



**KPR** Institute of Engineering  
and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407



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

**NEWSLETTER- OCTOBER 2022 ISSUE**



## EDITORIAL BOARD

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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

- The Spartanz association, IETE student forum organized a quiz series on "Basics of electronics" on 21.10.2022. Totally 78 students participated from our college. 53 Students got shortlisted as their marks satisfied the passing criteria. Participation Certificates are issued to encourage them. Moreover, the feedback from the students was also collected. These type of events helps to improve the technical skill of the events. The Faculty coordinator for organizing this event are Dr. R. Arun Sekar and Ms. suganyadevi.

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Learn Beyond  
Avinashi Road, Araur, Coimbatore.

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ISTE SOCIETY FOR TECHNICAL EDUCATION

Student's Association  
**SPARTRANZ '22**  
Organises a Quiz on  
**BASICS OF ELECTRONICS-I**

The roots of Education are bitter,  
but the fruit is sweet.  
-Aristotle

<https://bit.ly/3encnvu>  
21/10/2022  
Link will be opened only for 24 hrs!

**Student coordinator's**

Saran M	II EC
Sivagurubala C S	II EC
Rishona Pauline A	II EC

**Scan to participate**

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INDIA

- The awareness program on “Outcome based education” was organized by the department of ECE in coordination with Internal Quality Assurance Cell (IQAC), KPR Institute of Engineering and Technology on 29.10.2022 through offline mode in III ECE C classroom. The session was started by 10:00am. The session was handled by Dr.B.Jaishankar, Professor, department of ECE, KPR Institute of Engineering and Technology. During the session, the resource persons gave insight of course outcomes, Program outcome, program specific outcome and significance of outcome based education. Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels.

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**Department of Electronics and Communication Engineering**

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NBA

In association with IQAC  
Organizes an awareness programme on  
**Outcome Based Education**

**Resource Person**

**Dr. B. Jaishankar**  
Professor/ECE,  
KPR Institute of Engineering and Technology, Coimbatore.

**III ECE C CLASSROOM**

**Convenor**  
Dr. M. Kathirvelu,  
Professor & Head/ECE  
Dr. J. Karpagam,  
Professor & Head/IQAC

**Coordinators**  
Dr. V. Seethalakshmi,  
Professor/ECE  
Dr. M. Kalamani,  
Professor/ECE

**29.10.2022**  
10.00 AM to  
11.00 AM

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- Guest lecture on "Industry Expectations from Student" as to motivate and equip the students for the Industry requirements in term of skill development, personality and so on. The resource person (Mr.L.Vignesh, Senior Software Developer) is from Amazon has got various offers during his course of study. Presently he is one of the HR in Amazon and conducting recruitment drive for the various roles in Amazon. The inputs of the resource person has kindled our students to get the dream offers for their career and made them to ready for the placement drive.. To motivate and equip the students for the Industry requirements in term of skill development, personality and so on. The inputs of the resource person has kindled our students to get the dream offers for their career and made them to ready for the placement drive. Vignesh, Senior Software Developer) is from Amazon has got various offers



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Department of Electronics and Communication Engineering

Organizes a guest lecture on  
**Industry Expectations from Students**

**Resource Person**

**Mr. L. Vignesh**  
Senior Software Development Engineer,  
Amazon, Chennai.

**Coordinators**  
Dr. D. Selvakumar,  
AsP/ECE  
Ms. S. Gunanandhini,  
AP(Sr.Gy)ECE

29.10.2022  
11.00 AM to 12.00 NOON

Veena Hall

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## FACULTY PUBLICATIONS

- **Dr.R.Maheswar**, Soundararajan, R., Rajagopal, M., **Akila Muthuramalingam**, A., Hossain, E., & Lloret, J. (2022). Interleaved Honey-pot-framing model with secure MAC policies for Wireless Sensor Networks. *Sensors*, 22(20), 8046. <https://doi.org/10.3390/s22208046>
- **Dr.J.Prasad**, M. Kasiselvanathan<sup>1</sup>, J. Dhanasekar “Classification and Analysis of Fake Product Review using Ai TELEMATIQUE, Vol.21, Issue-1 pp.4970-4977,October 2022. (WoS).

## FACULTY AS RESOURCE SPEAKER

- Dr.B.Jaishankar, Professor, Department of ECE, KPR Institute of Engineering and Technology as resource person as “ Outcome Based Education “ organised by KPR Institute of Engineering and Technology on 29-10-2022.

