVE SALUNKE SANDESH | | | | | | | | | | | | |
| 9 | DEVALLA NIRAV RAJESHKUMAR | | | | | | | | | | | | |
| 10 | DHANGAR ROHINI RAJNORA | PD | PD | PD | PD | PD | | PD | PD | | | | |
| 11 | DHANGAR HARDIK NANDKUMAR | | | | | | | | | | | | |
| 12 | DHAROD KUNAL | | | | | | | | | | | | |
| 13 | DHURAMRUTA SUNIL | A | A | A | A | A | | A | A | | | | |
| 14 | DADGU, GAYATRI SUNIL | | | | | | | | | | | | |
| 15 | DHAKVAD SANTOSH GORAKH | | | | | | | | | | | | |
| 16 | DAWAND ANSLET GURUNATH | | | | | | | | | | | | |
| 17 | DHIF PRIYANKA RAJU | B | B | B | | B | | B | B | | | | |
| 18 | DHIL RISHAK MITTHERA | | | | | | | | | | | | |
| 19 | DOONDAR SHASHITHARAN | | | | | | | | | | | | |
| 20 | GUPTA GOPI MOHAN | | | | | | | | | | | | |
| 21 | GUPTA PRKESH MUSAFIR | | | | | | | | | | | | |
| 22 | HADHAY CHIRAG KRISHNANATH | | | | | | | | | | | | |
| 23 | HADHAY HIRESH MADHUKAR | | | | | | | | | | | | |
| 24 | HADHAY SAI ANIL | SD | SD | SD | | SD | | SD | SD | | | | |
| 25 | HADHAY SIDDHARTH KISHOR | | | | | | | | | | | | |
| 26 | HADHAY TANMAY RAJENDRA | | | | | | | | | | | | |
| 27 | DEVNAND KUNAL | | | | | | | | | | | | |
| 28 | GAMBLE SONAL BABAN | | | | | | | | | | | | |
| 29 | GPSUR JAY ATENDRA | | | | | | | | | | | | |
| 30 | GHANSHREEN FATMA ALI AHMED | | | | | | | | | | | | |
| 31 | GHOS DEWANG MAHENDRA | RD | | RD | | RD | | RD | RD | | | | |
| 32 | GUHAL RAMESH RAMESH | | | | | | | | | | | | |
| 33 | GUPTA ANSHU KUMAR | | | | | | | | | | | | |
| 34 | GUJARATIYA NIKHIL CHAMANRAJ | | | | | | | | | | | | |
| 35 | HANDAYKAR ABHISHEK VASANT | | | | | | | | | | | | |
| 36 | HANDAYKAR ANSHU | | | | | | | | | | | | |
| 37 | HAD NEERAJ ARVIND | RM | RM | RM | | RM | | RM | RM | | | | |
| 38 | HADHAY ANSHU KUMAR | | | | | | | | | | | | |
| 39 | HADHAY ASHIT RAJENDRA | | | | | | | | | | | | |
| 40 | HANDLAL DIPAK | | | | | | | | | | | | |
| 41 | HADHAY ANSHU KUMAR | | | | | | | | | | | | |
| 42 | HADHAY RISHAB RANCHANDRA | B | B | | B | B | | B | B | | | | |
| 43 | HADHAY RISHAB RANCHANDRA | | | | | | | | | | | | |
| 44 | HADHAY RISHAB RANCHANDRA | | | | | | | | | | | | |



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 | DORUDE AKASH RAVINDRA | | | | | | | | | | | |
| 6 | CHAUDHARI PRASAD PRADIP | P | P | P | P | P | | P | P | | | |
| 7 | DADHILKAR MAYUR KRISHNA | | | | | | | | | | | |
| 8 | DANKHARE SALONKE SANDISH | | | | | | | | | | | |
| 9 | DEVKIA 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 SHIREEN FATMA ALI AHMED | | | | | | | | | | | |
| 31 | KORE DEWANG MAHENDRA | KD | KD | KD | KD | KD | KD | KD | KD | | | |
| 32 | KUBAL RAJESH RAMESH | | | | | | | | | | | |
| 33 | KUMAR VIKRAM | | | | | | | | | | | |
| 34 | KUSAGARIYA NIKHIL CHENANBHAI | | | | | | | | | | | |
| 35 | MANDAYKAR ABHISHEK VASANT | | | | | | | | | | | |
| 36 | MARJAN SURESH | | | | | | | | | | | |
| 37 | NAIK NEERAJ ARVIND | nm | nm | nm | nm | nm | nm | nm | nm | | | |
| 38 | NAIK NIKHIL KANAK | | | | | | | | | | | |
| 39 | NAIR ASHIT RAJENDRAN | | | | | | | | | | | |
| 40 | NANDAL GUPTA | | | | | | | | | | | |
| 41 | NANDAL GUPTA | | | | | | | | | | | |
| 42 | NANHE ROSHAN RAMCHANDRA | P | P | P | P | P | | P | P | | | |
| 43 | NIKAM ASHISH KANANATH | | | | | | | | | | | |
| 44 | 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 | MAGWAL ABHIRAM PAVAN | A | A | A | A | A | A | | | | | |
| 2 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 3 | MAHTE MITESH ARJUN | B | | B | | B | B | | | | | |
| 4 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 5 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 6 | MAHTE MITESH ARJUN | P | P | | P | P | P | | | | | |
| 7 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 8 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 9 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 10 | MAHTE MITESH ARJUN | PD | | PD | | PD | PD | | | | | |
| 11 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 12 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 13 | MAHTE MITESH ARJUN | A | | A | A | A | A | | | | | |
| 14 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 15 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 16 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 17 | MAHTE MITESH ARJUN | P | | P | P | P | P | | | | | |
| 18 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 19 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 20 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 21 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 22 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 23 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 24 | MAHTE MITESH ARJUN | Sci | Sci | | Sci | | Sci | | | | | |
| 25 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 26 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 27 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 28 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 29 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 30 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 31 | MAHTE MITESH ARJUN | RD | RD | RD | | RD | RD | | | | | |
| 32 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 33 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 34 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 35 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 36 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 37 | MAHTE MITESH ARJUN | mm | mm | | mm | mm | mm | | | | | |
| 38 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 39 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 40 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 41 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 42 | MAHTE MITESH ARJUN | P | | P | | P | P | | | | | |
| 43 | MAHTE MITESH ARJUN | | | | | | | | | | | |
| 44 | MAHTE MITESH ARJUN | | | | | | | | | | | |



