



KPR Institute of Engineering
and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407



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

NEWSLETTER - SEPTEMBER 2022 ISSUE



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➤ **Vision**

To be a department of repute for learning and research with state-of-the-art facilities to enable the students to succeed in globally competitive environment

➤ **Mission**

- To impart knowledge and skill based education with competent faculty striving for academic excellence
- To instill research centres in the field that industry needs, by collaborating with organizations of repute
- To provide ethical and value based education by promoting activities addressing the societal needs and facilitates lifelong learning

➤ **Programme Educational Objectives**

- **PEO 1:** Graduates will possess an adequate knowledge and have successful technical career in Electronics and Communication Engineering or related fields
- **PEO 2:** Graduates will possess leadership qualities and demonstrate professional and ethical values
- **PEO 3:** Graduates will continue their life-long professional development through higher education or entrepreneurship

EVENT ORGANISED

- This event was a photography competition. The participants should take a picture of the components given innovatively without using their creativity. The one with the most creative design will be ensured as the winner. This event was conducted on 10/09/2022 at 10:30 am. This event was successfully coordinated and done by IETE council of KPRIET. The winners of the event were rewarded with a cash prize respectively.



- This is a team event which was based on connecting the technical topics with their respective explanations which are been hidden in a place. The participants must find the correct match for the question they are given with by matching them. The team which found the correct match of the question within the respective time is regarded as the winner for the event. The winners for the event is awarded with cash token respectively. The event was conducted on 10/09/2022 at 12:00pm . The event was successfully coordinated and conducted by the IETE council of KPRIET.



- This was a combined event organised by the IETE council of KPRIET. Group discussion and technical connections were conducted by the committee. Group discussion was based on the technical topics benefits and their losses and technical connection were also based on the images which have to be matched in regards of the answer. The difficulty level was increased for each level of the event .The connected images will lead to the correspondent answer of the question . The event was conducted on 03/09/2022 from 10:30 am to 12:30pm.



- Alumni Induction for 2021 batch was organized on 24.09.2022. 90 students along with their parents participated in alumni induction. Dr.M.Kathirvelu, HoD/ECE delivered welcome address for the induction program. Department Vision, mission and PEO was disseminated. The event started with cultural and fun games. Few of the alumni have shared their college memories and also insisted juniors to upskill themselves to get good job. All the events were successfully organized by the students. Deepakraj of IV ECE delivered vote of thanks. Alumni have given good feedback about alumni induction program.



