Shree Swami Atmanand Saraswati Institute of Technology
(Managed by Shree Tapi Brahmcharyashram Sabha)
Approved by AICTE, New Delhi and Affiliated to GTU, Ahmedabad
न हि ज्ञानेन सदृशं पवित्रमिह विद्यते ।

A Report on Workshop on " IoT Essentials: From Basics to Applications"

The IoT Essentials: From Basics to Applications workshop was a two day workshop held on 16th and 17th of February 2024. The workshop was conducted for 113 Computer Engineering Students.

16th February 2024, 11:00 AM - 1:00 PM, Parth Gadhiya from MeMighty, delivered expert talk on Introduction to IoT, Real life Case studies on IoT and Application of IoT.

17th February 2024, 10:00 AM - 5:00 PM, Mr. Jignesh Patoliya, Conducted handson session with Microcontrolller and may other contents. The Out of 120 the students who participated and were divided into teams.

Each team was provided with the IOT kit which contained the following items:

- ESP8266 node-MCU
- Micro USB
- LED
- Relay module
- DHT11 Sensor
- PIR sensor
- Breadboard
- Jumper wires

As we know "The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-tocomputer interaction. This workshop provided the updated IOT with all one require to get aware WHAT THE HACK THIS INTERNET OF THINGS IS? " The workshop involved the concepts to be taught to the students:

- Controlling Relay with Sensor
- Controlling LED using Mobile App
- Monitoring Temperature & Humanity Data in Mobile App
- Controlling LED usingGoogle Assistant
- Automation using Sensor's Data

Glipmses of session