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Dr. V. Seethalakshmi, Professor/ECE  
Dr. M. Kalamani, Professor/ECE

**29.10.2022**  
10.00 AM to 11.00 AM

**4** Quality Education

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## FACULTY PARTICIPATION

Name of the Faculty	Title of FDP/STTP/OFPD/Conference	Organization Name	Start Date	End Date
Dr. J. Prasad	Amazon Web Services	KPR Institute of Engineering and Technology, Coimbatore in collaboration with BRAINOVISION SOLUTIONS INDIA PVT. LTD & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION - AICTE	8/22/2022	8/27/2022
Dr. J. Prasad	NPTEL- AICTE Faculty Development Programme " System Design Through Verilog"	NPTEL- AICTE Faculty Development Programme	10/1/2022	10/7/2022

Dr.R.Arun Sekar	Upcoming Trends in Wearable Electronics and Internet of Things	International Online Webinar	10/15/2022	10/15/2022
Dr.R.Arun Sekar	IOT based Smart solution for Traffic congestion at Metro Cities	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems	7/15/2022	7/15/2022
Ms.S.Suganyadevi	Classification of EEG signals using Machine learning algorithms	Second Edition of IEEE Mysore Subsection Flagship International Conference - MysuruCon-2022	10/17/2022	10/17/2022
Ms.S.Suganyadevi	Smart Healthcare in IoT using convolutional based cyber physical system	2022 IEEE 2nd Mysore Sub Section International Conference	11/17/2022	11/17/2022
Mr.K.Saravanan	Automatic Floor Cleaning Robot	2022 IEEE International Conference on Data Science and Information System (ICDSIS)	7/29/2022	7/29/2022
Dr.S.M.Ramesh	PUMPRIN LEAF DISEASE Detection: A Detailed Competitive Analysis	International Conference on Computational Linguistics and Natural Language Processing	9/15/2022	9/15/2022
Dr.S.Finney Daniel Shadrach	Optimization techniques for reducing the emissions through interconnected cars	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)	7/15/2022	7/15/2022
Dr.S.Finney Daniel Shadrach	A binary Bird Swarm Optimization technique for cloud computing task scheduling and load balancing	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)	7/15/2022	7/15/2022



Dr.S.Finney Daniel Shadrach	DBN with a Developed Version of Thermal Exchange Optimization (TEO) Model for Skin Cancer Detection and Classification	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES)	7/15/2022	7/15/2022
Dr.S.Finney Daniel Shadrach	Diabetic Retinopathy Detection Using Retinal Fundus Picture and Image Enhancement Using Fuzzy Clustering	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES)	7/15/2022	7/15/2022
Dr.V.Seethalakshmi	Coherent Data Transmission using Multiplexing for DWDM Communication System	2022 IEEE 2nd Mysore Sub Section International Conference	10/16/2022	10/16/2022
Dr.V.Seethalakshmi	Machine Learning approaches for detecting epileptic seizures based on EEG signals	2022 IEEE 2nd Mysore Sub Section International Conference	10/16/2022	10/16/2022

### STUDENT ACHIEVEMENT 01.10.2022 to 31.10.2022

S.No	Name of the student	Year	Title of the Event	Organized by (Name of the college and club )	Prize (Merit Position)
1	P.Balaji	II-Year	Sports	Coimbatore district Karate Championship	First Prize with gold medal and qualified for state level
2	P.Balaji	II-Year	Sports	Coimbatore district Karate Championship	Second Prize with silver medal and qualified for state level
3	Lalith K	III-Year	Project contest	WYF (World Youth Federation).	won Dr. Kalam Young Achiever Award 2022,
4	M Mohammad Shathair	II-Year	Marathon	Alertathon - NGO	Finalizer medal
5	S Kiruthika	II-Year	Marathon	Alertathon - NGO	Finalizer medal
6	Epsiba L	II-Year	Paper Presentation	Sri Ramakrishna Engineering College, Coimbatore	Second prize