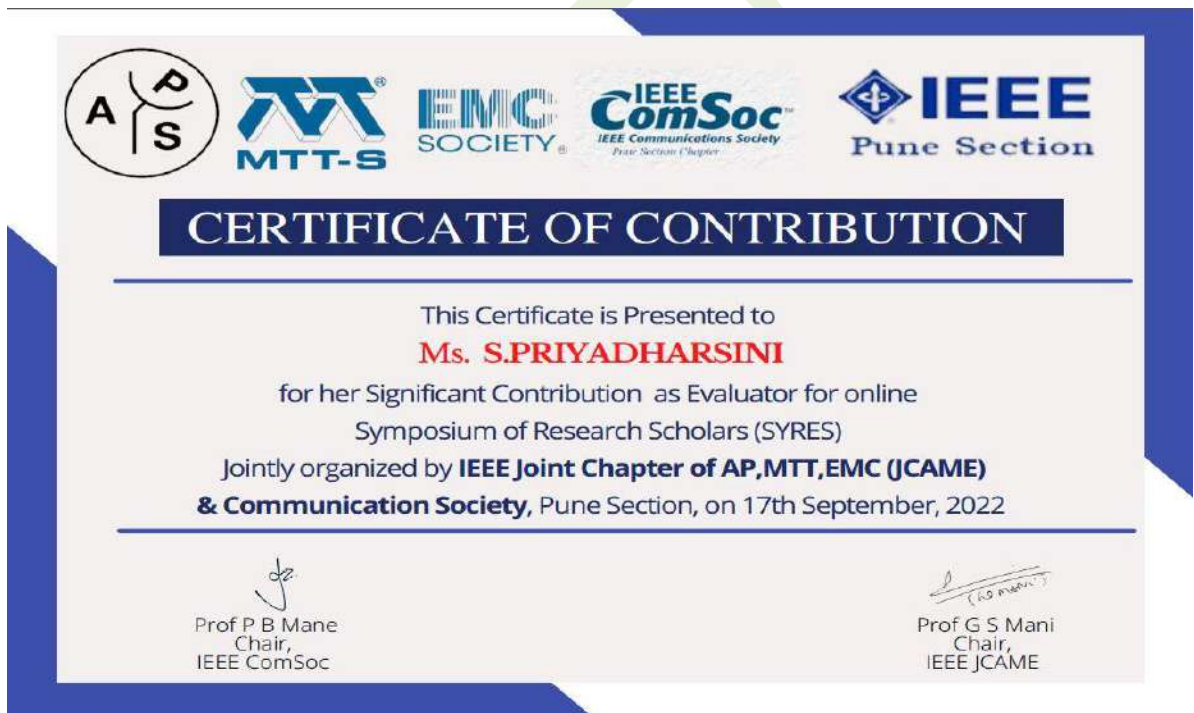
FACULTY PUBLICATIONS

- **Jaikumar, R.**, Mukunthan, M. A., Arvind, C., Lavanya, R., & Srihari, K. (2022). A low complexity spatial mapping assisted companding scheme (SMaCS) for PAPR minimization in OFDM systems. National Academy Science Letters. <https://doi.org/10.1007/s40009-022-01158-y>
- K Balasamy , M Balakrishnan, **S Suganyadevi** , N Krishnaraj “Prediction of Cardiac Disease by the use of Methods from MachineLearning , Indian Journal of Natural Science, Vol.13, Issue-73 pp.47264-47270, ISSN:0976-0997, September 22. (WoS).
- Vajravelu, A., Selvan, **K. S. Tamilselvan**, M. M., Anitha, J., & Diez, I. de. (2022). Machine learning techniques to detect bleeding frame and area in wireless capsule endoscopy video. Journal of Intelligent & Fuzzy Systems, 1–12. <https://doi.org/10.3233/jifs-213099>
- M.Kasiselvanathan, J Dhanasekar, **J Prasad**, “Classification and Analysis of Fake Product Review using Ai”, TELEMATIQUE, Vol : 21, Issue : 1, PP:4970-4977, ISSN :1856-4194,September 2022 (WoS)
- Sivasubramanian, M., Vignesh, J., Senthil kumar, V., Sumathi, S., Sathish, R., Parasuraman, K., Kumar, B. S., **Kathirvelu, M.**, Bojaraj, L., K, S., & Sbhat, N. T. (2022). An innovative solution for

battery draining in 5G devices using alternate routing model. International Transactions on Electrical Energy Systems, 2022, 1–8. <https://doi.org/10.1155/2022/8924801>

FACULTY AS RESOURCE SPEAKER

- Ms.S.Priyadharsini, Assistant Professor (Sr.G) , Department of ECE, KPR Institute of Engineering and Technology as Evaluator , organised by IEEE Joint Chapter of AP,MTT & Communication Society,Pune Section on 17-10-2022.



FACULTY PARTICIPATION

Name of the Faculty	Title of FDP/STTP/OFDP/Conference	Organization Name	Start Date	End Date
Ms.S.Suganyadevi	Smart Healthcare in IoT using convolutional based cyber physical system	Second Edition of IEEE Mysore Subsection Flagship International	9/28/2022	9/28/2022

