



KPR Institute of Engineering
and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407



Department of Electronics and Communication Engineering
(Accredited by NBA)

NEWSLETTER- APRIL 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

ANNUAL DAY 2022

BEST DEPARTMENT AWARD

The department of ECE was conferred as best department for the academic year 2021-2022. Faculty and students achievements, conference and journal publication done by faculty and students, NPTEL, NITTT and other MOOC courses done by students and faculty, end semester results, grants received for organizing seminars and faculty development programs were considered for best department award.



AWARDS RECEIVED IN ANNUAL DAY

- **Best overall outgoing student award was received by Mr.E.Karthikeyan of final year ECE.**



- **Best outgoing student of ECE department was awarded to Ms.A.Jayavarshini of final year.**



S.No	Student Name	Year	Name of the Award
1	Ms.S.A.Anuvamsa	III	Best student volunteer in social/community award
2	Ms.N.Anupriya	IV	Academic topper award
3	Ms.A.Jayavarshini	IV	Academic topper award
4	Ms.R.Sruthi	III	Academic topper award
5	Ms.P.Vaishnavi	III	Academic topper award
6	Mr.P.Namadeep	II	Academic topper award
7	Ms.S.Indhumathi	II	Academic topper award
8	Ms.R S.Aiswarya	II M.E VLSI Design	Academic topper award
9	Mr.T.Amuthan, Mr.G.Anandhan, Mr.S.Madhavan & Mr.K.Lalith	II	Won 5th position in e-Yantra e-YRC 2021-2022 in international robotics Competition organized by IIT Bombay
10	Mr.T.Amuthan, Mr.G.Anandhan, Mr.S.Madhavan & Mr.K.Lalith	II	Won first prize for drone racing (Robovanza) at Chaithanya Bharathi Institute of Technology, Hyderabad
11	Mr.P.R.Varun	II	Won first prize in AXIS annual technical fest conducted by NIT Nagpur
12	Mr.S.Dhilipan	III	Best library usage award
13	MR.B.Sudharsan Siva Surya	II	Best library usage award
14	Dr.V.Seethalakshmi,AsP & Dr.K.Kalirajan,AsP	-	Appreciation for grants received from AICTE-AQIS
15	Dr.D.Venugopal,Professor	-	Appreciation for grants received from AICTE
16	Dr.M.Kathirvelu, Professor & Head, Dr.J.Muralidharan, AsP & Mr.S.SatheeshKumar,AP(Sr.G)	-	Appreciation for grants received from AICTE
17	Dr.M.Kalamani,AsP & Mr.G.Pradeep Kumar,AP(Sr.G)	-	Appreciation for grants received from AICTE
18	Dr.D.Venugopal,Professor & Ms.A.Reethika, AP	-	Appreciation for grants received from DRDO
19	Mr.S.P.Cowsigan AP(Sr.G)	-	Appreciation for grants received from TNSCST
20	Mr.T.Jagadesh, AP(Sr.G)	-	Appreciation for grants received from TNSCST
21	Mr.T.Venkatesh,AP(Sr.G) & Ms.S.Chandraprabha,AP	-	Appreciation for funds received from ISTE
22	Mr.G.Pradeep Kumar,AP(Sr.G)	-	Nptel topper award
23	Mr.S.P.Cowsigan, AP(Sr.G)	-	Nptel topper award
24	Dr.B.Jaishankar, AsP	-	Best researcher award

AWARDS RECEIVED IN SPORTS DAY

S.No	Student Name	Name of the Award
1	Dr.M.Kathirvelu, Professor& Head	First Prize (Single) in Shuttlecock
2	Dr.M.Kathirvelu, Professor& Head	First Prize (Double) in Shuttlecock
3	Mr. E. Nandha Kumar, Junior Assistant	First Prize in Carromboard

EVENT ORGANISED

- Mr.T.Jayachandran, Assistant Professor, Department of ECE, Nandha Engineering College, Erode was the chief guest for a webinar on “Strategies for copyright management of learning resources”. Mr.S.Satheesh Kumar, Assistant Professor (Sr.Grade) and Department Coordinator-CIIED proposed the presidential address and welcomed the guest. He addressed all the streams of engineering students of KPRIET and more than 120 members had participated in this event. The objective of this webinar was to give knowledge about various laws that protect owners of IP, mostly in the form of patents, copyrights, and trademarks. He explained very lucidly the concept of Intellectual Property Rights. He highlighted the legal rights that provide creators protection for original work, invention, artistic work, scientific development and so on. Mr.T.Jayachandran during his deliberation shared that IPR have to be renewed from time to time for keeping them enforced except in case of copyright and trade secrets. He clarified all the doubts which has been interrogated by all the young entrepreneurs of KPRIET.


