



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
And Affiliated to University of Mumbai

Activities done under MoU

Name of the Institution	Year of signing	Duration	Academic Year	List of activities	Page No.
Tech Cryptors	2019	Lifetime	2021-22	1. STTP for faculties on Automation & Monitoring using IOT in Computer Engineering	1 - 7
			2019-20	2. Two days Internship Training Course on UI/UX Designing for students	8 - 12
			2019-20	3. Placement to one student	13



REGISTRATION FORM

**ONE WEEK SHORT TERM TRAINING
PROGRAMME ON
AUTOMATION & MONITORING USING
IOT IN
COMPUTER ENGINEERING
30th June - 5th July 2022**

Name: _____

Designation/Experience: _____

Organization: _____

Address of Organization: _____

Address for correspondence: _____

Contact No(s) : (O) _____ (M) _____ - _____

Email(s): _____

ISTE Membership No: _____

Payment By

GPay/Online Transaction No: _____

Dated: _____ Amount _____

Bank & Branch: _____

Sign of Participant

Institute Authority Sign Date:
with Seal

PATRONS

Hon. Shri. Hitendra Vishnu Thakur

President, Vishnu Waman Thakur Charitable Trust

Hon. Shri. P. D. Kodollikar

Trustee, Vishnu Waman Thakur Charitable Trust

Hon. Ms. Aparna P. Thakur

Secretary, Vishnu Waman Thakur Charitable Trust

CONVENER

Dr. Arun Kumar, Principal, VIVA Inst. of Tech.

COORDINATORS

Prof. Ashwini M. Save, HOD, Computer Engg.

Prof. Chandani Patel, HOD, MCA

Prof. Sunita Naik, Asst. Prof.

ADVISORY COMMITTEE

Dr. Ravindra E. Chaudhari, Associate Prof.,
SFIT

Dr. Tatwadarshi P. N., Associate Prof., VCET

ORGANIZING COMMITTEE

Prof. Reshma Chaudhari

Prof. Vinit Raut

Prof. Bhavika Thakur

Prof. Pradnya Mhatre

CONTACT PERSONS

Prof. Sunita Naik — +91 9970616927

Email: sttp.comps@viva-technology.org



Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, DTE, Government of Maharashtra, Affiliated to University of Mumbai

Shirgaon, Kumbharpada, Virar(E), Dist.-Palghar—401 305.

Contact No. 7770002544

Website: www.viva-technology.org

**ISTE APPROVED
ONE WEEK SHORT TERM TRAINING
PROGRAMME ON
AUTOMATION & MONITORING
USING IOT IN
COMPUTER ENGINEERING**

30th June - 5th July 2022

ORGANIZED BY

**COMPUTER ENGINEERING DEPARTMENT
&
DEPARTMENT OF MASTER OF COMPUTER
APPLICATIONS
VIVA INSTITUTE OF TECHNOLOGY**

ABOUT OUR TRUST

Vishnu Waman Thakur Charitable Trust was formed in the year 1988 under the president-ship of Shri Hitendraj Vishnu Thakur, MLA of Vasai Taluka. The trust was formed to handle several concern and to uplift a remote area like Vasai-Virar. The provision of education, medical and social facilities to the residents of such area was the primary focus. For providing educational facility and an opportunity for the students dwelling in the rural belt, in 1989, the trust started a school "UTKARSHA VIDYALAYA". In the year 2000, the trust started a college known as "VIVA COLLEGE". Having updated itself with concerned requirements, the college now provides & different courses, in addition to the traditional courses of the Science, Commerce and Arts Streams.

ABOUT THE INSTITUTION

VIVA Institute of Technology was established in the year 2009 with a definite mission to develop the standard of the institute above benchmark level, providing students with advanced knowledge and latest technology in the chosen discipline by tapping their hidden and obvious potential, molding them into good and responsible citizens by playing a meaningful role in industry and society. The institute is approved by AICTE, New Delhi & DTE, Maharashtra State and affiliated to Mumbai University. The main objective of the institute has always been promoting education at all levels. VIVA institute is well equipped with workshop, laboratories, computer center with latest machineries, tools, instruments, softwares etc.