		Conference- MysuruCon-2022 in association with IEEE Bangalore Section during 16-17 October 2022 at JSS Science and Technology University (SJCE), Mysuru		
Dr.Vasimbabu	SWARM INTELLIGENCE BASED CLUSTERING AND ROUTING USING AISFOA-NGWO FOR WSN	3rd Congress on Intelligent Systems (CIS 2022)	9/5/2022	9/5/2022
Dr.K.Kalirajan	A Survey of Medical Image Processing and its Applications	IEEE Conference	9/21/2022	9/21/2022
Dr. M. Kathirvelu	ICT Tools for Teaching Learning Pedagogy	GMR Institute of Technology, Andhrapradesh	8/23/2022	8/27/2022
Dr.J.Prasad	AI & ML in next generation Communication Technologies	Organized by E&ICT Academy, NIT Warangal and Vel Tech Rangarajan Dr.Sagunthala R & D Institute of Science and Technologies	7/27/2022	8/4/2022
Dr.D.Selva kumar	Amazon Web Services	Organized by E&ICT Academy, NIT Warangal and Vel Tech Rangarajan Dr.Sagunthala R & D Institute of Science and Technologies	8/22/2022	8/27/2022

PATENT DETAILS

S.No	Application Number	Title of the paper	Name of the inventor	Date of published
1	202241047165 A	A block chain based artificial IoT data acquisition in Edge computing environment	1. Dr.R.Arunsekar,KPRIET, 2. Dr.J.Prasad,KPRIET 3. Mr.K.Saravanan,KPRIET. 4. Mr.G.K.Jakir Hussain,KPRIET 5. Dr.M.Vasimbabu,KPRIET 6. Dr.R.Jaikumar,KPRIET 7. Dr.R.Gurumoorthy,KPRIET 8. Mr.G.Pradeepkumar,KPRIET 9. Mr.T.Shanmugaraja,KPRIET 10. Mr.R.Balamuruges, Silicon System	16.09.2022

STUDENT ACHIEVEMENT

S.No	Name of the Student	Year	Title of the Event	Organized by (Name of College and Club)	Prize - Merit Position
1	Siddarth S	II-Year	Poster Presentation Competition	Chandigarh Engineering College, Landran, Mohali, Punjab.	Third Prize
2	Sushmitha R	II-Year	Poster Presentation Competition	Chandigarh Engineering College, Landran, Mohali, Punjab.	Third Prize
3	Yeashwanth Balaji	II-Year	Poster Presentation Competition	Chandigarh Engineering College, Landran, Mohali, Punjab.	Third Prize
4	Amudan R T	III-Year	Project contest	Vellore Institute of Technology (VIT, Chennai)	Second Prize (4000 Cash Prize)
5	Levin Joseph Raj A	III-Year	Project contest	Rigathon'22, Kumaraguru College of Technology, Coimbatore	Best Contributor

6	Lalith K	III-Year	Project contest	Rigathon'22, Kumaraguru College of Technology, Coimbatore	Best Contributor
7	KISHORE A	III-Year	Project contest	Rigathon'22, Kumaraguru College of Technology, Coimbatore	Best Contributor
8	MADHAVAN S	III-Year	Project contest	Rigathon'22, Kumaraguru College of Technology, Coimbatore	Winner
9	Udhayadharanis h B	II-Year	Project contest	Rigathon'22, Kumaraguru College of Technology, Coimbatore	Winner
10	R. Abimanyu	I-Year	Sports	4th Tamil Nadu State Kudo Tournament 2022-2023	First Prize
11	Lalith K	III-Year	Project contest	Vellore Institute of Technology (VIT, Chennai)	Second Prize (4000 Cash Prize)
12	Madhavan	III-Year	Project contest	Vellore Institute of Technology (VIT, Chennai)	Second Prize (4000 Cash Prize)
13	R.Arthi	II-Year	NCC Event (Rifle shooting)	Gobichettipalayam Rifle Club Association	First Prize (Gold medal)
14	Siddarth S	II-Year	4 th International Conference on Innovation in communication computing and sciences (ICCS 2022)-	Chandigarh College of Engineering, Landran, Mohali, Punjab.	3 rd place in poster presentation
15	Sushmitha R	II-Year	4 th International Conference on Innovation in communication computing and sciences (ICCS 2022)-	Chandigarh College of Engineering, Landran, Mohali, Punjab.	3 rd place in poster presentation

16	Yeashwanth Balaji	II- Year	4 th International Conference on Innovation in communication computing and sciences (ICCS 2022)-	Chandigarh College of Engineering, Landran, Mohali, Punjab.	3 rd place in poster presentation
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PLACEMENT DETAILS 01.09.2022 to 30.09.2022

