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Connected Life Safety Systems IoT Gateways

Department of ECE & EEE

30th October 2021

Event Report – 'Connected Life Safety Systems IoT Gateways'

OBJECTIVE: To make students aware of IoT Gateway

An internet of things (IoT) gateway is a physical device or software program that serves as the connection point between the cloud and controllers, sensors and intelligent devices. All data moving between the IoT devices and the cloud pass through an IoT gateway, which can be either a dedicated hardware appliance or a software program. An IoT gateway might also be referred to as an intelligent gateway or a control tier.

Mr. Sreekanth S V, Sr. Advanced Embedded Engineer (Technology Specialist) Honeywell India Automations Pvt. Ltd., Bengaluru. was the Guest Speaker for this lecture on 'Connected Life Safety Systems IoT Gateways'.

Honourable Principal Dr. Mahabaleswarappa felicitating Mr. Sreekanth

Mr. Sreekanth first explained how a safety system for fire accidents can be developed by an IoT gateway system. His talk focused on the definition and components of a Fire Alarm system. Various detectors used in sensing the fires and the different types of Fire Alarm systems were discussed. Mr.

Sreekanth took up examples of some of the real-world sites where Fire Alarm systems are installed, and explained how they are working to provide the safety systems. He elaborated on how the installation is done on Networking a Fire Alarm system, and how data are routed to various locations. He explained how a Fire Alarm system is maintained, elaborating on the kind of maintenance that needs to be carried out, for better operations. He briefly touched upon the typical problems in a Fire Alarm system, and how to overcome these issues.

Mr. Sreekanth S V delivering a Lecture on 'Connected Life Safety Systems IoT Gateways'

Mr. Sreekanth then explained how we can solve the different problems in a Fire Alarm system, using IOT. He described a Connected Life Safety Service Gateway and the platform used for implementation. He showed some real-time demonstrations, explaining the different operations involved.

Students found the Lecture very useful - it helped them gain insights into a real-time scenario in the field of Internet of Things.