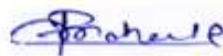
VIVA INSTITUTE OF TECHNOLOGY

(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 DAYARAM | | | | | | | | | | | |
| 6 | BHATT ANUBAG K. | | | | | | | | | | | |
| 7 | BHAVSAR 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 SHAMBUHAR | | | | | | | | | | | |
| 19 | GUPTA DILIPKUMAR S. | GD | GD | GD | GD | GD | GD | GD | GD | 8 | | |
| 20 | GUPTA RAHUL RAMPRASAD | | | | | | | | | | | |
| 21 | GUPTA ROHIT RAMDAYAL | | | | | | | | | | | |
| 22 | GURAV ANKET SANJAY | | | | | | | | | | | |
| 23 | HAZARE PRACHI PURUSHOTTAM | | | | | | | | | | | |
| 24 | JASWAR SUNET SHIVKUMAR | JW | JW | JW | JW | JW | JW | JW | JW | 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 K. | 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 | | |



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|------------------------|-------------------------|----|----|----|----|----|----|----|----|----|---|--|--|
| 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 DEHANANJAY | 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 | 1A | 1A | 1A | 1A | 1A | 1A | 1A | 1A | 1A | 8 | | |
| 65 | WADE RUPAL DINESH | | | | | | | | | | | | |
| 66 | WALA JAY ARUN | | | | | | | | | | | | |
| 67 | WATUMBARE ASHITOSH | | | | | | | | | | | | |
| 68 | YADAV AKASH RAJMANI | | | | | | | | | | | | |
| 69 | YADAV RAHUL HIRALAL | 2A | 2A | 2A | 2A | 2A | 2A | 2A | 2A | 2A | 8 | | |
| 70 | ZANJE SHUBHAM MADHUKAR | 2B | 2B | 2B | 2B | 2B | 2B | 2B | 2B | 2B | 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

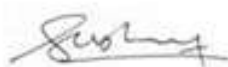
(Affiliated to University of Mumbai; Approved by AICTE & DTE)

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





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



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



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.





Late Shri Vishnu Waman Thakur Charitable Trust's
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CIVIL ENGG. DEPARTMENT



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

wef: 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 UMPRAKASH 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | PATIL RAKSHANDA DIPAK SANGITA | A | A | A | A | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | PATIL SANKET | A | A | A | A | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |





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CIVIL ENGG. DEPARTMENT



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 ALTAJ 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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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 | Agre | A | A | Agre | A | | | | | |
| 2 | ANSARI NAZISH MAQSOOD | Naz | A | Naz | Naz | Naz | | | | | |
| 3 | ARSANIYA TIMIR | A | A | A | A | A | | | | | |
| 4 | AVHAD NIKHIL BHALCHANDRA | AN | AN | AN | AN | AN | | | | | |
| 5 | AVHAD SUNEET ROHIDAS | A | A | A | A | A | | | | | |
| 6 | BAMBARKAR ONMKAR VIJAY | Onkar | Onkar | A | Onkar | Onkar | | | | | |
| 7 | BARI CHAITANYA NITTEEN | A | Nitteen | A | Nitteen | A | | | | | |
| 8 | BARIA SANKALP | Baria | A | Baria | Baria | Baria | | | | | |
| 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 | Vig | Vig | Vig | Vig | Vig | | | | | |
| 13 | BHAGADE UDAY NARESH NITA | A | A | A | A | A | | | | | |
| 14 | BHAGAT HARSHAD TUKARAM | Harshad | A | Harshad | Harshad | A | | | | | |
| 15 | BHANDE MAYUR ANIL ANITA | Mayur | A | Mayur | A | Mayur | | | | | |
| 16 | BHOIR ANIKET MANOJ | A | Aniket | A | Aniket | A | | | | | |
| 17 | BHOIR APURVA KALURAM | A | Apurva | Apurva | Apurva | A | | | | | |
| 18 | BOMBALE ABHISHEK ANANT | A | A | A | A | A | | | | | |
| 19 | BOWLEKAR KALPESH LAXMAN | BK | BK | BK | BK | BK | | | | | |
| 20 | BRAHMBHATT RUSHABH ASHOK | Rushab | A | Rushab | A | A | | | | | |
| 21 | CHARIPALLI RAHUL RAVINDRA | A | A | A | A | A | | | | | |
| 22 | CHIKANE SHAILESH | A | Shailesh | A | A | A | | | | | |
| 23 | CHIPLUNKAR KALPANA MANOHAR | A | A | Kalpa | A | A | | | | | |
| 24 | CHOPRA RAHUL RAJMAL | Chop | Chop | Chop | A | Chop | | | | | |
| 25 | DAVRUNG DHIRAJ JAYESH | A | Dhiraj | A | A | Dhiraj | | | | | |
| 26 | DEORA TEJAS AMRITLAL GEETA | Tejas | A | Tejas | Tejas | Tejas | | | | | |
| 27 | DESHMUKH KUNAL ATMARAM | A | A | A | A | A | | | | | |
| 28 | DHAINJE VRUSHABH VASANT | A | A | Vrushab | A | Vrushab | | | | | |
| 29 | DOIPHODE SWAPNIL DHAKU | A | Swapnil | A | A | A | | | | | |
| 30 | DUBEY ANIKET | A | A | A | A | A | | | | | |
| 31 | DWIVEDI NITYANAND | DN | DN | A | DN | DN | | | | | |
| 32 | GAVALI SWATI SARJAPPA | A | A | Swati | A | Swati | | | | | |
| 33 | GAWAD RUGVED MANGESH | A | A | A | A | A | | | | | |
| 34 | GAWAD SAMIKSHA RAVIKUMAR | A | A | A | A | A | | | | | |