S.No	Name of the Student	Name of the Company
1	Rohit N	Value Momentum
2	Kavin Kumar	Value Momentum
3	Vasanth V	Value Momentum

Total Number of students Placed:96

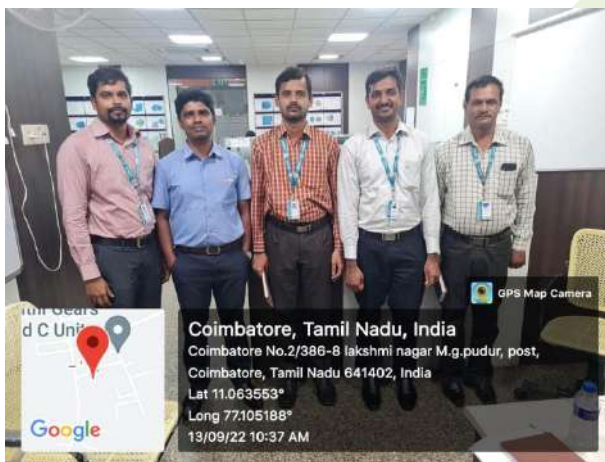
Total Number of Offers : 122

Total Number of Companies Visited:17

IIPC ACTIVITIES

INDUSTRY VISITS

- Dr.K.S.Tamilselvan, Mr.G.K.Jakir Hussain visited Venbro Polymers on 19/09/2022 and discussed about consultancy projects.
- Dr.K.S.Tamilselvan visited Aishwarya Enterprises on 28/09/2022 and discussed about internship opportunities.
- Dr.K.S.Tamilselvan visited Thumba Agro Technologies, Palani on 22/09/2022 and discussed about consultancy projects
- Mr.T.Jagadesh and Dr.K.S.Tamilselvan visited Fulfill Electric Corporation on 16/09/2022 and discussed about PCB consultancy projects
- Mr.T.Jagadesh and Mr.G.K.Jakir Hussain visited Shanthy Gears Limited on 13/09/2022 and discussed about consultancy projects
- Dr.R.Arun Sekar and Dr.R.Jaikumar visited Infiniti Automation and Vtronics Automation on 10/09/2022 and discussed about R&D, Consultancy projects.



CONSULTANCY ACTIVITIES

- Dr.J.Prasad generated revenue of Rs.85200 for development of drone to Reliable Technosystems India Pvt. Ltd.
- Dr.S.Finney Daniel and team generated revenue of Rs.1180 towards PCB fabrication.

GUEST LECTURE

- Organized a guest lecture on “Recent Trends in Automotive Electronics” on 30/07/2022 at Thanam Hall with resource person Mr.M.P.Manickarajan, Senior Electrical Performance Engineer, Volvo Cars, Sweden.

The poster is for a guest lecture titled "Recent Trends in Automotive Electronics" organized by KPR Institute of Engineering and Technology in association with IIPC. The resource person is Mr. M.P. Manickarajan, Senior Electrical Performance Engineer at Volvo Cars, Sweden. The event is held at Thanam Hall on 30.07.2022 from 03.00 PM to 04.00 PM. The poster includes logos for KPR Institute of Engineering and Technology, Department of Electronics and Communication Engineering, and IIPC. It also mentions accreditation by NBA and the presence of an Industry Institute Partnership Cell.

KPR Institute of Engineering and Technology
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Department of Electronics and Communication Engineering
Accredited by NBA

Great Place to Work Certified

In association with IIPC
Organizes a Guest Lecture on
Recent Trends in Automotive Electronics

Resource Person

Mr. M.P. Manickarajan,
Senior Electrical Performance Engineer
Volvo Cars, Sweden

Convener
Dr. M. Kathirvelu,
Professor & Head/ECE

Coordinators
Dr. B. Jaishankar, AsP/ECE
Mr. T. Jagadesh, AP(Sr.G)/ECE

INDUSTRY INSTITUTE PARTNERSHIP CELL

30.07.2022
03.00 PM to 04.00 PM

Thanam Hall

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