7	Gokhul S	II-Year	Paper Presentation	Sri Ramakrishna Engineering College, Coimbatore	Second prize
8	Akash R	II-Year	Paper Presentation	Sri Ramakrishna Engineering College, Coimbatore	Second prize
9	Amudan R T	III-Year	Project contest (Robo war)	Paavai Engineering College , Namakkal	First prize with cash award of Rs.10K
10	Lalith K	III-Year	Project contest (Robo war)	Paavai Engineering College , Namakkal	First prize with cash award of Rs.10K
11	Lalith K	III-Year	Project contest (hovercraft)	NIT Calicut, Kerala	Second prize with cash award of Rs.15K
12	Madhavan	III-Year	Project contest (hovercraft)	NIT Calicut, Kerala	Fourth prize with cash award of Rs.5K
13	Lalith K	III-Year	Project Contest (RC Boat)	NIT Calicut, Kerala	Third Prize
14	Madhavan	III-Year	Project Contest (RC Boat)	NIT Calicut, Kerala	Third Prize
15	Akash D	II-Year	Project Presentation (Innovesense V2.0)	KPR Institute of Engineering and Technology, Coimbatore	First Prize (Rs.30000 Cash)
16	Dharshan B	II-Year	Project Presentation (Innovesense V2.0)	KPR Institute of Engineering and Technology, Coimbatore	First Prize (Rs.30000 Cash)

### PLACEMENT DETAILS 01.10.2022 to 31.10.2022

S.No	Name of the Student	Name of the Company
1.	Aswin S	Cognizant
2.	Charan S	Cognizant

3.	Devaki P	<b>Cognizant</b>
4.	Kaillesh K	<b>Cognizant</b>
5.	R P Kaviyashree	<b>Cognizant</b>
6.	Keerthana V	<b>Cognizant</b>
7.	Kowsikan S	<b>Cognizant</b>
8.	Mohammed Sameer A	<b>Cognizant</b>
9.	Pavithra S	<b>Cognizant</b>
10.	Rohini C S	<b>Cognizant</b>
11.	Sairanjan S	<b>Cognizant</b>
12.	Sakthivel S	<b>Cognizant</b>
13.	Selvam R	<b>Cognizant</b>
14.	Sindhuja L P	<b>Cognizant</b>
15.	Sivasudhan A	<b>Cognizant</b>
16.	Sunshetha K V	<b>Cognizant</b>
17.	Survesh Hari S	<b>Cognizant</b>
18.	Udaya Keerthi Vs	<b>Cognizant</b>
19.	Vidhyapathi N	<b>Cognizant</b>
20.	Vijayakrishna G	<b>Cognizant</b>
21.	Vinith Kumar S	<b>Cognizant</b>
22.	Vijay Sriram Cm	<b>Cognizant</b>
23.	Jawahar A	<b>L&amp;T Infotech</b>
24.	Pranesh Raja V	<b>L&amp;T Infotech</b>
25.	Sakthivel S	<b>L&amp;T Infotech</b>
26.	Sudarshan S	<b>L&amp;T Infotech</b>
27.	Aadhithya V	<b>Aptean</b>
28.	Harsshini S	<b>Aptean</b>
29.	Raghul S	<b>Aptean</b>
30.	Surendhran P	<b>Aptean</b>

31.	Sakthivel S	Aptean
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**Total Number of students Placed:93**  
**Total Number of Offers : 119**  
**Total Number of Companies Visited:16**

## IIPC ACTIVITIES

### FIELD VISITS

- III ECE – A students went to LeePra Technologies Private Limited, Mysuru and Kaynes Technology India Limited, Mysuru on 01/10/2022 along Dr.V.Seethalakshmi and Dr.K.B.Guru Moorthy.
- III ECE – C students went to RDL Technologies Private Limited, Mangalore and New Tech Industries, Mangalore on 01/10/2022 along Dr.B.Jaikumar and Ms.S.Priyadharshini.
- II ECE – A students went to LeePra Technologies Private Limited, Mysuru and Kaynes Technology India Limited, Mysuru on 08/10/2022 along with Mr.M.Singaram and Ms.A. Reethika.
- II ECE – B students went to LeePra Technologies Private Limited, Mysuru and Kaynes Technology India Limited, Mysuru on 07/10/2022 along with Mr.K.Saravanan and Ms.M.Supriya.
- II ECE – C students went to LeePra Technologies Private Limited, Mysuru and Kaynes Technology India Limited, Mysuru on 07/10/2022 along with Mr.S.Balamurali and Ms.S.Suganya Devi.



### 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". It is organized 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 also mentions the Department of Electronics and Communication Engineering, KPR Institute of Engineering and Technology, and the Industry Institute Partnership Cell. Logos for KPR Institute, Department of Electronics and Communication Engineering, and IIPC are present. Social media icons for Facebook, LinkedIn, Twitter, and Instagram are also included.