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CIVIL ENGG. DEPARTMENT



Ref: 07/01/2019

B.E. DIV A CIVIL SEM VIII
ATTENDANCE SHEET 2018-19

NAME OF THE FACULTY: _____ SHEET NO: _____

| ROLL NO. | NAME OF THE STUDENT/DATE Time of lecture | SUBJECT: | | | | | 6 | 7 | 8 | Pg Total | CF | Gr Total |
|-----------------------|---|----------|-------|--------|-------|--------|---|---|---|----------|----|----------|
| | | 2/7 | 3/7 | 4/7 | 5/7 | 6/7 | | | | | | |
| 37 | GHANEKAR ROHIT VISHVANATH | A | A | A | But | A | | | | | | |
| 38 | GHARAT BHUSHAN PRABHAKAR | A | But | A | A | A | | | | | | |
| 39 | GHARAT JAY JITENDRA JANHAVI | But | A | A | But | A | | | | | | |
| 40 | GHARAT UJWAL UMESH | A | Ujwal | A | A | A | | | | | | |
| 41 | GORULE SIDDHESH JAYWANT | Sid | Sid | Sid | Sid | Sid | | | | | | |
| 42 | GURAV DAKSHESH SADANAND | But | A | But | A | A | | | | | | |
| 43 | HADAL VISHAL RAMU BHARATI | A | Had | A | Had | A | | | | | | |
| 44 | HEBALE SIDDHESH ANNARAO | Siddh | A | A | Siddh | A | | | | | | |
| 45 | HILE GANESH VASUDEV SHOBHA | A | Hile | A | Hile | A | | | | | | |
| 46 | JADHAV MAYUR | But | But | But | But | But | | | | | | |
| 47 | JADHAV PRATHAMESH SUNIL | A | But | A | But | A | | | | | | |
| 48 | JHA DEEPAK KISHOR HEMA | Kishor | A | Kishor | A | A | | | | | | |
| 49 | JOSHI AMIT SHANKAR SHITAL | Amit | Amit | Amit | Amit | Amit | | | | | | |
| 50 | KADU JITESH BHAGWAN PRABHA | A | A | But | A | But | | | | | | |
| 51 | KAMBLE HARSHAD HARI | A | But | A | But | But | | | | | | |
| 52 | KAMBLE TUSHAR MADHUKAR | But | But | Tushar | But | Tushar | | | | | | |
| 53 | KANOJIYA DEEPANKAR | A | Deep | A | Deep | Deep | | | | | | |
| 54 | KASKAR HITESH | Hit | A | Hit | A | A | | | | | | |
| 55 | KHAIRNAR NIKHIL YUVRAJ | Nik | Nik | A | Nik | Nik | | | | | | |
| 56 | KHAMBE SANDEEP ANIL | A | A | San | A | A | | | | | | |
| 57 | KHAN MOHD ASIF MOHD HAKIM | Mohd | A | A | Mohd | A | | | | | | |
| 58 | KHANOLKAR ANIKET RAMDAS | A | But | A | Ani | A | | | | | | |
| 59 | KHARAT VISHAL BALASAHEB | KV | KV | KV | KV | KV | | | | | | |
| 60 | KHEDEKAR SAISH DINESH | A | Kan | A | A | A | | | | | | |
| 61 | KHEDEKAR SHREYAS RAGHUNATH | Shrey | A | Shrey | A | A | | | | | | |
| 62 | KOKALE JAY SANTOSH GEETA | Jay | Jay | Jay | Jay | Jay | | | | | | |
| 63 | KOKATE ANIRUDDA SUBHASH | A | A | A | A | A | | | | | | |
| 64 | KOKATE SWAPNIL SUBHASH | A | Swap | A | A | A | | | | | | |
| TOTAL NO. OF STUDENTS | | | | | | | | | | | | |



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

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 |

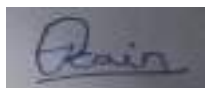
COURSE OBJECTIVE:

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 for Employment | Group Discussion | Recent Reading | Mock Interview | Practical Skills | Communication & Workplace | Business Etiquette |
| | | Session 1 | Session 2 | Session 3 | Session 4 | Session 5 | Session 6 | Session 7 | Session 8 | Session 9 | Session 10 |
| 1 | ABHINAV BHADWAN | Abhinav | Abhinav | Abhinav | Abhinav | Abhinav | Abhinav | Abhinav | Abhinav | Abhinav | Abhinav |
| 2 | ADARSH JYOTHI | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 3 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 4 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 5 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 6 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 7 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 8 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 9 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 10 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 11 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 12 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 13 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 14 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 15 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 16 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 17 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 18 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 19 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 20 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 21 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 22 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 23 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 24 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 25 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 26 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 27 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 28 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 29 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| 30 | ADARSH KUTUMBIKAR | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh | Adarsh |
| | Name & Sign of Speaker | Dr. Trupti Patel | | | | | | | | | |





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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 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





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.

| 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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(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 | DHALERAO ROHIT YASHWANT | SA | SA | SA | SA | SA | SA | SA | SA |
| 4 | CHAUHANY SUHAS SATESH PRAKASH | 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 | DHRYE 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 | BILIM VIKAS DNYANESHWAR | SA | SA | SA | SA | SA | SA | SA | SA |
| 11 | SHIVAD SHIVANI MANOHAR | SA | SA | SA | SA | SA | SA | SA | SA |
| 12 | SHI LAYA PALLAVI JAGA | 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 | SHARDE 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 INDRASEN | SA | SA | SA | SA | SA | SA | SA | SA |
| 19 | MUDAYATERA RAJNIV 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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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 | Grds | Grds | Grds | Grds | Grds | Grds | |
| 2 | SANGALE KAJOL SOMNATH | Sat | Sat | Sat | Sat | Sat | Sat | |
| 3 | MORE UJAVALA BHARAT | MB | MB | MB | MB | MB | MB | |
| 4 | LADDE SHRUTI PRAMOD | lake | lake | MB | lake | lake | lake | |
| 5 | MAMIDIPELLI SWATI DATTATHREYA | no | no | no | no | no | no | |
| 6 | NAIK SIDDHI VASUDEO | Nak | Nak | Nak | Nak | Nak | Nak | |
| 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 | BHAVSAR AKSHAY ANIL | AB | AB | AB | AB | AB | AB | |
| 41 | NAIR JITIN GOVINDANKUTTY | AB | AB | AB | AB | AB | AB | |
| 42 | UPADHYAY 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 | (AB) | (AB) | (AB) | (AB) | (AB) | (AB) | |
| 49 | BIHAMBAD DARSHANA | Darshan | Darshan | Darshan | Darshan | Darshan | Darshan | |
| 50 | FALEKAR RUCHITA | RP | RP | AB | RP | RP | RP | |
| 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 | Patil | Patil | Patil | Patil | Patil | Patil | |
| 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 | AB | GD | GD | GD | |
| 63 | BHAMBARDKAR 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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Shirgaon, Virar(E.), Dist: Palghar- 401305, Maharashtra