KPR Institute of Engineering and Technology
Learn Beyond | Addressess, NAAC 'A'


INSTITUTION'S INNOVATION COUNCIL
Member of IIT System

Centre for Innovation, Incubation and Entrepreneurship Development (CIIED)
 in association with
Department of Electronics and Communication Engineering (ECE)
 organizes
Webinar on
"Strategies for copyright management of learning resources"


Resource Person:
Mr. T. Jayachandran
 Assistant Professor
 Nandha Engineering College
 Erode

 **12/04/2022**
 <https://meet.google.com/xgw-avwd-oiu>

 **03:00 PM - 04:00 pm**

Coordinator:
 Mr. S. Satheesh Kumar
 Assistant Professor (Sr. Grade), ECE, KPRIET

Convenors:
 Dr. S. Ramachandran - Professor & Head- CIIED, KPRIET
 Dr. M. Kathirvelu - Professor & Head- ECE, KPRIET

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- Department of ECE in association with Office of Alumni Relations (OAR) organized a Alumni Lecture series - 9 on “Opportunities in Core Industries ” on 23.04.2022 from 11:30 am to 12:30 pm. Mr.K.Vishnusaravanabharathi (AP/ECE) welcomed the gathering and introduced the guest speaker. The resource person was Mr.R.Kowshik kumaran, QA Engineer, VVDN Technologies. He discussed about core industry placement opportunities. He also discussed about the path to Quality Assurance in Industry. Students were interactive throughout the entire session and they gave good feedback. Resource person clarified all the doubts of the students.



- The department of ECE in association with KPR Medical Centre organized a webinar on Women's health & What should she know?. The webinar was conducted on 23.04.2022. Dr. D. Uthra Priyadharshini, M.B.B.S., M.S.(Obs & Gyn), Fellowship in Reproductive Medicine, Obstetrician Gynaecologist & Fertility Consultant, Rao Hospital, Coimbatore was invited to give awareness about women's menstrual and hygiene, women wellbeing, diet and cancer. She gave insights about, the menstruation and reproductive cycle. However, in most parts of the world, it remains a taboo and is rarely talked about. Girls and women need to maintain good menstrual hygiene to uphold their health and dignity. She explained the same in very simplistic terms. During the program, she told about the science behind menstruation and the myths surrounding it. It helped in sensitizing them on various complications arising out of lack of menstrual hygiene. She also explained in detail about various types of cancer related to women in addition to this gave awareness about the cervical cancer vaccination. In the end, a question-answer session was also conducted.



- Department of Electronics and Communication Engineering and students association "SPARTRANZ" organized a "Technical debate and logo design contest" on 23.04.2022, from 11.00AM to 12.30 PM. 30 participants from various sections have participated in the contest. Participants are divided into 6 teams and every team comprises of 5 members. Technical debate was conducted in 3 phases, 10 minutes for every phase and 2 teams will be exhibiting their point in the debate and jurors concluded at end of every phase. Finally jurors selected two best debate team as winners.



