DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ACADEMIC YEAR 2021 – 2022 ODD SEMESTER

INTERNAL STAFF SEMINAR REPORT

Department of Computer Science & Engineering and students branch of IEEE jointly organized an internal staff seminar on 15.09.2021 at CSE Lab – I.

OBJECTIVE

The objective of the seminar is to enhance the technical skills of faculties and get them aligned with the current requirements of IT industry.
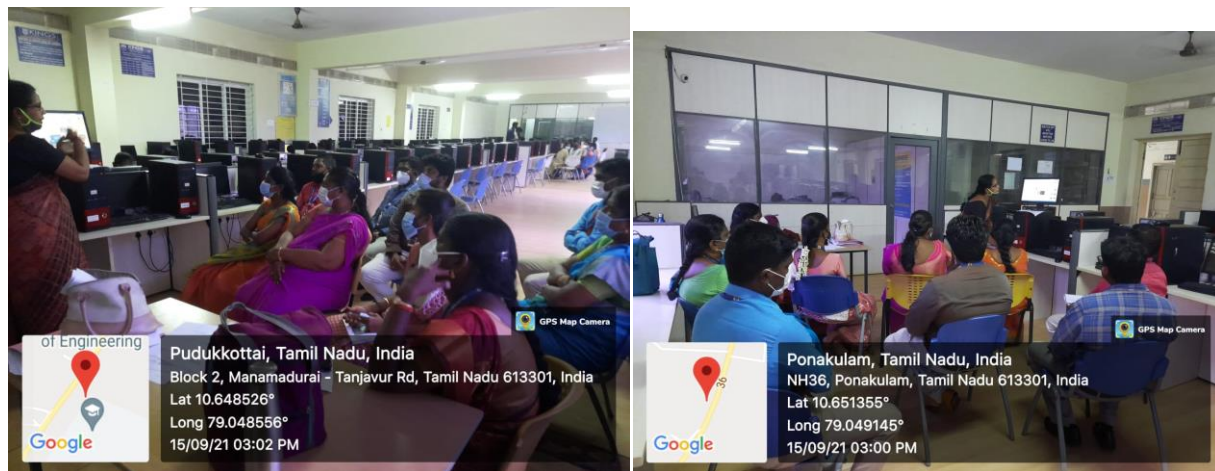
SESSION DETAILS

Ms.S.Puvaneswari AP/CSE handled the session in the topic of "IoT application using Tinkercad.Com". She described the procedure to create a workspace in that website. Tinkercad.com is a freeware website which is used to provide a platform to develop an IoT project. It allows the user to create 3D designs, new circuit designs. It consists of various components and simulates the functionalities of real sensors such as vibration sensor, thermal sensor and so on. To develop an IoT project, the website offers two kinds of coding Methods. First method contains the blocks. The blocks will be placed where it is required and executed when the project is started. Second type of coding follows the c++ syntax. It contains setup function and loop function. Based on the requirement, the number of functions varied. The resource person demonstrated three projects such as,

- Glowing an LED bulb
- Glowing an LED bulb using Arduino kit
- Displaying the meter reading using vibration sensor.

OUTCOME OF THE EVENT

- Got an idea about IoT projects

- Acquired skills to develop IoT projects using Tinkercad.com

- Understand the functionalities of each components and circuit designs

- Assist the students to develop project in this domain

- Acquired knowledge about Tinkercad.com

Internal seminar session snapshot