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



VIVA INSTITUTE OF TECHNOLOGY

Established in 2003, Viva Institute of Technology is a leading institution in the field of engineering and technology. It is located in the heart of the city and is known for its excellent faculty and infrastructure.

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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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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VIVA INSTITUTE OF TECHNOLOGY
 (Approved by AICTE, New Delhi, UPE, Govt. of Maharashtra and Affiliated to the University of Mumbai)
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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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 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.





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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 | |



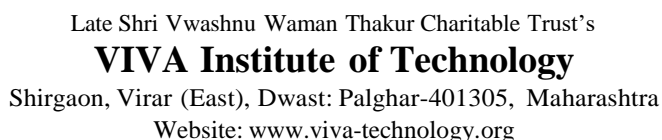
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Model Certificate





Department of Electronics and Telecommunication Engineering

Attendance Sheet:

[illegible]



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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| | | |
|------------------|--------------|--|
| 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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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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Attendance Sheet:



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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 |





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.





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.





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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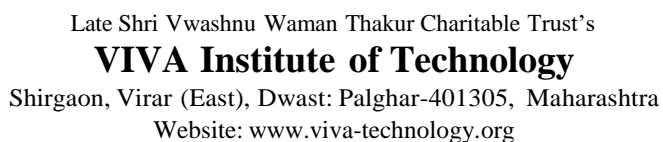
Model Certificate



Department of Electronics and Telecommunication Engineering

Attendance Sheet:

| Roll No. | Name of Student / TOPIC COVERED | | | | | | | | | | |
|----------|---------------------------------|---------------------|---|-----|---|---|--|--|--|--|--|
| | DATE | 5/12/2023 | | | | | | | | | |
| | TIME | 12:30 PM to 2:30 PM | | | | | | | | | |
| 1 | ALLIED IN PARTS | | | | | | | | | | |
| 2 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 3 | PROBATIONARY PARTS | C | C | C | C | C | | | | | |
| 4 | PROBATIONARY PARTS | B | C | A | C | C | | | | | |
| 5 | PROBATIONARY PARTS | C | C | C | C | C | | | | | |
| 6 | PROBATIONARY PARTS | C | C | B | C | C | | | | | |
| 7 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 8 | PROBATIONARY PARTS | C | C | C | C | C | | | | | |
| 9 | PROBATIONARY PARTS | A | A | A | A | A | | | | | |
| 10 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 11 | PROBATIONARY PARTS | C | C | B | C | C | | | | | |
| 12 | PROBATIONARY PARTS | C | C | A | A | C | | | | | |
| 13 | PROBATIONARY PARTS | B | C | A | C | C | | | | | |
| 14 | PROBATIONARY PARTS | B | C | A | C | C | | | | | |
| 15 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 16 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 17 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 18 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 19 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 20 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 21 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 22 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 23 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 24 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 25 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 26 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 27 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 28 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 29 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 30 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 31 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 32 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 33 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 34 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 35 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 36 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 37 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 38 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 39 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 40 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 41 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 42 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 43 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 44 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 45 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 46 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 47 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 48 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 49 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 50 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 51 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 52 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
| 53 | PROBATIONARY PARTS | C | C | A | C | C | | | | | |
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Department of Electronics and Telecommunication Engineering

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

Report: S.W. / Rishab / Saurabh

ATTENDANCE RECORD

| 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 |
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| 75. ANALOGUE COMMUNICATIONS | 1/1/18 | 1:30 | 1 |
| 76. ANALOGUE COMMUNICATIONS | 1/1/18 | 1:30 | 2 |
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| 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 |
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| 95. ANALOGUE COMMUNICATIONS | 1/1/18 | 1:30 | 1 |
| 96. ANALOGUE COMMUNICATIONS | 1/1/18 | 1:30 | 2 |
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| 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 | | | |



Department of Electronics and Telecommunication Engineering

| Subject: S.W (S.W. 4000) | | ATTENDANCE RECORD | | | | | | | | | | | | | | | Semester IV | |
|---------------------------------|--|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|--|
| Name of Student / TOPIC COVERED | | T | | | | | | | | | | | | | | | (2) | |
| DATE | | | | | | | | | | | | | | | | | | |
| TIME | | | | | | | | | | | | | | | | | | |
| 1. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 2 | |
| 2. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 3. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 2 | |
| 4. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 5. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 0 | |
| 6. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 2 | |
| 7. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 2 | |
| 8. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 2 | |
| 9. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 0 | |
| 10. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 2 | |
| 11. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 2 | |
| 12. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 13. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 2 | |
| 14. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 15. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 16. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 17. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 18. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 2 | |
| 19. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 20. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 21. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 22. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 23. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 24. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 25. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 26. ANALOGUE | | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | 1 | |
| 27. ANALOGUE | | 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. |



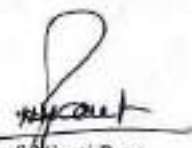
Late Shree Vishnu Vishnu Waman Charitable Trust's
VIVA Institute of Technology
 At. Shirgaoon, Visar (East), Taluka-Vasai, Palghar District - 401305, Maharashtra.
 Department of Mechanical Engineering
VALUE ADDED COURSE - ADVANCE SOLID WORKS
 Academic Year : 2017-18