FACULTY PUBLICATIONS

- Dr.J.Indra, D Banumathy, Osamah Ibrahim Khalaf, Carlos Andres Tavera Romero, Dilipkumar Sharma, "CAD of BCD from Thermal Mammogram Images Using Machine Learning", Intelligent Automation & Soft Computing, ISSN:1079-8587, April 2022. (SCIE)
- Dr.K.Murugan, G DhivyaMohanapriya, M Karthikeyan, "Incremental Linear Discriminant Analysis Dimensionality Reduction and 3D Dynamic Hierarchical Clustering WSNs", Computer Systems Science & Engineering, ISSN: 0267-6192, April 2022. (SCI)
- Dr.D.Venugopal, "Pattern Recognition of Modulation Signal Classification Using Deep Neural Networks", Computer Systems Science & Engineering ISSN: 0267-6192, April 2022. (SCI)
- Mr.T.Venkatesh, T RekhaChakravarthi, "Efficient addressing schemes for IoT", International Journal of Electrical and Computer Engineering, ISSN:2088-8708, April 2022. (Scopus Indexed).
- Ms.A.Reethika, J Sathish, P Kanagapriya, S.Finney Daniel Shadrach, S Kanivarshini, "Diabetic Retinopathy Detection Using Statistical Features", 2nd International Conference on Innovative Practices in Technology and Management (ICIPTM), ISSN: 978-1-6654-6644-8, April 2022. (Scopus Indexed).
- Gunanandhini S, Monisha K, Lishanthini V, KaviyaE, Gokul R, "Smart Parking with surveillance system using IoT", 8th International Conference on Advanced Computing and Communication Systems (ICACCS), April 2022.

- Chandrababha S, “Design of batteries and Estimation of SOC”, IEEE International Conference on Smart Structures and Systems, April 2022.
- Satheesh kumar S, Abhishek A , Deepak Raj R, Gokul SNT, Pradeep pushpanathan, “IoT based Novel Portable Water Quality Monitoring for Micro Industries”, 6th IEEE International Conference on Devices, Circuits and Systems (ICDCS'22), April 2022.
- Pradeep kumar G, Sneha S, Thilakshana A, Vinoth N, Chandrababha S, Dineshkumar Ponnusamy, “Real Time Automatic Vehicle Monitoring System Using IoT”, 2022 8th International Conference on Smart Structures and Systems (ICSSS), April 2022.

FACULTY PATENT PUBLICATIONS

S. No.	Name of the Applicant/Inventor	Title of the Project/Invention	Application No.	Date of Publication	Current Status
1	Mr.D.Ramnivas Mr.S.Satheeshkumar Ms.S.Chandrababha Dr.J.Muralidharan Mr.G.Pradeepkumar Dr.B.Jaishankar Dr.J.Prasad Ms.M.Iswarya Niranjana Ms.M.D.Saranya	A Submarine Drone to Monitor and Digest blocks in pipelines and Drainages	202241020812 A	22.04.2022	Published
2	Ms.S.Gunanandhini Ms.R.Aswatha Ms.M.Bagavathipriya Mr.K.Anand Ms.S.Poovinandhini Mr.MK Prabhu Mr.P.Nithishkumar Mr.P.Namadeep Mr.M.Logesh Mr.V.Niranjana Kumar Ms.D.LakshanaShruthe Mr.V.Lokin Ms.M.Livyashree Ms.SK.Prasanthi	Smart Parking with Surveillance System using IoT	202241020161	22.04.2022	Published

FACULTY AS RESOURCE SPEAKER

- Dr.S.Kirubakaran, Assistant Professor (Sl.G), Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a guest lecture on “Programming with Java” conducted by PSGR Krishnammal College for Women, from 18.04.2022 to 22.04.2022.

- Dr.J.Prasad,Assistant Professor (Sl.G),Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a webinar on "FPGA based digital filter design for biosignal processing" conducted by Vellalar College of Engineering and Technology, on 12-04-2022.

FACULTY PARTICIPATION

Name of the Faculty	Title of FDP/STTP/OFPD	Organization Name	Start Date	End Date
Dr.J.Prasad	NPTEL - Faculty development Programme	NPTEL	23-04-2022	30-04-2022

STUDENT PARTICIPATION

S.No	Event Name	No of students participated
1	Online course	5
2	Project Presentation	19
3	Contest	4
4	Sports	3

STUDENT ACHIEVEMENT

S.No	Name of the Student	Year	Title of the Event	Organized by (Name of College and Club)	Prize - Merit Position
1	Amarnath A	III	Covai's Got talent 2022 - Fashion show	Tips global Institute, Coimbatore	First Prize
2	Amarnath A	III	Corporate Walk	SNS College of Engineering	Second Prize
3	Levin Joseph Raj A	II	Hunt Nova- National Level Robotics Competition	NIT Hamirpur	First Prize
4	Ram kumarS	II	Sate Level Inter Engineering Sports Meet- CIT TROPHY	Coimbatore institute of technology	First Prize

