



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

Department of Master of Computer Application

Topic Name:	Future of IOT with Opportunities & Challenges
Name of the Guest Speaker:	Mr. Yadnesh Mohan Zagade
Designation:	Sr. Research & Development Engineer, CEO, Founder
Organization/Institution:	TechCryptors
Date:	30th June 2022 to 5 th July 2022
Time:	09:00 AM to 04:00 PM

Programme Summary/Details:

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.	Designation	Organization
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 programme.



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