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 | Ansari | A | A | Ansari | Ansari |
| 2 | BHOSALE VINAYA VIJAY SUMAN | SE | Vinaya | A | Vinaya | Vinaya | Vinaya |
| 3 | GADA DIPAM BIPIN REKHA | TE | A | A | Ch | A | Ch |
| 4 | JAIWAL SHAILESH RAM PRAYESH BINDU | TE | Jai | Jai | Jai | A | Jai |
| 5 | NADAR ISAAC AYYADURAI MUTHUPILLAI | TE | A | Ans | Ans | Ans | Ans |
| 6 | PORIYA KRUSHNA BABULAL MANJULABEN | TE | A | Bai | Bai | Bai | Bai |
| 7 | SAVE AALAP KISHOR ROHINI | TE | Save | Save | Save | Save | Save |
| 8 | BAMANIA AMISH NARAYANDAS | BE | Bani | Bani | A | Bani | A |
| 9 | CHHEDA MAYANK HIREN | BE | Ans | Ans | A | A | Ans |
| 10 | HALGUNDE AKSHAY | BE | Ans | A | Ans | Ans | Ans |
| 11 | KADAM ABHISHEK DILIP | BE | Kad | Kad | Kad | Kad | Kad |
| 12 | PATIL PRASAD RAMU | BE | Patil | Patil | Patil | Patil | Patil |
| 13 | SABALE ANIKET PRAKASH | BE | Shen | Shen | Shen | Shen | A |
| 14 | SALASKAR GAURAV PRAKASH | BE | gaurav | A | A | gaurav | gaurav |
| 15 | TAMBE CHINMAY | BE | A | Ch | Ch | Ch | Ch |


 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. Shirgaon, 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 | CHHEDA 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. |



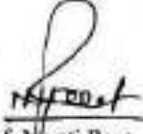
Late Shree Vishnu Vishnu Waman Chetambari Trust's
VIVA Institute of Technology
 At. Shergaon, Vindr (East), Taluka-Vasai, Palghar District - 401305, Maharashtra
 Department of Mechanical Engineering
VALUE ADDED COURSE - ANSYS (Engineering Simulation)
 Academic Year : 2017-18

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 | DALBANIAN PUSHPAK GOPAL SHOBHA | TE | A | Gopalk | Gopalk | Gopalk | Gopalk |
| 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 | Jash | A | Jash | Jash | Jash |
| 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 | Anishant | Anishant | Anishant | Anishant |
| 14 | GHOSH PIJUSH SARIT | BE | P.I. | P.I. | P.I. | P.I. | P.I. |
| 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: Shergum, 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 | Varun | Varun | Varun | Varun | Varun |
| 2 | HASE NIKHIL BALASAHEB PRATIDHA | SE | A | Nikhil | Nikhil | Nikhil | Nikhil |
| 3 | PATEL NIDHA AJAY ARCHANA | SE | A | Nidha | A | A | A |
| 4 | DALBANDI PUSHPAK GOPAL SHOBHA | TE | Gopal | Gopal | Gopal | Gopal | Gopal |
| 5 | KADAM GANESH BALASAHEB SEEMA | TE | Ganesh | Ganesh | Ganesh | Ganesh | Ganesh |
| 6 | KOLHE ANIKET KERUBHAI MEERA | TE | Aniket | Aniket | Aniket | Aniket | Aniket |
| 7 | GADIA DIPAM BIPIN REKHA | TE | Dipam | A | A | A | Dipam |
| 8 | JAINWAL SHAILESH RAM PRAVESH HINDU | TE | Shailish | A | Shailish | Shailish | Shailish |
| 9 | AWERE SURAJ SURESH | DE | Suraj | A | Suraj | Suraj | A |
| 10 | BEHERE GAJANAN PRAMOD | DE | Gajanan | Gajanan | Gajanan | Gajanan | Gajanan |
| 11 | CHENDARKAR GAYENDRA VASUDEV | DE | A | Vasudev | Vasudev | A | Vasudev |
| 12 | MADAV MITESH | DE | A | Mitabh | Mitabh | A | Mitabh |
| 13 | DEVKATE NISHANT RAJARAM | DE | Nishant | Nishant | Nishant | Nishant | Nishant |
| 14 | GROSH PULSHI SARIT | DE | P.I. | P.I. | P.I. | P.I. | P.I. |
| 15 | RAUT SHREYANK PRAKASH | DE | Sh | A | Sh | Sh | Sh |
| 16 | SAWANT SHUBHAM RAVINDERA | DE | Shubh | Shubh | Shubh | Shubh | Shubh |
| 17 | NAIK AKHIL SADANAND | DE | Akhil | Akhil | Akhil | Akhil | Akhil |
| 18 | SUTHAR VIKESH KRISHNAJI | DE | Vikesh | Vikesh | A | Vikesh | Vikesh |


 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.

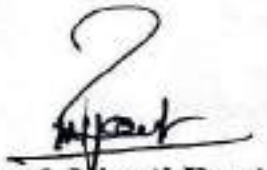
Timing:-

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 | Bhanu | Bhanu | Bhanu | Bhanu | Bhanu |
| 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 TUKARAM | 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 | Sw | Sw | Sw | Sw | AB |
| 11 | JAIN HARSHAD GANESH | BE | Har | Har | Har | Har | Har |
| 12 | JAMBHALE CHINMAY SANJAY | BE | C | C | C | C | C |
| 13 | KALAMBE NEHA | BE | N | N | N | N | N |
| 14 | KALE ABHIJIT MANOJ | BE | Kale | Kale | AB | Kale | Kale |
| 15 | KANNALUJIYA 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 | P | P | P | P | P |
| 20 | PATIL PRATIK MAHENDRA | BE | Pratik | Pratik | Pratik | Pratik | Pratik |
| 21 | PATIL SANDESH H | BE | Pratik | AB | Pratik | Pratik | Pratik |
| 22 | PATIL SANKET JAYANTA | BE | Pratik | Pratik | Pratik | Pratik | Pratik |
| 23 | SANKHE MAYURESH DINESH | BE | S | S | S | S | S |
| 24 | SARAF MAHESH LALASO | BE | S | S | AB | S | S |
| 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 | Ani.W | Ani.W | Ani.W | Ani.W | Ani.W |
| 28 | WANI ABHISHEK BALASAHEB | BE | Wani | AB | Wani | Wani | Wani |
| 29 | YADAV HARIKESH CHHATRADHARI | BE | Hari | Hari | Hari | Hari | Hari |
| 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 | C | C | C | C | C |
| 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 | PARTI PABARI | BE | Parti | Parti | Parti | Parti | Parti |
| 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 | M | M | M | M | M |
| 24 | SARAK MAHESH LALASO | BE | H | H | AB | H | H |
| 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

