



KPR Institute of Engineering
and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407

Department of Electronics and Communication Engineering
(Accredited by NBA)

NEWSLETTER- APRIL 2024 ISSUE



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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

WEBINAR ON ENTREPRENEURSHIP SKILLS FOR YOUNG START-UPS

The participants gained valuable insights into the entrepreneurial mindset, including the ability to identify opportunities, take calculated risks, and persist in the face of challenges. They also acquired practical skills in business planning, market research, financial management, and marketing strategies necessary for launching and growing successful ventures. Additionally, they expanded their professional network by connecting with fellow entrepreneurs, industry experts, mentors, investors, and potential collaborators. The event helped them develop confidence and resilience to overcome obstacles and setbacks encountered on their entrepreneurial journey, embracing failure as a stepping stone to success. They explored innovative ideas, emerging trends, and disruptive technologies shaping the future of entrepreneurship and business innovation. Participants gained exposure to funding opportunities, incubators, accelerators, and support services available to entrepreneurs, empowering them to access resources and support to scale their ventures. They cultivated an entrepreneurial mindset characterized by creativity, adaptability, resourcefulness, and a commitment to continuous learning and self-improvement. Equipped with this knowledge, they took actionable steps toward turning their ideas into viable businesses, leveraging the skills and inspiration gained from the event to kickstart their entrepreneurial endeavors. Furthermore, they contributed to building a dynamic and inclusive entrepreneurial ecosystem within their communities, fostering collaboration, diversity, and innovation to drive sustainable economic growth and societal impact.

The poster features a green and white color scheme. At the top left, it displays the KPR Institute of Engineering and Technology logo with the tagline 'Learn Beyond' and 'Autonomous, NAAC "A"'. To the right is the Department of Electronics and Communication Engineering logo. The central text reads 'WEBINAR ON' followed by 'Topic : Entrepreneurship skills for young start-ups'. Below this, a dark blue banner contains the date '26 Apr 2024', time '10.00 AM - 11.00 AM', and location 'D-108 ECE Block'. On the right side, a circular portrait of Mr. Satheesh Kumar S is shown, with his title 'Assistant Professor (Sr.G.), ECE, KPRIET.' listed below. At the bottom right, a box identifies the 'Coordinator' as 'Dr. Muralidharn J, Associate Professor, ECE, KPRIET'.

KPR Institute of Engineering and Technology
Learn Beyond
(Autonomous, NAAC "A")

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Mr. Satheesh Kumar S,
Assistant Professor (Sr.G.),
ECE, KPRIET.

WEBINAR ON

Topic :
Entrepreneurship skills for young start-ups

26 Apr 2024
10.00 AM - 11.00 AM
D-108 ECE Block

Coordinator
Dr. Muralidharn J,
Associate Professor, ECE,
KPRIET



FACULTY PUBLICATIONS

- S.Sheik Faritha Begum, M. Suresh Anand, P.V.Pramila, **J.Indra**, J.Samson Isaac, Chockalingam Alagappan, Amara S.A.L.G. Gopala Gupta, Suraj Srivastava, & R.G.Vidhya. (2024). Optimized machine learning algorithm for thyroid tumour type classification: A hybrid approach random forest, and intelligent optimization algorithms. *Journal of Intelligent & Fuzzy Systems*, 1–12. <https://doi.org/10.3233/jifs-239804>.
- G.Saranya, N.M.Sivamangai, J.Ajayan, S.Sreejith, & **S.Nithya**. (2024). Semi-classical physics based model in Algan/BGAN based ultraviolet led with P-Algan layer sandwiched around electron-blocking layer for droop-free efficiency. *Micro and Nanostructures*, 188, 207772. <https://doi.org/10.1016/j.micrna.2024.207772>.
- **S Suganyadevi**, A Shiny Pershiya, K Balasamy, V Seethalakshmi, Saroj Bala, Kumud Arora. (2024). Deep Learning Based Alzheimer Disease Diagnosis: A Comprehensive Review. *SN COMPUT. SCI.* 5, 391 <https://doi.org/10.1007/s42979-024-02743-2>
- **S. Suganyadevi** and D. Shamia and R. Arun Sekar and R. Deepa. (2024). Automated diagnosis of disease in grape leaves using deep neural networks. Academic Press, pages 257-277, isbn 978-0-443-13185-1. <https://doi.org/10.1016/B978-0-443-13185-1.00014-9>
- P.Punitha, Lakshmana Kumar, S.Revathi, R.Premalatha, & **R.S.Aiswarya**. (2024). Secured framework with a hash function-enabled keyword search in cloud storage services. *International Journal of Cooperative Information Systems*. <https://doi.org/10.1142/s021884302450001>

- Bibhatsu Kuri, Alope Kumar Pathak, Amlan Das, Binoy Das, **Vigneswaran Dhasarathan**, & Ardhendu Sekhar Patra. (2024). Nano-engineered HFO₂-Au photonic sensor for ultra-sensitive refractive index detection. Results in Physics, 60, 107639. <https://doi.org/10.1016/j.rinp.2024.107639>.