ABOUT COMPUTER ENGINEERING DEPARTMENT

The computer engineering department was established in 2009. The department offers regular undergraduate program in "Computer Engineering" having intake of 60.

Our vision is to develop competent citizens who will be valuable contributors in the field of technology and science. Our mission is to create an environment which will stimulate research, creativity and innovation and to provide students with comprehensive knowledge of the latest developments in Computer Engineering.

ABOUT THE COURSE

Internet of Things offers advanced connectivity of devices, systems, things and services that goes beyond machine-to-machine communications and requires a variety of protocols, domains for various applications. The IoT will foster the development of a number of applications.

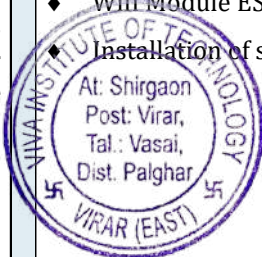
This STTP aims to make the participants realize the importance of IoT and its applications in various fields as well as to demonstrate some demo projects on specific applications. This course also gives an introduction to IoT, so that participants can learn to build their own IoT products for various applications. Expert lectures and hands on sessions are designed with focus on interactive training to the participants with better practical understanding on IOT.

COURSE OBJECTIVES

- ◆ To appraise the participants with the urgent need of IOT
- ◆ To help the participants practically understand components used in IOT and their calibration
- ◆ To provide hands-on training to demonstrate fundamental concepts of IoTs

COURSE CONTENTS

- ◆ Introduction to UOI & IOT
- ◆ Arduino Boards Hardware
- ◆ Buzzer and MOTOR controlling through Arduino
- ◆ IR Sensor
- ◆ Introduction to Pulse Width Modulation
- ◆ Wifi Module ESP-8266
- ◆ Installation of server communication app



ELIGIBILITY

PG students, Research Scholars, Faculty from Engineering, MCA, Management and delegates from industry can attend the programme.

EVENT DETAILS

Date: 30th June – 5th July 2022

Time : 9:00am to 5:00pm

Venue: VIVA Institute of Technology

Shirgaon, Virar(E), District-Palghar,
State-Maharashtra,

REGISTRATION

P.G. Student or Research Scholar : Rs. 500/-

Academicians (Faculty) : Rs. 500/-

Delegates from Industry : Rs. 500/-

Kindly email the Registration Form to the coordinators before the deadline.

Registration fees can be paid through online bank transfer or GPay.

Details for online transfer:

Beneficiary Name: Sunita Vinay Naik

Account No: 003100100052357

Bank Name: Vasai Vikas Sahakari Bank Ltd

Branch: Thakur arcade, Virar west

IFSC code- VVSB0000003

Details for GPay:

Beneficiary Name: Sunita Naik

Mobile No.: 9970616927 or (mhatre.sunita@okicici)



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra and Affiliated to the University of Mumbai)
Shirgaon, Kumbharpada, Virar(E), Taluka - Vasai - 401305, Phone no: 7770092544 Website: www.viva-technology.org
COMPUTER ENGINEERING DEPARTMENT

Academic Year 2021 - 22

**Report on ISTE Approved One Week Short Term Training Program on
Automation & Monitoring using IOT in Computer Engineering organized by
Computer Engineering Department**

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.

IoT extends the power of the internet beyond smartphones and computers to ordinary household objects such as lightbulbs, locks, smart microwaves, wearable fitness devices, sophisticated industrial tools, and self-driving cars, affording them a higher degree of analytical and computing capabilities.

IoT has many uses; however, it depends on key technologies and components to connect devices to the internet, such as:

- Sensors to collect the data from the environment for the IoT system to process it
- Connection and identification from the device to the IoT system through an IP address
- Actuators that allow the devices to take action based on data from their own sensors and network feedback
- IoT gateway to bridge data from the different devices to reach the cloud. It also translates the devices’ protocols into one standard protocol and filters out unnecessary data from the devices.