16

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 | Pradi | Pradi | Pradi | Pradi | A | Pradi | Pradi | Pradi | | | |
| 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 | Pradi | Pradi | A | Pradi | Pradi | Pradi | A | Pradi | | | |
| 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 | K.P.K | A | A | K.P.K | K.P.K | K.P.K | K.P.K | K.P.K | | | |
| 34 | KUSHWAHA DEEPAK B. | | | | | | | | | | | |
| 35 | MAKAWANA HARDIK H | Hardik | Hardik | Hardik | Hardik | Hardik | Hardik | Hardik | Hardik | | | |
| 36 | MANDAL GANESH ACHYUT | | | | | | | | | | | |
| 37 | MESTRY ABHISHEK MANOHAR | | | | | | | | | | | |
| 38 | MOHITE SHANTANU S. | | | | | | | | | | | |
| 39 | MURKUTE MOHIT SUBESH | | | | | | | | | | | |
| 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 | Simd | A | Simd | Simd | A | Simd | Simd | | | |
| 2 | ANODARIYA JAYDEEP K | | | | | | | | | | |
| 3 | BAGUL ARSHAY VILAS | Aditya | Aditya | Aditya | A | Aditya | Aditya | A | Aditya | | |
| 4 | BARAT DIPAK NAVASHA | | | | | | | | | | |
| 5 | BARI HIMALAY DAY/JIANI | | | | | | | | | | |
| 6 | BIHAT ANURAG K | | | | | | | | | | |
| 7 | BIHANSAR KAUSTUBH M | | | | | | | | | | |
| 8 | BORHATE PRASAD LAXMAN | Prasod | Prasod | A | Prasod | Prasod | Prasod | Prasod | | | |
| 9 | BONDRE HEMENDRA RAMESH | | | | | | | | | | |
| 10 | CHODHARI NISHANT D | | | | | | | | | | |
| 11 | DESAI RAMCHANDRA PUNAR | Prasod | A | Prasod | Prasod | Prasod | Prasod | Prasod | A | | |
| 12 | DESAI SIDDHESH SURESH | | | | | | | | | | |
| 13 | FAKIR ALISHA ABDULKADAR | | | | | | | | | | |
| 14 | GARDI ADITI VILAS | Adik | A | Adik | A | Adik | Adik | Adik | Adik | | |
| 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 SHAMBINATHI | Aditya | Aditya | Aditya | Aditya | Aditya | Aditya | Aditya | Aditya | | |
| 19 | GUPTA DILIPKUMAR S | | | | | | | | | | |
| 20 | GUPTA RAHUL RAMPRASAD | Prasod | Prasod | A | Prasod | A | Prasod | Prasod | Prasod | | |
| 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.D | M.P.D | M.P.D | M.P.D | M.P.D | M.P.D | M.P.D | | |
| 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 | MOOLE 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 DEEPA 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 | BHARJUNALAY DAYARAM | | | | | | | | | | | |
| 6 | BHATT ANURAG K. | | | | | | | | | | | |
| 7 | BHAVSAR KAUYUJH M. | | | | | | | | | | | |
| 8 | BOHATE PRASAD LAXMAN | Prasadi | A | Prasadi | Prasadi | Prasadi | Prasadi | Prasadi | Prasadi | | | |
| 9 | BONDRE HEMENDRA RAMESH | | | | | | | | | | | |
| 10 | CHOUDHARI NISHANT R. | | | | | | | | | | | |
| 11 | DESAI RAMCHANDRA PUNAJI | Prasadi | Prasadi | Prasadi | A | Prasadi | Prasadi | Prasadi | 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 | Prasadi | Prasadi | Prasadi | A | Prasadi | Prasadi | Prasadi | Prasadi | | | |
| 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 B. | | | | | | | | | | | |
| 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 SURESH | | | | | | | | | | | |
| 40 | NAIK PRANALI PRAMOD | 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 | 18/11/17 | 19/11/17 | 20/11/17 | 21/11/17 | 22/11/17 | 23/11/17 | 24/11/17 | 25/11/17 | 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 | Prasad | A | Prasad | | | |
| 12 | DESAI SIDDHESH SURESH | | | | | | | | | | | |
| 13 | FAKIR ALISHA ABDUL KADAR | | | | | | | | | | | |
| 14 | GARDE 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 | Adna | Adna | Adna | A | Adna | Adna | Adna | Adna | | | |
| 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

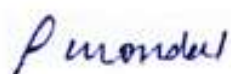
(Affiliated to University of Mumbai; Approved by AICTE & DTE)

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 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 (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 | GOLINDAR 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 RASITRAJAL 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 RAJRANCI | | | | | | | | | | | |
| 35 | GUPTA GORI MOHAN | | | | | | | | | | | |
| 36 | JADHAV SAI ANIL | Soi | Soi | Soi | Soi | Soi | Soi | Soi | Soi | | | |
| 37 | JATWAL AMITKUMAR NAVALKISHORE | | | | | | | | | | | |
| 38 | NAIR ASHUT RAJENDRAN | | | | | | | | | | | |



VIVA Institute of Technology, Virar

SUBJECT: PED

S.E. ELECTRICAL (Year - 2017-2018)

