Computer Engineering Department

Topic Name:	**STTP on Automation & Monitoring using IOT.**
Name of the Guest Speaker:	**Mr. Yadnesh Mohan Zagade.**
Designation:	**C.E.O.**
Organization/Institution:	**Tech Cryptors**
Date:	**30th June 2022 to 5th 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 ofTechnology, Computer Engineering. The inauguration was attended by Principal Dr. Arun Kumar, Mr. Yadnesh Mohan Zagade.

Sr. No.	Designation	Organization
1	30th June 2022	Introduction to UOI & IOT, practically explored components, sensors, microcontrollers, Arduino Boards Hardware
2	1st 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	2nd 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	4th July 2022	Interfacing our complete system with Internet using ESP 8266, Calibrating system with server-based app for reading real timesensor values on.
5	5th July 2022	Quiz

The speaker was very well received by the attendees. The attendees gave very good feedback tothe speaker.

A total of 18 participants participated in the One week ISTE approved short term training programme.

Late Shri. Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

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