- The cloud, where all data from the IoT devices is gathered and processed by software
- User interface, from where users get the data from the devices so that they can make the required commands that the devices need to execute

Automation ties all these components together and ensures that processes work smoothly without the involvement of a human being.

Due to this reason, the Short term training program (STTP) was organized by the Computer Engineering Department, VIVA Institute of Technology. The speaker was from Tech Cryptors, Mumbai.

STTP on Automation & Monitoring using IOT in Computer Engineering

The objective of the ISTE Approved STTP was

- To appraise the participants with the urgent need of IOT
- To help the participants practically understand components used in IOT and their calibration
- To provide hands-on training to demonstrate fundamental concepts of IoTS

The ISTE approved STTP was conducted from 30th June to 5th July, 2022 in VIVA Institute of Technology, Computer Engineering. The inauguration was attended by Principal Dr. Arun Kumar, Mr. Yadnesh Mohan Zagade.

Sr. No.	Date	Topics Covered
1	30 th June 2022	Introduction to UOI & IOT, practically explored components, sensors, microcontrollers, Arduino Boards Hardware
2	1 st July 2022	Coding for controlling Buzzer through Arduino, Motor driver & architecture of its hardware chip, IR Sensor, Calibration of IR Sensor with different components like LED, RGB, Motor, buzzer etc.
3	2 nd July 2022	Pulse Width Modulation, Calibrating potentiometer with different components like LED, RGB, Motor, buzzer etc.,



		Calibrating ESP 8266 with our Microcontroller by coding our own programs in C Embedded, structure of WiFi breakout board
4	4 th July 2022	Interfacing our complete system with Internet using ESP 8266, Calibrating system with server-based app for reading real time sensor values on.
5	5 th July 2022	Quiz





The speaker was very well received by the attendees. The attendees gave very good feedback to the speaker. A total of 18 participants participated in the One week ISTE approved short term training program.





Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi, DTG, Govt. of Maharashtra and Affiliated to the University of Mumbai)
Shirgaon, Kumbharpada, Virar(E), Taluka-Vasai-401305, Phone no.7770002544 Website: www.viva-technology.org
COMPUTER ENGINEERING DEPARTMENT

Circular

Ref No. VIT/COMP/101/2021-2022

Date: 28/06/2022

This is to inform that Computer Engineering Department & Department of Master of Computer Applications are Organizing AICTE-ISTE approved one-week STTP (Short term Training Program) on **"Automation & Monitoring using IoT in Computer Engineering"** from 30th June to 5th July 2022.

Interested faculties can register on or before 29th June 2022.

for, 28/6/22

(Prof. Ashwini Save)
Head,
Computer Engineering Department

Enclosure : STTP Brochure

Cc to:

PRINCIPAL

MCA Dept. file for 29/6/22

HOD CIVIL/ELECTRICAL/EXTC/EE/MECHANICAL





Late Shri. Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra and Affiliated to the University of Mumbai)
Computer Engineering Department



To

Tech Cryptors,

Mumbai

Respected sir,

We are pleased to inform you that Computer Engineering Department, Viva Institute of Technology, Virar (E), Organized Internship Training Course on UI/UX Designing for duration of TWO DAYS,

On 19/09/2019 and 20/09/2019, which was conducted by TECH CRYPTORS.

We appreciate your training program and efforts of your team in training our students, the quality of training conducted in the areas of new technology in improving the skills of the students are highly commendable.

Most importantly, we thank you for the time, patience, expertise, discipline and all other qualities which had such an important impact on our students. Your contribution for the benefit of the society is Appreciable.

Congratulations again on your excellent work! We at Viva Institute of technology, Virar (E) are deeply grateful.

We look forward to have a strong continued association with your organization.

Thanks & Regards,

Yours truly

Prof. Umesh Mohite
(Incharge, CSI-VIVA Tech)

Prof. Ashwini Save
(Student Branch Councilor)
(HOD, Computer Engg. Department)





VIVA INSTITUTE OF TECHNOLOGY
COMPUTER SOCIETY OF INDIA (Student Branch)



WORKSHOP

ACADEMIC YEAR 2019-2020

19/09/2019 & 20/09/2019

CLASS :- S.E.

