



ST. JOSEPH'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Elupatti, Thanjavur – 613 403

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2023-2024 (ODD Semester)

Report on Student Seminar Presentation

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| Name of the Event | : Student Seminar Presentation |
| Organizing Department | : ECE |
| Co-ordinator | : Mrs.M.Backia Lakshmi, AP /ECE |
| Date of the Event | : 01.09.2023 |
| Resource Person | : Mr. M.Abilash, Mr. D.Rohan kumar, Mr. N.Nandha Kumar, Ms. P.Vinojasmine - III year Mr. M.S.Hariharan, Mr. M.Mageshwaran – III year Mr. J.Augustin Raj - III year St.Joseph's College of Engineering and Technology, Thanjavur. |
| Targeted Audience | : III year students and faculties |
| No. of Participants | : 49 |
| Venue & Time | : Main Block Seminar Hall & 11.40 am to 12.30 pm. |
| Objective of Event | <ul style="list-style-type: none">• To detect toxic or explosive gasses and measure gas concentration.• To control and monitor a wide range of devices and systems from a single location.• To protect an electrical circuit and to provide battery backup. |
| Outcome of the event | <ul style="list-style-type: none">• To prevent anyone from being exposed to toxic gases.• To provide ease to people to control different home appliances with the help of the android application.• To provide over current protection of an electrical circuit and protecting the equipment from damage. |

PROGRAMME DETAILS:

Mr. M.Abilash, Mr. D.Rohan kumar, Mr. N.Nandha Kumar, Ms. P.Vinojasmine - III year students have discussed about "IoT based Home Automation

Mr. M.S.Hariharan, Mr. M.Mageshwaran – III year students have discussed about "Gas Leakage Detection using MQ-2 Sensor".

Mr. J. Augustin Raj – III year students have presented the topic “Manufacturing of Fuse, Tripper and UPS”.

Finally, mentors Mrs.S.Sudha, Mr.S.Jerald John James, Dr.R.Meera, Dr.A. Backia Abinaya and Ms.G.Ashika explained how to provide real-time applications in their related areas. The students engaged fully in the questioning session and the class was quite interactive.

SCREENSHOTS:



Figure 1: III year students Mr. M.S.Hariharan, Mr. M.Mageshwaran, presented about Gas Leakage Detection using MQ-2 Sensor.



Figure 2: III year student Mr. J. Augustin Raj, presented about Manufacturing of Fuse, Tripper and UPS.

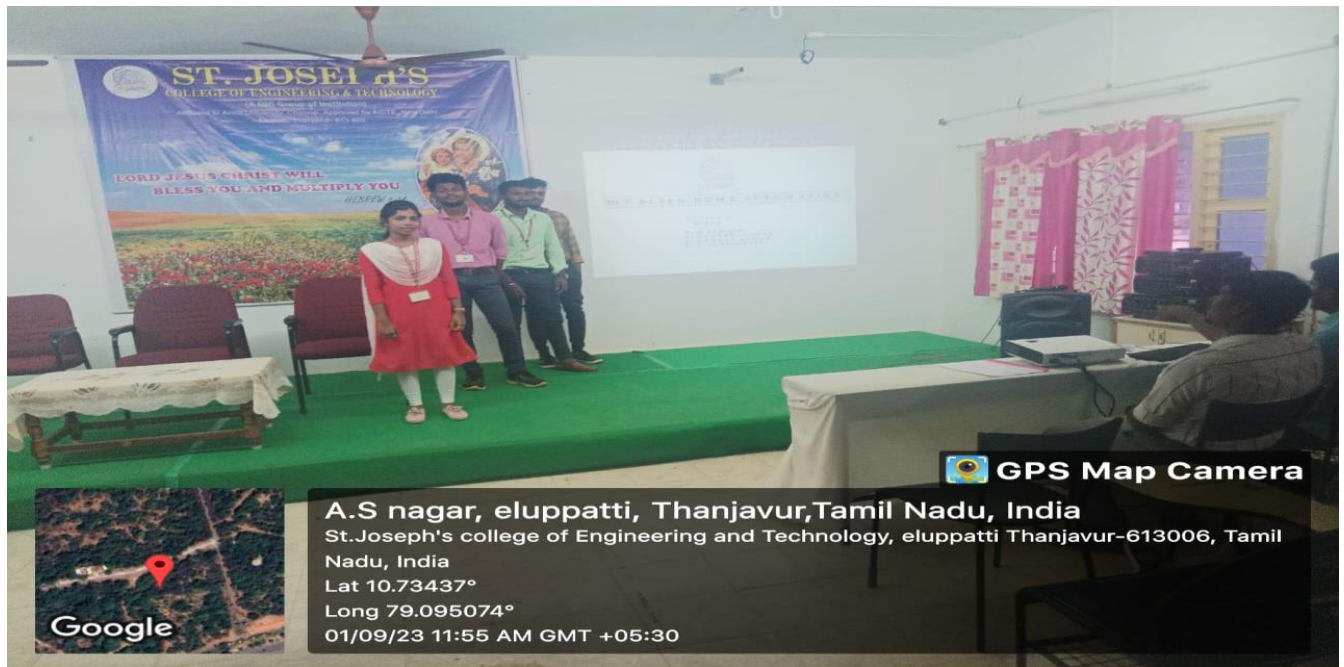


Figure 3: III year students Mr. M.Abilash, Mr. D.Rohan kumar, Mr. N.Nandha Kumar, Ms. P.Vinojasmine, presented about IoT based Home Automation.