5	Prasad K	II	Sate Level Inter Engineering Sports Meet- CIT TROPHY	Coimbatore institute of technology	First Prize
6	Vijay S	II	Sate Level Inter Engineering Sports Meet- CIT TROPHY	Coimbatore institute of technology	First Prize
7	Yeshwanth Kumar S	II	Innovoscence- Project	KPR Insitute of Engineering and Technology	Second Prize
8	Varun P R	II	Innovoscence- Project	KPR Insitute of Engineering and Technology	Second Prize
9	Rahul G	II	Innovoscence- Project	KPR Insitute of Engineering and Technology	Second Prize
10	Anandhan G	II	Innovoscence- Project	KPR Insitute of Engineering and Technology	First Prize
11	Lalith K	II	Innovoscence- Project	KPR Insitute of Engineering and Technology	First Prize
12	Amudan R T	II	Innovoscence- Project	KPR Insitute of Engineering and Technology	First Prize
13	Madhavan S	II	National Level Project Presentation	Saingits College of Engineering, Kerala	First Prize
14	Amudan R T	II	National Level Project Presentation	Saingits College of Engineering, Kerala	First Prize
15	Anandhan G	II	National Level Project Presentation	Saingits College of Engineering, Kerala	First Prize
16	Varun P R	II	National Level Project Presentation	Saingits College of Engineering, Kerala	First Prize
17	Lalith K	II	National Level Project Presentation	Saingits College of Engineering, Kerala	First Prize

18	Lalith K	II	Robotic predatory bird	Nit, Durgapur	Second Prize
19	Lalith K	II	National Level Paraphrasing	Sant Longowal Institute of Engineering and Technology	First Prize
20	Aswin M	II	National Code Fest	L D College Of Engineering (LDCE), Ahmedabad	Third Prize
21	Amudan R T	II	National Level e-Yantra Robotics Competition	-	5 th Position
22	Anandhan G	II	National Level e-Yantra Robotics Competition	-	5 th Position
23	Lalith K	II	National Level e-Yantra Robotics Competition	-	5 th Position
24	Madhavan S	II	National Level e-Yantra Robotics Competition	-	5 th Position
25	Yeshwanth Kumar	II	National Level Newton Grant Coding Contest	Newton Coding School	Cash Prize
26	Varun P R	II	National Level Event-Axis 22	NIT, Nagpur	First Prize
27	Aswin M	II	National Tech Fest-eLAN 7 nVision	-	Second Prize

PLACEMENT DETAILS 01.04.2022 to 30.04.2022

S.No	Name of the Student	Name of the Company
1	Jawakar A	CES
2	Sruthi R	CES

Total Number of students Placed:53

Total Number of Companies Visited:07

IIPC ACTIVITIES

INDUSTRY VISIT

- Mr.T.Shanmugaraja, Mr.K.Vishnu Saravana Bharathi, Mr.D.RamNivas, Dr.V.Seethalakshmi, Dr.M.Kalamani, Ms.S.Gunanandhini along with 175 students of II year visited Seablue ship yard, Cochin on 01.04.2022.



- Mr.T.Shanmugaraja, Mr.K.Vishnu Saravana Bharathi, Mr.D.RamNivas, Dr.V.Seethalakshmi, Dr.M.Kalamani, Ms.S.Gunanandhini along with 175 students of II year visited KEL, Cochin on 02.04.2022.
- Dr.K.Murugan, Ms.M.Supriya and Dr.J.Prasad along with 103 students from III year visited Leepra technologies, Mysore on 11.04.2022.



- Dr.K.Murugan, Ms.M.Supriya and Dr.J.Prasad along with 103 students from III year visited VarithiElectrotek, Mysore on 11.04.2022



- Dr.S.Kirubakaran, Mr.G.K.Jakir Hussain and Mr.T.Jagadesh visited MachDatum Private Limited for consultancy services.
- Dr.M.Kalamani visited V-Guard Industries to complete consultancy projects.

CONSULTANCY

- Dr.M.Kalamani and team completed a demo on “Lawn Sprinkler Automation using IoT” at V-Guard Industries, SIPCOT, perundurai on 26/04/2022.

