Sandip Foundation's
Sandip Institute of Technology & Research Centre,
Mahiravani, Trimbak Road, Nashik - 422 213

Department of Electrical Engineering

Date: - 18/04/2021

NOTICE

All students of the S.E. Electrical Engineering are hereby informed that the department has organized two days "Workshop on IOT in electrical Applications" on 27 & 28 April 2021 at 11:00 A.M. Participants gained insights into how IoT can be used to enhance the efficiency, safety, and functionality of electrical systems. The session covered the latest trends, tools, and practical applications of IoT in areas such as smart grids, automation, energy management, and fault detection.

It is compulsory for all students to attend the webinar.

Prof. G G Akotkar
Event Coordinator

Prof. N. S. Patil
HoD, Electrical Engineering

Head of Department
Electrical Engineering
Sandip Institute of Technology and Research Centre
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Electrical Engineering Department
SITRC, Nashik

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CGPA Score :3.11

Report

Name of Event: Workshop on IOT in electrical Applications

Date of Event: 27 & 28 April 2021

Type of the Event: Workshop

Duration of Event: 2 days

Mode of Event: Online

Name of resource person: Prof. Ganesh Attarde

Name and Address of Company: CEO,GB Softonic Solution

Name of Event Coordinator: Prof. G G Akotkar

Participant: SE Electrical Students

Aim:

The primary aim of the workshop was to educate and train participants on the applications of IoT in electrical systems. It aimed to demonstrate how IoT-enabled devices and technologies are transforming electrical infrastructure by providing real-time data, remote monitoring, and advanced automation capabilities.

Objective:

1. To introduce the fundamental concepts of IoT and explain how it integrates with electrical engineering systems.
2. To explore the technological infrastructure that supports IoT solutions (sensors, connectivity, cloud computing, and data analytics).
3. To examine how IoT is used in electrical applications such as smart grids, energy meters, power distribution, and automation.
4. To provide examples of IoT-based systems used for monitoring, controlling, and optimizing electrical networks.
5. To help participants gain experience using IoT development platforms, sensors, and communication protocols in real-world electrical contexts.

Outcomes:

1. **Enhanced Understanding of IoT in Electrical Systems:** Participants gained a solid understanding of how IoT technologies are being applied in the electrical industry, particularly in areas such as smart grids, automated power distribution, and energy management systems.
2. **Hands-on Experience with IoT Tools:** Attendees had the opportunity to work with IoT platforms, sensors, and devices, gaining practical experience in setting up IoT-based applications for electrical systems. This hands-on approach allowed participants to grasp key concepts like real-time data collection, remote monitoring, and system control.
3. **Exposure to Real-World IoT Applications:** Case studies and demonstrations illustrated how IoT is currently being used in electrical applications such as:
    a. **Smart Grids**: Optimizing electricity distribution and managing energy flow based on real-time demand.
    b. **Smart Meters**: Enabling remote monitoring of energy usage and predictive maintenance.
    c. **Energy Management Systems**: Improving energy efficiency by optimizing consumption and reducing wastage.

Summary Report of Drafting of patent Contents

Department of Electrical Engg. Organized session on 'Workshop on IOT in electrical Applications' delivered by Prof. Ganesh Attarde, CEO, GB Softonic Solution at Electrical Department for SE students.

Prof. G G Akotkar
Event Coordinator

Prof. N. S. Patil
HoD, Electrical Engineering

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Electrical Engineering
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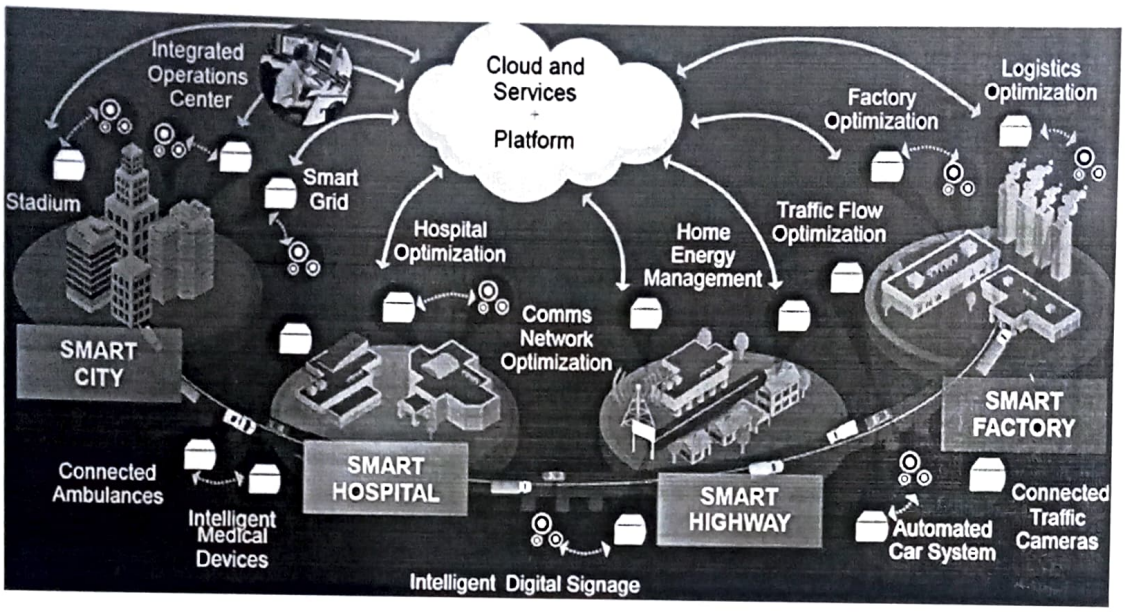
Prof. (Dr.) S. T. Gandhe
Principal

Electrical Engineering Department SITRC, Nashik

Some Glimpses of the session is as follows



Photos of the Event