



KINGS
COLLEGE OF ENGINEERING
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Approved by AICTE, New Delhi.
Affiliated to Anna University, Chennai.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2023-24(EVEN SEM)

IEEE STUDENT BRANCH STB 16621- JUNE, 2023

INTERNAL STAFF TECHNICAL SEMINAR

16.04.2024

Summary of the seminar:

Department of Electronics and Communication Engineering in association with IEEE student branch (16621) organized an Internal staff technical Seminar on **13.04.2024**.

The main objective of this internal staff technical seminar is to:

- Provide a platform and to get exposure in the recent trends of Electronics and Communication Engineering.
- Improve the performance of all the Staff members at all levels.
- Identify the persons in the department with the required potential and prepare them for higher positions in future.
- Prevent stagnation of faculty by exposing them to the latest concepts and techniques in their respective areas of specialization.

Mr.N.Mangaiyarkarasi, HOD/ECE welcomed the gatherings. **Mr.R.Thandayathapani**, Assistant Professor/ECE delivered a lecture in the topic of **“Solutions of Soil Moisture Sensing with RFID for Landslide Monitoring”**.

Online Journal Paper Referred:

Sérgio Francisco Pichorim , Nathan J. Gomes , John C. Batchelor, "Two Solutions of Soil Moisture Sensing with RFID for Landslide Monitoring," in sensors journal, vol. 18, 2018, doi:10.3390/s18020452

Aim and the themes discussed:

- This seminar revolves around leveraging **advanced sensing technologies (RFID)** to address **geological and environmental challenges** like landslides.
- This seminar Integrating **RFID-based sensors** with soil moisture monitoring for **proactive disaster management**.

Outcome:

- Attendees may gained knowledge how integrating RFID with IoT can provide real-time monitoring and alerts for early landslide prediction.

- The seminar will inspire researchers and engineers to explore innovative solutions combining RFID technology with other sensing systems for natural disaster mitigation.
- Overall the seminar was helpful for the future researchers, who have the interest to work and make advancements in the field to gain insight into the topic.



Mr.R.Thandayathapani , AP/ECE delivering the lecture

A.H → 14/8/24

Staff in charge

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14/8/24

HOD

H.O.D.
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Principal

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