



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

- Name of the Event** : Student Seminar Presentation
- Organizing Department** : ECE
- Co-ordinator** : Mrs.M.Backia Lakshmi, AP /ECE
- Date of the Event** : 25.08.2023
- Resource Person** : Mr. K.Gokulakrishnan, Mr. U.B.Raajeswaran, Mr. K.Baranitharan,
Mr. P.Lokesh – IV year
Ms. S.Axicilin Jenifer, Ms. R.Desika, Ms. S.A.Gajalakshmi,
Ms.A.Helan - III year
Ms.S.Sushmitha, Ms.M.Tamilselvi – IV year
St.Joseph's College of Engineering and Technology, Thanjavur.
- Targeted Audience** : III and IV year students and faculties
- No. of Participants** : 50
- Venue & Time** : Main Block Seminar Hall & 11.40 am to 12.30 pm.
- Objective of Event** :
 - To detect the crack on the railway track by not receiving the echo from the track.
 - To monitor and maintain the weather data or soil moisture data to determine the irrigation need of the landscape.
- Outcome of the event** :
 - To allows users to monitor and detect the crack its location.
 - To automatically irrigate the water based on the moisture level in the soil and send the data to ThingSpeak server.

PROGRAMME DETAILS:

Mr.K.Gokulakrishnan, Mr.U.B.Raajeswaran, Mr.K.Baranitharan, Mr.P.Lokesh - IV year students have discussed about "Railway Track Crack Detection and Alert System Using GSM& GPS".

Ms.S.Axicilin Jenifer, Ms.R.Desika, Ms.S.A.Gajalakshmi, Ms.A.Helan – III year students have discussed about "Smart Irrigation System Using ThingSpeak".

Ms.S.Sushmitha, Ms.M.Tamilselvi – IV year students have presented the topic "FSM Based Vending Machine".

Finally, mentors Mrs.S.Sudha, Mr.V. Muthupandian, Mr.S.Jerald John James, Mr.G. Deepak Kumaran, Mrs.M. Backia Lakshmi 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: IV year students Mr.K.Gokulakrishnan, Mr.U.B.Raajeswaran, Mr.K.Baranitharan, Mr.P.Lokesh, presented about Railway Track Crack Detection and Alert System Using GSM & GPS.



Figure 2: III year students Ms.S.Axicilin Jenifer, Ms.R.Desika, Ms.S.A.Gajalakshmi, Ms.A.Helan, presented about Smart Irrigation System Using ThingSpeak.

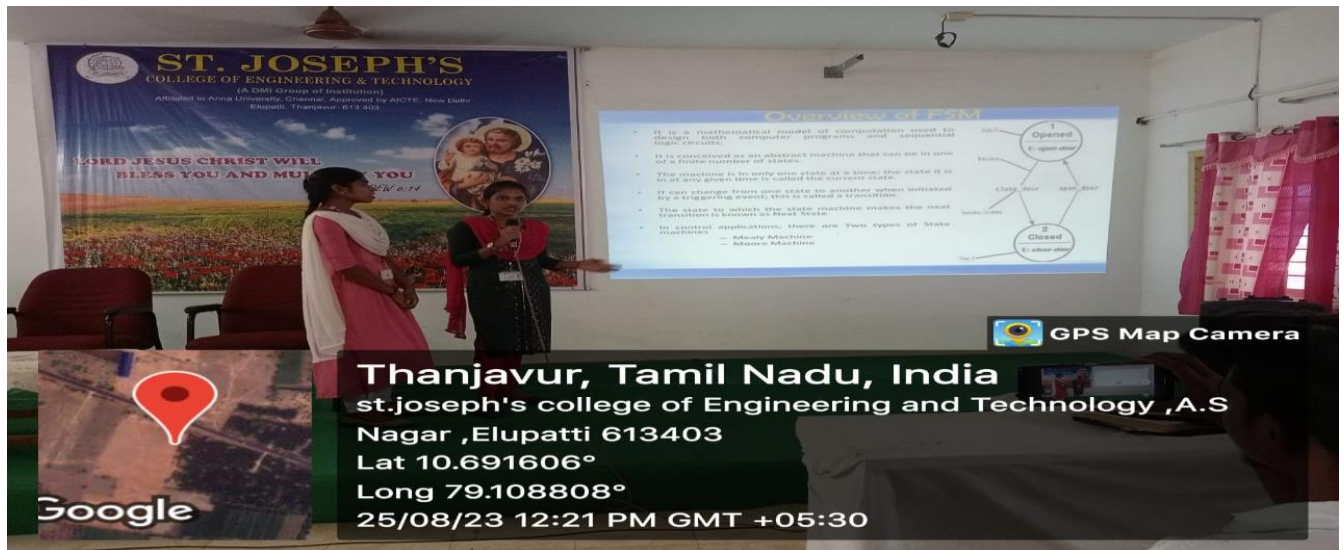


Figure 3: IV year students Mr Ms.S.Sushmitha, Ms.M.Tamilselvi, presented about FSM Based Vending Machine.