SUBJECT INCHARGE: Asst. Chetk

| Sl. 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 | P | C | T |
|---------|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---|---|---|
| 1 | AGARWAL ABHISHEK PAWAN | A | A | A | A | A | A | A | A | | | |
| 2 | CHAUDHARI PRASAD PRADIP | A | A | A | A | A | A | A | A | | | |
| 3 | DEHERKAR YASH KARESH | | | | | | | | | | | |
| 4 | DHANGAR KISHOR RAJENDRA | PD | — | PD | PD | PD | — | PD | PD | | | |
| 5 | GOUNDAR 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 | | | |
| 12 | LOKE KAMLESH GANPAT | | | | | | | | | | | |
| 13 | MANDAYKAR ABHISHEK VASANT | | | | | | | | | | | |
| 14 | MUNGEKAR ASHISH CHANDRAKANT | | | | | | | | | | | |
| 15 | NAIK NEERAJ ARVIND | mm | mm | — | m | — | mm | — | mm | | | |
| 16 | NAIK SUKANYA SHARAD | | | | | | | | | | | |
| 17 | NAM PHANIT SHANKAR | | | | | | | | | | | |
| 18 | NANDEAL GUPTA | | | | | | | | | | | |
| 19 | NANDE KISHAN RAMCHANDRA | AP | — | AP | — | AP | — | AP | AP | | | |
| 20 | NIKAM ASHISH RANGNATH | | | | | | | | | | | |
| 21 | PANCHAL JATIN VINODKUMAR | | | | | | | | | | | |
| 22 | PASRTE RIKITA DIPAK | AP | — | AP | — | AP | — | AP | — | | | |
| 23 | PATEL PANKAJ BHAGWAN | | | | | | | | | | | |
| 24 | PATIL PRANALI VILAS | | | | | | | | | | | |
| 25 | PAWAR PRANALI JAGANNATH | | | | | | | | | | | |
| 26 | RANE PRATHMESH CHANDRASHEKHAR | | | | | | | | | | | |
| 27 | RAUT 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 | | | |
| 33 | YADAV ROHIT PRABHAKAR | | | | | | | | | | | |
| 34 | YADAV SHAILENDRA BAJRANGI | | | | | | | | | | | |
| 35 | GUPTA GORU MOHAN | | | | | | | | | | | |
| 36 | JADHAV SAI ANIL | Sci | Sci | — | Sci | — | Sci | Sci | — | | | |
| 37 | JAIJWAL AMITKUMAR NAVALKISHORE | | | | | | | | | | | |
| 38 | NAIR ASHIT RAJENDRAN | | | | | | | | | | | |



VIVA Institute of Technology, Virar

SUBJECT: PCB

S.E. ELECTRICAL (Year - 2017-2018)

SUBJECT INCHARGE: Aarti Sheth

| 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 BHARANI | | | | | | | | | | | |
| 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 | PANDEY NIKITA DEPAK | NP | — | NP | — | NP | — | NP | NP | | | |
| 23 | PATEL PANKAJ BHAGWAN | | | | | | | | | | | |
| 24 | PATEL PRANALI VILAS | | | | | | | | | | | |
| 25 | PAWAR PRANALI JAGANNATH | | | | | | | | | | | |
| 26 | RANE PRATIBHINI CHANDRASHEKHAR | | | | | | | | | | | |
| 27 | RAUT ZHAN AMOL | | | | | | | | | | | |
| 28 | SAINDANE RASHITRAPAL RAJENDRA | | | | | | | | | | | |
| 29 | SHIVNEKAR VISHNU DAMODAR | | | | | | | | | | | |
| 30 | SINGH HIMANSHU PRASHANT | | | | | | | | | | | |
| 31 | SINGH PRINCE PIVU | | | | | | | | | | | |
| 32 | SOGALE OMKAR PRAMOD | A | A | — | A | A | A | A | — | | | |
| 33 | TADAV ROHIT PRABHAKAR | | | | | | | | | | | |
| 34 | TADAV SHAILENDRA BABURANGI | | | | | | | | | | | |
| 35 | GUPTA GURU MOHAN | | | | | | | | | | | |
| 36 | UDHAY SAI ANIL | Sai | Sai | — | Sai | Sai | — | Sai | — | | | |
| 37 | SAISWAL AMITKUMAR NAYALKISHORE | | | | | | | | | | | |
| 38 | NAIK ASHISH RAJENDRA | | | | | | | | | | | |



VIVA Institute of Technology, Virar

SUBJECT: PCA

S.E. ELECTRICAL (Year - 2017-2018)

SUBJECT INCHARGE: Amol Shetkh

| 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 | DHIBIKAR YASH NARESH | | | | | | | | | | | |
| 4 | DHANGAR ROHINI RAJENDRA | RD | RD | RD | RD | — | — | RD | | | | |
| 5 | GOHINDAR SHASHI CHHARAN RAJASUBRAMANIAN | | | | | | | | | | | |
| 6 | GUPTA TIKESH MUSAFFIR | | | | | | | | | | | |
| 7 | GURAV SHUBHAM SANTOSH | | | | | | | | | | | |
| 8 | HARPALE AJAY CHANDRAKANT | | | | | | | | | | | |
| 9 | KOLEKAR KUSHAL VILAS | | | | | | | | | | | |
| 10 | KOLENUTAN PRADHAKAR | | | | | | | | | | | |
| 11 | KORE DEWANG MAHENDRA | ED | — | ED | ED | ED | ED | — | | | | |
| 12 | LOKE KAMLESH GANPAT | | | | | | | | | | | |
| 13 | MANDAVKAR ABHISHEK VARANT | | | | | | | | | | | |
| 14 | MUNGEKAR ASHISH CHANDRAKANT | | | | | | | | | | | |
| 15 | NAIK NIKHIL ARVIND | NA | NA | — | NA | — | NA | — | | | | |
| 16 | NAIK SURABHI DITARAMU | | | | | | | | | | | |
| 17 | NAM PRANIT SHANKAR | | | | | | | | | | | |
| 18 | NANDAL GUPTA | | | | | | | | | | | |
| 19 | NANHE ROSHAN RAMCHANDRA | NR | — | NR | — | NR | NR | — | | | | |
| 20 | NIRAM ANISH BANGANATH | | | | | | | | | | | |
| 21 | PANDAL JATIN VIKRANTKUMAR | | | | | | | | | | | |
| 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 DEBAN AMOL | | | | | | | | | | | |
| 28 | SANDANE RASHTRAPAL RAJENDRA | | | | | | | | | | | |
| 29 | SHIVKAR VISHNU DAMODAR | | | | | | | | | | | |
| 30 | SINGH HIMANSHU PRABHANT | | | | | | | | | | | |
| 31 | SINGH PRINCE PINTU | | | | | | | | | | | |
| 32 | SOGALE GANESH PRAMOD | S | S | S | — | S | S | — | | | | |
| 33 | YADAV ROHIT PRADHAKAR | | | | | | | | | | | |
| 34 | YADAV SHAILENDRA 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 |
|---|---|---|

| | | |
|---|--|---|
| 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: *Valve after comp*
SUBJECT INCHARGE: *Sachin Soni*

