



Jansons Institute of Technology

Karumathampatti, Coimbatore – 641 659

Report

Name of the Program / Activity / Event / Others	Technical Webinar on "Role of IOT in Healthcare and Fitness Monitoring" by Mr.S.Atheenamilagi Pandian
Date & No. of days	28.05.2021 & 01
Organized by	IIOT CLUB
In association with	-
Venue	Virtual platform - Moodle
Participants/ Beneficiaries	Students of all disciplines

Event brief (500 words with photo):

A Technical Webinar on "Role of IOT in Healthcare and Fitness Monitoring" organized on 28.05.2021 by the Industrial IOT club at Jansons Institute of Technology, Coimbatore. Mr.S.Atheenamilagi Pandian, Founder & Managing Director, Atheenapandian Private Limited, Tenkasi, clearly stated the importance of bio sensors in smart hospital optimizations. The program was an initiative towards imparting knowledge regarding the trainings and opportunities available for Engineering students in Biomedical field.

The resource person briefed about the automatic wireless health monitoring system in hospitals for patients along with the interconnection of bio sensors with IOT systems. He gave an insight towards the significance of Artificial Intelligence and Machine learning approaches for biomedical data interpretation. Students and Faculty members took part in the event which was enriching and highly insightful. The session ended with the interaction of the students with the resource person.



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IoT IN HEALTHCARE

IoT in Healthcare is a heterogeneous computing, wirelessly communicating system of apps and devices that connects patients and health providers to diagnose, monitor, track and store vital statistics and medical information.

Few examples of IoT in Healthcare

- Headsets that measure brainwaves
- Clothes with sensing devices
- BP monitors
- Glucose monitors
- ECG monitors
- Pulse oximeters
- Sensors embedded in medical equipment, dispensing systems, surgical robots and device implants
- Any wearable technology device.....

Interaction of resource person Mr.S.Atheenamiliagi Pandian, Founder & Managing Director, Atheenapandian Private Limited, Tenkasi, on 28.05.2021 through Moodle.

Automatic Wireless Health Monitoring System in Hospitals for Patients

Patient Monitoring Block Diagram-Transmitter

The diagram shows a block diagram of a transmitter system. It includes a Transformer (230V), Rectifier, Regulator, Display, ANTENNA, Encoder, Transmitter, RF module, Asm/C Program, 8051 series MC, and a Temperature Sensor (DS1621). The URL <http://www.edgefxkits.com/> is displayed at the bottom.

Technical Webinar on "Role of IOT in Healthcare and Fitness Monitoring"

Outcomes	Students will be able to build their career and the knowledge required for the industry need.
Feedback	Excellent
Suggestions / Future actions	More number of sessions can be planned.

Mrs.N.Krishnapriya
Faculty In-charge