DATE :- 19/09/19

SESSION :- Morning

SR. NO.	NAME	ROLL NO.	SIGN
1.	Maitri Bhagat	2	M Bhagat
2.	Yukta Bharankar	3	Yukta
3.	Mayur Bote	4	Mayur Bote
4.	Gauresh Desai	6	Gauresh Desai
5.	Mansi Deepak Dhuri	7	Mansi
6.	Govindnarayan Dubey	8	Govind
7.	Sagar Arun Gorle	10	Sagar
8.	Amit Gupta	11	Amit
9.	Gaurav Gupta	12	Gaurav
10.	Abhishek Ashok Iswalkar	16	Abhishek
11.	Rutuja Jadhav	17	Rutuja
12.	Shweta Jha	18	Shweta
13.	Atharv Kadam	19	Atharv
14.	Karan Kumar	20	Karan
15.	Divya Karwande	21	Divya
16.	Rithik Kharatmol	22	Rithik
17.	Suyash Koltharkar	23	Suyash
18.	Deep Limbad	24	Deep
19.	Hritik Mahadik	25	Hritik
20.	Kamlesh Mali	26	Kamlesh
21.	Balaji Subhash Mhetre	28	Balaji



22.	Samiksha Sanjay Mobarkar	29	SAMIKSHA
23.	Aditi Santosh More	30	Aditi
24.	Darshan Naik	31	Darshan
25.	Prathamesh S. Naik	32	Prathamesh
26.	Rahul Nair	33	Rahul
27.	Sushant Nikam	34	Sushant
28.	Yash Pandhare	35	Yash
29.	Hemil Patel	36	Hemil
30.	Kush Patel	37	Kush
31.	Yash Patil	38	Yash
32.	Yogeshwar Patil	39	Yogeshwar
33.	Pawan Pujari	40	Pawan
34.	Anant Prajapati	42	Anant
35.	Siddhesh Sunil Rane	43	Siddhesh
36.	Siddhita Subhash Salunke	44	Siddhita
37.	Kshitij Salvi	45	Kshitij
38.	Samani Mohammad Hamid Amjad Ali	46	Hamid
39.	Sumit Samanta	47	Sumit
40.	Priyank Shah	48	Priyank
41.	Nitiket Shinde	50	Nitiket
42.	Aditya Vilas Sule	53	Aditya
43.	Sanika Suthar	54	Sanika
44.	Rahul Tambat	55	Rahul
45.	Tanushka Padelkar	56	Tanushka
46.	Tarun Thanvi	57	Tarun
47.	Simran Netarsingh Thakur	58	Simran
48.	Hussain Thanawala	59	Hussain
49.	Ashwani Tiwari	60	Ashwani
50.	Ritesh Vaishya	61	Ritesh
51.	Piyush Yadav	62	Piyush
52.	Pratik Singh	63	Pratik
53.	Chirag Patil	64	Chirag
54.	Deveshree Kadu	65	Deveshree
55.	Shubham Kore	66	Shubham





VIVA INSTITUTE OF TECHNOLOGY
COMPUTER SOCIETY OF INDIA (Student Branch)



WORKSHOP

ACADEMIC YEAR 2019-2020

19/09/2019 & 20/09/2019

CLASS :- S.E.