B.E. ELECTRICAL (Year - 2017-2018)

| Sl. No. | Name | Q / Sat | 10 / Sat | 19 / Sat | 20 / Sat | 20 / Sat | 1 / Sat | 3 / Sat | 5 / Sat | P | C | T |
|---------|-----------------------------|---------|----------|----------|----------|----------|---------|---------|---------|---|---|---|
| 1 | BARBAR SATEL HARSHKONDRA | 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 | | 7 | | |
| 5 | CHAUDHAN CHANDRAPRAKASH | | | | | | | | | | | |
| 6 | CHAUHAN PAVAN | CP | CP | CP | CP | CP | CP | CP | | 7 | | |
| 7 | CHAVAN KALPESH | | | | | | | | | | | |
| 8 | CHAVAN MESHUL ARIUN | 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 | | 7 | | |
| 12 | DONGARKAR VIKAS VASANT | | | | | | | | | | | |
| 13 | DUREY SURYAPRAKASH J. | | | | | | | | | | | |
| 14 | GALA HIRAL VIRAM | | | | | | | | | | | |
| 15 | GAWANDE BHAVESH SUDHAKAR | 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 | | 7 | | |
| 19 | GUPTA ROHIT SHIVSHANKAR | | | | | | | | | | | |
| 20 | HEDGHITE AKSHAY SUNIL | | | | | | | | | | | |
| 21 | JADAR AJAY SANDHU | 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 | | 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 DEEP | 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 | | 7 | | |
| 38 | LODHA HEENA KESHULAL | | | | | | | | | | | |
| 39 | MALI VIVEK NAMDEO | | | | | | | | | | | |
| 40 | MANE MANDAR SIDDHARTH | | | | | | | | | | | |
| 41 | MARDE AMEYA ANIL | MA | MA | MA | MA | MA | MA | MA | | 7 | | |
| 42 | MARU VISHAL JAYANTILAL | | | | | | | | | | | |
| 43 | MAURYA VIVEK RAMMURTY | | | | | | | | | | | |
| 44 | MISATRE NEHA VIJAY | MP | MP | MP | MP | MP | MP | MP | | 7 | | |



| | | | | | | | | | | | | | | | | | | | | |
|------------------------|----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 45 | MISHRA RUPNIPANJALI GANESH | | | | | | | | | | | | | | | | | | | |
| 46 | MISHRA NADIM AMBALAL | | | | | | | | | | | | | | | | | | | |
| 47 | MURKAR PRATHAMESH ANANT | | | | | | | | | | | | | | | | | | | |
| 48 | MURKAR NITESH D | | | | | | | | | | | | | | | | | | | |
| 49 | MURKAR ANKITA KISHOR | | | | | | | | | | | | | | | | | | | |
| 50 | MURKAR JYOTI JENORA | | | | | | | | | | | | | | | | | | | |
| 51 | MURKAR JYOTI KANESH | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS | PS |
| 52 | MURKAR NIKUNJ CHANDRALAL | | | | | | | | | | | | | | | | | | | |
| 53 | PATIL VINAY SHASHIKANT | | | | | | | | | | | | | | | | | | | |
| 54 | PATIL DIBINA SANJAY | | | | | | | | | | | | | | | | | | | |
| 55 | POKRESHY PRASAD SHAM | | | | | | | | | | | | | | | | | | | |
| 56 | RAG VIVEK JARESH | 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 YASHWAN TARACHAND | | | | | | | | | | | | | | | | | | | |
| 59 | SAUT AYDNASH AJNATH | | | | | | | | | | | | | | | | | | | |
| 60 | SABLE PRIYANKA ANIL | | | | | | | | | | | | | | | | | | | |
| 61 | SALUNKE 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 PRADY 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
Shahapur




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





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



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



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 | | |





Late Shri Vishnu Waman Thakur Charitable Trust's
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CIVIL ENGG. DEPARTMENT

Late Shri Vishnu Waman Thakur Charitable Trust's
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 ANANDASANI PRATIMA | JK | JK | JK | JK | JK | | | |
| 2 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 3 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 4 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 5 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 6 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 7 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 8 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 9 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 10 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 11 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 12 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 13 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 14 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 15 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 16 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 17 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 18 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 19 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 20 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 21 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 22 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 23 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 24 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 25 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 26 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 27 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 28 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 29 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 30 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 31 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 32 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 33 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 34 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 35 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 36 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 37 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 38 | DR. VANDANA KUMAR ANANDASANI PRATIMA | A | A | A | A | A | | | |
| 39 | DR. VANDANA KUMAR ANANDASANI PRATIMA | 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



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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. 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



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

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 |

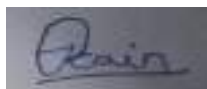
COURSE OBJECTIVE:

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 |




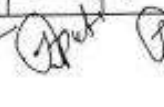


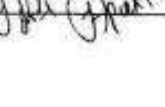

CO-ORDINATOR
PROF. Jayesh Jain



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 | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh |
| 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 | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh | Ritesh |
| 9 | GHODKE SAMEER BABURAO | Sameer | Sameer | Sameer | Sameer | Sameer | Sameer | Sameer | Sameer | Sameer | Sameer |
| 10 | GAVAND RITUL RAVINDRA | Ritul | Ritul | Ritul | Ritul | Ritul | Ritul | Ritul | Ritul | Ritul | Ritul |
| 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 | Aditya | Aditya | Aditya | Aditya | Aditya | Aditya | Aditya | Aditya | Aditya | Aditya |
| 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 | Abhishek | Abhishek | Abhishek | Abhishek | Abhishek | Abhishek | Abhishek | Abhishek | Abhishek | Abhishek |
| 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
Prof. Jayesh Jain

H.O.D
Dr. Ajazul Haque