FACULTY AS A RESOURCE PERSON

- Dr.J.Muralidharan , Associate Professor Department of ECE,KPR Institute of Engineering and Technology as a Resource person for the Conference “IEEE INTERNATIONAL CONFERENCE ON COGNITIVE ROBOTICS AND INTELLIGENT SYSTEMS (ICC-ROBINS 2024) ” organized by KPRIET on 17/04/2024 to 19/04/2024.
- Dr.J.Indra, Professor Department of ECE, KPR Institute of Engineering and Technology as a Resource person for the conference “IEEE INTERNATIONAL CONFERENCE ON COGNITIVE ROBOTICS AND INTELLIGENT SYSTEMS (ICC-ROBINS 2024)” organized by KPRIET on 17/04/2024 to 18/04/2024.
- Dr.K. Kalirajan, Professor Department of ECE, KPR Institute of Engineering and Technology as a Resource person for the DC Meeting organized by Avinashilingam Institute for Home Science and Higher Education for Women on 02.04.2024.
- Dr.J.Indra, Professor Department of ECE, KPR Institute of Engineering and Technology as a Resource person for the conference “4 TH INTERNATIONAL CONFERENCE ON NANOELECTRONICS, MACHINE LEARNING, INTERNET OF THINGS & COMPUTING SYSTEMS (NMIC-2024) ” organized by Indian Society for VLSI Education on 13.04.2024 to 14.04.2024.

PATENT DETAILS

S.No	Application Number	Title of the Patent	Name of the inventor	Date of published
1.	202441024762 A	SMART RESISTANCE COLOR CODING DETECTOR	1)Dr.K.S.Tamilselvan 2)Dr. M. Karthirvelu 3)Dr. S.M. Ramesh 4)Ms. N.P. Dharani 5)Ms. R.Jagadeeswari 6)Ms. Madhumita T S 7)Ms. Divyadharshini P 8)Ms. Hemavarshini	05.04.2024
2.	202441024582 A	SENSOR BASED AUTOMATIC COIL ENAMEL REMOVER	1)Dr.K.S.Tamilselvan 2)Dr.J.Indra 3)Dr.J.Muralidharan 4)Ms. R.Jagadeeswari 5)Mr. Jakir Hussain G K 6)Mr.Harshathkumar M 7)Mr.Gowtham.R 8)Ms.Akshitha Poovezhil.R 9)Ms. Deepthi C V 10)Ms. Harshini R	05.04.2024

FACULTY PARTICIPATION

Name of the Faculty	Title of FDP/STTP/OFDP/Conference/Online Course	Organization Name	Start Date	End Date
Dr. K. Kalirajan	NPTEL	IIT Guwahati	Jan to April 2024	
Ms. M. D.Saranya	Presentation	Karunya Institute of Technology	23/04/2024	24/04/2024
Dr. J. Indra	FDP	IQAC, Gauhati University	17/04/2024	24/04/2024
Ms. M. D.Saranya	Presentation	Jeppiaar Engineering College	04/04/2024	05/04/2024

Mr. G.K. Jakir Hussain	Conference	Stamford International University	16/04/2024	17/04/2024
Dr. J.Indra	Presentation	AICTE and Ministry of Education's Innovation cell	29/04/2024	03/05/2024

STUDENT PARTICIPATION

S.No	Event Name	No of students participated
1	Online course	17
2	Workshop	-
3	Contest (Quiz, Coding Contest, club events, etc.)	21
4	Paper presentation	14
5	Internship	
6	Project Presentation	11
7	NSS, YRC activities	-

STUDENT ACHIEVEMENT

S.No	Name of the Student	Year	Title of the Event	Organized by (Name of College and Club)
1.	Madavan S	IV ECE B	Drone Racing – 1 st Prize	MECHNOTRON'24 – Coimbatore Institute of Technology – 26.04.2024
2.	Lalith K	IV ECE B	Drone Racing – 2 nd Prize	MECHNOTRON'24 – Coimbatore Institute of Technology – 26.04.2024
3.	Akil Krishna	II ECE A	Drone Racing – 3 rd Prize	MECHNOTRON'24 – Coimbatore Institute of Technology – 26.04.2024

FACULTY ACHIEVEMENT

Mr. Jakir Hussain G K has been awarded a Commendation Certificate from The Institution of Green Engineers (IGEN) in recognition of his special contributions. This prestigious award is acknowledging his commitment and innovative efforts in the field of green engineering.