DATE :- 20/09/19

SESSION :- Afternoon

SR. NO.	NAME	ROLL NO.	SIGN
1.	Maitri Bhagat	2	<i>Maitri Bhagat</i>
2.	Yukta Bharankar	3	<i>Yukta Bharankar</i>
3.	Mayur Bote	4	<i>Mayur Bote</i>
4.	Gauresh Desai	6	<i>Gauresh Desai</i>
5.	Mansi Deepak Dhuri	7	<i>Mansi Deepak Dhuri</i>
6.	Govindnarayan Dubey	8	<i>Govindnarayan Dubey</i>
7.	Sagar Arun Gorle	10	<i>Sagar Arun Gorle</i>
8.	Amit Gupta	11	<i>Amit Gupta</i>
9.	Gaurav Gupta	12	<i>Gaurav Gupta</i>
10.	Abhishek Ashok Iswalkar	16	<i>Abhishek Ashok Iswalkar</i>
11.	Rutuja Jadhav	17	<i>Rutuja Jadhav</i>
12.	Shweta Jha	18	<i>Shweta Jha</i>
13.	Atharv Kadam	19	<i>Atharv Kadam</i>
14.	Karan Kumar	20	<i>Karan Kumar</i>
15.	Divya Karwande	21	<i>Divya Karwande</i>
16.	Rithik Kharatmol	22	<i>Rithik Kharatmol</i>
17.	Suyash Koltharkar	23	<i>Suyash Koltharkar</i>
18.	Deep Limbad	24	<i>Deep Limbad</i>
19.	Hritik Mahadik	25	<i>Hritik Mahadik</i>
20.	Kamlesh Mali	26	<i>Kamlesh Mali</i>
21.	Balaji Subhash Mhetre	28	<i>Balaji Subhash Mhetre</i>



22.	Samiksha Sanjay Mobarkar	29	SAMIKSHA
23.	Aditi Santosh More	30	Aditi
24.	Darshan Naik	31	D. Naik
25.	Prathamesh S. Naik	32	Prathamesh
26.	Rahul Nair	33	Rahul
27.	Sushant Nikam	34	S. Nikam
28.	Yash Pandhare	35	Yash
29.	Hemil Patel	36	H. Patel
30.	Kush Patel	37	Kush
31.	Yash Patil	38	Yash
32.	Yogeshwar Patil	39	Yogeshwar
33.	Pawan Pujari	40	P. Pujari
34.	Anant Prajapati	42	Anant
35.	Siddhesh Sunil Rane	43	Siddhesh
36.	Siddhita Subhash Salunke	44	Siddhita
37.	Kshitij Salvi	45	Kshitij
38.	Samani Mohammad Hamid Amjad Ali	46	Samani
39.	Sumit Samanta	47	Sumit
40.	Priyank Shah	48	Priyank
41.	Nitiket Shinde	50	N. Shinde
42.	Aditya Vilas Sule	53	
43.	Sanika Suthar	54	Sanika
44.	Rahul Tambat	55	Rahul
45.	Tanushka Padelkar	56	Tanushka
46.	Tarun Thanvi	57	Tarun
47.	Simran Netarsingh Thakur	58	Simran
48.	Hussain Thanawala	59	Hussain
49.	Ashwani Tiwari	60	Ashwani
50.	Ritesh Vaishya	61	Ritesh
51.	Piyush Yadav	62	Piyush
52.	Pratik Singh	63	Pratik
53.	Chirag Patil	64	
54.	Deveshree Kadu	65	Deveshree
55.	Shubham Kore	66	Shubham





DATE: 01-08-2019

Ref:-TC350

1st August 2019

To

Mr. Onkar Nagarkar
Mumbai.

Subject: Appointment Letter

Dear Onkar,
Congratulations!

We are pleased to appoint you as **"Junior Research & Development Engineer."**

Your **Date of Joining** - 5th August 2019.

Work Timing – 9.30 to 6.30

Salary – 12,000 In Hand (Plus Incentives)

Annual Leave – 12

At the time of Joining, you are required to bring following original documents:

- Original Copies of all Education Qualification Certificates with Mark Sheets (10th, 12th, Degree/Diploma/PG etc.).
- Original Experience certificate of past Employments (If Any).
- Photo Copy of Age Proof (Birth Certificate).
- 2 Passport Size Photographs

We welcome you to the **Tech Cryptors** Family and look ahead to a long-term association with you.

***Note:** Above Joining letter is given as per acceptance of Terms & Conditions of company along with Bond, the copy of that is given separately for sign.

Yours Faithfully



Yadnesh Mohan Zagade

Founder

Tech Cryptors

techcryptos@gmail.com

www.techcryptors.com

