



**KPR** Institute of Engineering  
and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407



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

**NEWSLETTER- JANUARY 2023 ISSUE**



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## ➤ **Vision**

To be a centre of excellence in the emerging areas of Electronics and Communication Engineering through research, innovation and value based education

## ➤ **Mission**

- To develop competency in emerging technologies through knowledge and skill based education
- To provide conducive environment for research and innovation to cater the societal needs
- To inculcate moral and ethical values to become socially responsible engineers

## ➤ **Programme Educational Objectives**

- **PEO 1:** Apply Electronics and Communication Engineering principles to develop socially and environmentally acceptable engineering solutions.
- **PEO 2:** Embrace technological challenges through skill upgradation or higher education or research.
- **PEO 3:** Exhibit leadership qualities with professional and ethical values.

## FACULTY PUBLICATIONS

- Subramani, J., Maria, Arun Sekar Rajasekaran, A. S., Al-Turjman, F., & Gopal, M. (2023). Blockchain-based physically secure and privacy-aware anonymous authentication scheme for FOG-based Vanets. *IEEE Access*, 11, 17138–17150. <https://doi.org/10.1109/access.2022.3230448>
- Arumugam, C., Kandasamy, K.S.Tamilselvan., & Kumaravel Subramaniam, T. (2023). Enhancement of the carbon content and electrochemical performance by decorating zinc oxide over graphene oxide/polyaniline composite. *Journal of Electrochemical Energy Conversion and Storage*, 20(2). <https://doi.org/10.1115/1.4056531>
- Ashok Vajravelu, K.S.Tamil Selvan, Muhammad Jamil Mahadi, Anitha Jude, & Isabel de Diez. (2023). Machine learning techniques to detect bleeding frame and area in wireless capsule endoscopy video. *Journal of Intelligent & Fuzzy Systems*, 44(1), 353–364. <https://doi.org/10.3233/jifs-213099>

## FACULTY PARTICIPATION

Name of the Faculty	Title of FDP/STTP/OFDP/Conference/Online Course	Organization Name	Start Date	End Date
Ms.MD.Saranya	Advanced C And Introduction To Embedded Programming	VAct Technologies	16-12-2022	22-12-2022
Dr.J.Muralidharan	VLSI, Embedded	VAct Technologies	16-12-2022	30-12-2022
Ms.S.Nithya	Two Days Workshop on Advances in Antenna Design and Simulation	PES UNIVERSITY	05-01-2023	06-01-2023
Dr. V.Seethalakshmi	Advances in Antenna design and simulation	PES University	05-01-2023	06-01-2023
Mr.G.Pradeepkumar	Coal Miners Activity Sensing using IoT	Sri Sakthi Institute of Engineering and Technology	23-01-2023	23-01-2023
Mr.G.Pradeepkumar	Healing And Preventing Trees From Beetles Using Pesticides	Sri Sakthi Institute of Engineering and Technology	23-01-2023	23-01-2023
Mr.S.Satheesh kumar	Bosch - Vehicle Diagnostics	Robert Bosch	23-01-2023	28-01-2023

Dr.D.Venugopal	Outcome based education - series 1	KPRIET	28-01-2023	28-01-2023
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### STUDENT PARTICIPATION

S.No	Event Name	No of students participated
1	Online course	4
2	workshop	1
3	Contest (Quiz, Coding Contest, club events, etc.)	9
4	Paper presentation	5
5	Internship	Nil
6	Project Presentation	2
7	NSS, YRC activities	1

### STUDENT ACHIEVEMENT

S.No	Name of the Student	Year	Title of the Event	Organized by (Name of College and Club)	Prize - Merit Position
1	Akshai Kumar	II Year A	Drone Racing Event	GMR Institute of Technology	First
2	Akshai Kumar	II Year A	Hoverdrive	GMR Institute of Technology	First
3	Naresh R	II Year B	Hoverdrive	Chaitanya Bharathi institute of Technology	Second
4	Naresh R	II Year B	Robo Oceana by Caterpillar	IIT Madras	First
5	Naveenkumar R	II Year B	Line Follower (ROBOVANZA-2K23)	Chaitanya Bharathi institute of Technology	Third
6	Naveenkumar R	II Year B	Hoverdrive	Chaitanya Bharathi institute of Technology	Second
7	Naveenkumar R	II Year B	Robo Oceana by Caterpillar	IIT Madras	First

