ST.JOSEPH'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Elupatti, Thanjavur – 613 403

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2023-2024 (EVEN Semester)

Report on Student Seminar Presentation

Name of the Event	**:**	Student Seminar Presentation
Organizing Department	**:**	ECE
Co-ordinator	**:**	Ms.G.ASHIKA, AP /ECE
Date of the Event	**:**	09.02.2024
Resource Person	**:**	Ms. P.Vinojasmine, Ms.K.J.Bhuvaneshwari, Ms.S.A.Gajalakshmi, Ms.B.Tharaniga, Ms.D.Dhanushya - III year
		Mr. J.Augustin Raj, Ms.S.Axcilien Jenifer, Ms.R.Desika, Ms.A.Helan, Ms.D.Akalya - III year
		St.Joseph's College of Engineering and Technology, Thanjavur.
Targeted Audience	**:**	III students and faculties
No. of Participants	**:**	25
Venue & Time	**:**	Seminar Hall & 01.00 pm to 01.50 pm.
Objective of Event	**:**	• To help the enhances an extra level of security to the banks.
		• To design an efficient automatic authorized vehicle identification system
Outcome of the event	**:**	• To prevent a Savings Account or a Current Account with a bank to open a locker.
		• To provide the automatic vehicle recognition system plays a major role in detecting threats to defense

PROGRAMME DETAILS:

On February 09th 2024, students in the III year participated in an offline presentation for their student seminar. The lecture was delivered to 22 members. The major goal of this event was to provide a forum for students to share their knowledge on recent technologies, which would improve their research ideas, develop excellent presenting skills, and whet their appetite for discovering new innovations in their field of study.

Mr. J.Augustin Raj, Ms.S.Axcilien Jenifer, Ms.R.Desika, Ms.A.Helan, Ms.D.Akalya - III year students have discussed about "Bank Locker System by using Embedded". In this project, It is said that a bank locker is the safest place to store valuable necessities. In light of this, the security of these

lockers has drawn considerable attention, particularly in urban areas. As a result, most people either install multiple locks or use a digital solution like alarm systems to address the safety danger. Alarm systems use a number of sensors and come in a wide range of designs. However, it can recognize various environmental alterations, which are assessed and then trigger an alarm based on a pre-defined value

Ms. P.Vinojasmine, Ms. K.J.Bhuvaneshwari, Ms. S.A.Gajalakshmi, Ms.B.Tharaniga, Ms.D.Dhanushya – III year students have discussed about "Vehicle Number Plate Detection". In this project mainly proposes a plate localization and extraction technique from vehicle number plates. Firstly extraction of plate location, then separation of the plate characters individually by performing different pre-image processing techniques and segmentation, finally the segmented numbers is correlated with the standard templates in the library. The Segmented characters are identified by using Template Matching Method. The suggested method is tested with various types of vehicles like four wheelers and with yellow and white background. The number plates with additional unnecessary data are also segmented with great accuracy

Finally, mentors Mrs.S.Sudha, Mr.S.Jerald John James, Dr.R.Meera, Dr.A. Backia Abinaya and Mr.G.Deepak Kumaran 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:

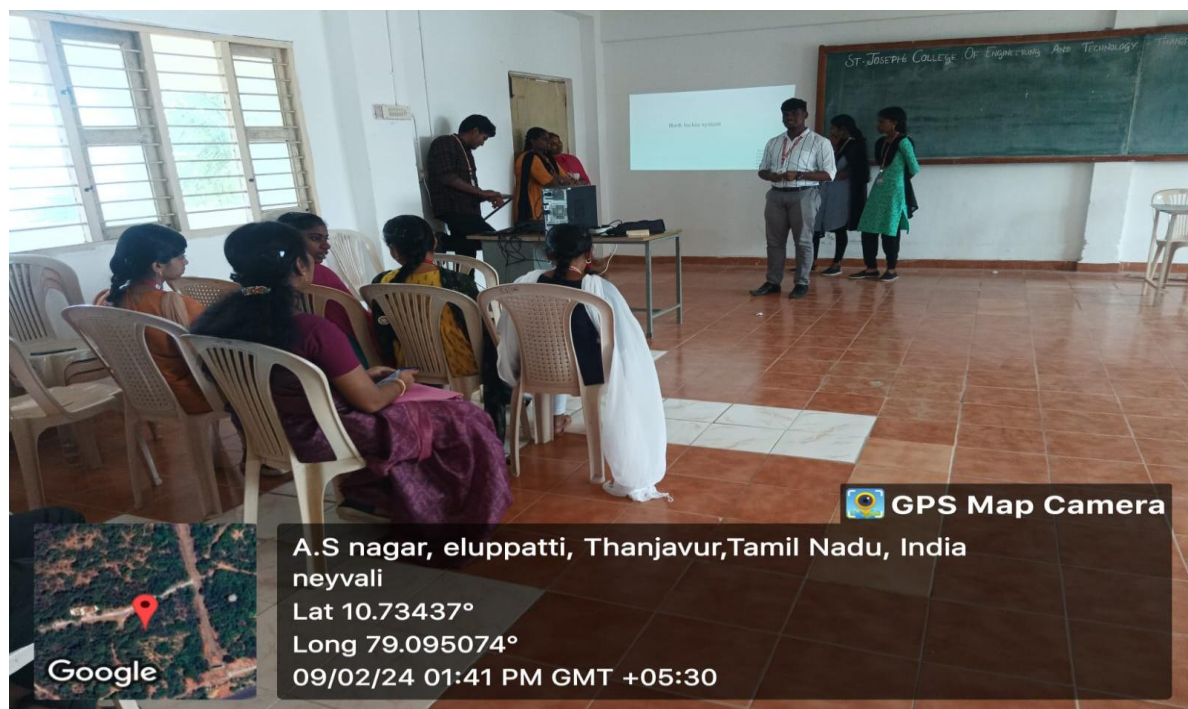Figure 1: III year students Mr. J.Augustin Raj, Ms.S.Axcilien Jenifer, Ms.R.Desika, Ms.A.Helan, Ms.D.Akalya presented about Bank Locker System by using Embedded

Figure 2: III year Ms. P.Vinojasmine, Ms. K.J.Bhuvaneshwari, Ms. S.A.Gajalakshmi, Ms.B.Tharaniga, Ms.D.Dhanushya, presented about Vehicle Number Plate Detection.

SSP COORDINATOR   HOD   IQAC COORDINATOR   PRINCIPAL