# KPR Institute of Engineering and Technology
## (Autonomous)
### Avinashi Road, Arasur, Coimbatore - 641 407

**LEARN BEYOND**

## Department of Electronics and Communication Engineering
## (Accredited by NBA)

## NEWSLETTER- MAY 2024 ISSUE

# EDITORIAL BOARD

# Vision

To be a center of excellence for education, research and development in the field of Electronics and Communication engineering to meet the growing needs of the society.

# Mission

- ➢ Develop competencies in emerging technologies through skill based education collaborating with industries of repute
- ➢ Provide conducive environment for research and innovation to cater to the needs of the society
- ➢ Inculcate professionalism, ethical values and lifelong learning

# Program Educational Objectives

- PEO1: Apply principles of Electronics and Communication Engineering to provide solutions to the emerging problems in the society.
- PEO2: Embrace technological challenges through skill upgradation or higher education or research.

- PEO3: Exhibit leadership qualities with professional and ethical values

# EVENT ORGANIZED

## Space Awareness and Technology Awareness Training Program

Space Awareness and Technology Awareness Training organized by Indian Space Research Organisation in association with Indian Institute of Information Technology, Sri City. In conclusion, the ISRO START Programme stands as a comprehensive initiative aimed at fostering a deep understanding of space science and technology among students. Through its multifaceted approach, the programme not only imparts foundational knowledge but also hones essential skills necessary for careers in space-related fields. By emphasizing research opportunities and showcasing ongoing ISRO projects, it inspires students to pursue advanced studies and contribute to the future of space exploration. Moreover, the programme's interdisciplinary nature highlights the convergence of various scientific and technological disciplines in the realm of space science, preparing students for the complexities of real-world challenges. With insights into Indian space missions and contributions, the ISRO START Programme not only educates but also instills a sense of national pride and accomplishment. Ultimately, by nurturing a skilled and knowledgeable workforce, it paves the way for India to remain at the forefront of space research and exploration, ensuring a bright future for the nation in the global space community.

## FAREWELL: 2020-2024 BATCH

A farewell ceremony was organized by the student's association "SPARTRANZ" for the outgoing final year students (2020–24 batch) of the Department of Electronics and Communication Engineering Students, KPR Institute of Engineering and Technology, Coimbatore, on April 10, 2019 at 11:00 a.m. in Thanam Hall. All the students were assembled at the venue around 11:00 a.m. The function began with a welcome speech by the head of the department, Dr. M. Karthirvelu, professor and head of the department, Electronics and Communication Engineering. Dr. M. Kathirvelu enlightened the students with his inspirational speech, and he conveyed his best wishes to all the students. Some students delivered their speeches on behalf of the other final-year students at the institute. They expressed their deep love and gratitude towards the teachers for their teaching and mentoring. The year coordinator, Dr. B. Jaishankar, Professor/ECE, also wished the students a bright future and advised them to prepare themselves to serve the nation in the future. Finally, the students were served dessert and main cuisine. The program came to an end at 12:30 p.m. Summing up, the day was great, filled with nostalgia, fun, and excitement!

# FACULTY PUBLICATIONS

➢ Senthilkumar S, A.Basi Reddy, Anna Alphy, Jayaraj Velusamy, **Indra J**, & Manikandan Rajagopal. (2024). Mapping of groundwater availability in dry areas of rural and urban regions in India using IOT assisted Deep Learning Classification Model. Groundwater for Sustainable Development, 25, 101098. https://doi.org/10.1016/j.gsd.2024.101098

➢ Uma Maheswar Si, Anna Alphy, Ganeshkumar Deivasikamani, U. Prakash, **Finney Daniel Shadrach**, M. Ashok Kumar, & S. Manoj. (2024b). Sustainable groundwater development using semi-supervised learning and community-led total forestry and pasture approach. Groundwater for Sustainable Development, 25, 101093. https://doi.org/10.1016/j.gsd.2024.101093

➢ **Suganyadevi S.,** & Seethalakshmi V. (2024). FACNN: Fuzzy-based adaptive convolution neural network for classifying covid-19 in Noisy CXR images. Medical &amp; Biological Engineering &amp; Computing. https://doi.org/10.1007/s11517-024-03107-x

➢ **N.Sathishkumar,** S.Divya, D.R.Rajarathnam, Parimala Gandhi Ayyavu, & P. Radhakrishnan. (2024). Design of asymmetrically loaded dual band antenna for ISM band applications. SN Computer Science, 5(5). https://doi.org/10.1007/s42979-024-02910-5

➢ **N.Sathishkumar,** Rajesh Natarajan, D. Divya, & S. Divya. (2024). A broadband dual-polarized antenna for 5G Wireless Communication Systems. Results in Optics, 15, 100659. https://doi.org/10.1016/j.rio.2024.100659

# FACULTY AS A RESOURCE PERSON

➤ Dr.M.Kathirvelu, Professor & Head, Department of ECE, KPR Institute of Engineering and Technology as a Resource person for the seminar on "**Micro Analysis of NIRF Ranking Metrics**" organized by KSRIET on 15/05/2024.

# FACULTY PARTICIPATION

| Name of the Faculty | Title of FDP/STTP/OFDP/ Conference/Online Course | Organization Name | Start Date | End Date |
|---|---|---|---|---|
| Dr. J. Muralidharan | NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME | Malaviya Mission Teacher Training Programme (University of Kerala) | 16/05/2024 | 28/05/2024 |
| Dr. D. Venugopal | WORKSHOP ON OBE AND NBA FRAMEWORK | IISc | 20/05/2024 | 24/05/2024 |
| Dr. J Indra | 3RD IEEE INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE FOR INTERNET OF THINGS (AIIOT 2024) | Vellore Institute of Technology | 03/05/2024 | 04/05/2024 |
| Mr. S. Balamurali | 3RD IEEE INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE FOR INTERNET OF THINGS" | Vellore Institute of Technology | 03/05/2024 | 04/05/2024 |
| Dr. J. Muralidharan | ISTE ANNUAL FACULTY CONVENTION | Indian Society for Technical Education (ISTE) | 04/05/2024 | - |