8	Koushik Ram G B	II Year B	Drone Racing	GMR Institute of Technology	First
9	Lekshmana Kumar M	II Year B	Drone Racing	GMR Institute of Technology	First
10	Ranjith Kumar.C	II Year C	Robo Oceana by Caterpillar	IIT Madras	First
11	Ranjith Kumar.C	II Year C	Line Follower (ROBOVANZA-2K23)	Chaitanya Bharathi institute of Technology	Third
12	Aravinth V	III Year A	Cricket Men Tournament	Anna University Sports Board Chennai Zone - IX	Third
13	Gokul raj B	III Year A	Cricket Men Tournament	Anna University Sports Board Chennai Zone - IX	Third
14	Madhavan S	III Year B	National Technical Event ROBOVANZA 23, Drone Racing	Chaitanya Bharathi Institute of technology, Andrapradesh	First
15	Laltih	III Year B	National Technical Event ROBOVANZA 23, Drone Racing	Chaitanya Bharathi Institute of technology, Andrapradesh	Second
16	Madhavan S	III Year B	National Technical Event ROBOVANZA 23, Drone Racing	Chaitanya Bharathi Institute of technology, Andrapradesh	First
17	Laltih.K	III Year B	National Technical Event ROBOVANZA 23, Drone Racing	Chaitanya Bharathi Institute of technology, Andrapradesh	Second
18	Laltih.K	III Year B	Shaastra -2023, Fire and ICE	IIT, Madras	Second
19	Laltih.K	III Year B	Shaastra -2023, Robo Robo Ocean by Catterfiller	IIT, Madras	Second

20	Madhavan S	III Year B	Shaastra -2023, Fire and ICE	IIT, Madras	Second
21	Madhavan S	III Year B	Shaastra -2023, Robo Robo Ocean by Catterfiller	IIT, Madras	Second
22	Varun P R	III Year C	National Technical Event ROBOVANZA 23, Drone Racing	Chaitanya Bharathi Institute of technology, Andrapradesh	Third
23	Sethupathi.K	III Year C	Radio Club, KPRIET	KPRIET	First
24	Akshai Kumar	II Year A	Drone Racing Event	GMR Institute of Technology	First
25	Akshai Kumar	II Year A	Hoverdrive	GMR Institute of Technology	First
26	Naresh R	II Year B	Hoverdrive	Chaitanya Bharathi institute of Technology	Second
27	Naresh R	II Year B	Robo Oceana by Caterpillar	IIT Madras	First
28	Naveenkumar R	II Year B	Line Follower (ROBOVANZA- 2K23)	Chaitanya Bharathi institute of Technology	Third
29	Naveenkumar R	II Year B	Hoverdrive	Chaitanya Bharathi institute of Technology	Second
30	Naveenkumar R	II Year B	Robo Oceana by Caterpillar	IIT Madras	First

## IIPC ACTIVITIES

### INDUSTRY VISITS

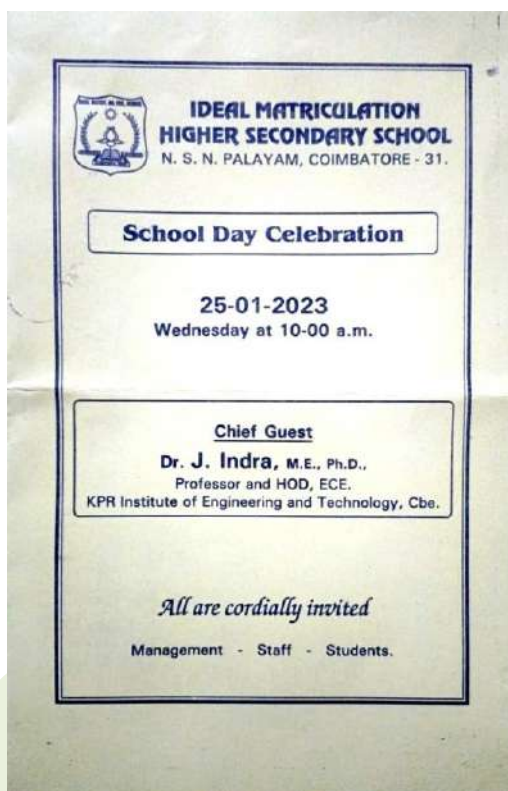
- Dr. J.Indra, Dr. M. Kalamani and Mr. T.Jagadesh visited Salzer Electronics Limited on 10/01/2023 and discussed about consultancy projects.
- Dr. K.S. Tamilselvan visited TNAU, Coimbatore on 04/01/2023 and discussed about contractual research projects.

- Dr. M. Kalamani visited V-Guard Industries on 19/01/2023 and discussed about the ongoing consultancy projects.



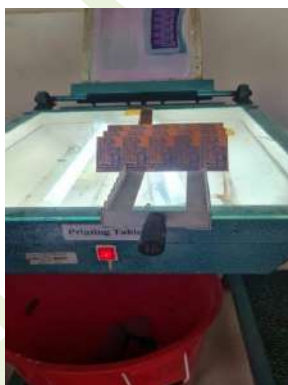
- Dr. J Indra was invited as chief guest for the School day celebration on 25.01.2023 at Ideal Matriculation Higher Secondary School, Coimbatore





### **CONSULTANCY ACTIVITIES**

- Dr. S. Finney Daniel completed consultancy project on PCB fabrication for RS Power system of worth Rs. 3540.



- Dr. K.S Tamilselvan completed consultancy project on Design and Development of IR based Vein Detector for Bharat Medical Systems, Chennai of worth Rs.12,036.