

Department of Electrical and Electronics Engineering  
KPR Institute of Engineering and Technology



# NEWSLETTER



# ELECTROBLITZ

**VOLUME 7, ISSUE 8**  
**August 2021**



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# VISION AND MISSION OF THE DEPARTMENT

## Vision:

To be the **centre of higher learning** in the field of Electrical and Electronics Engineering by educating the students to meet the **global challenges** with **professional ethics and social consciousness**.

## Mission:

- Providing **technical, intellectual and ethical** environment to the students through **knowledge centric education and research**.
- Collaborating with industries in the vicinity, nationally and internationally for exposure and **innovation**.
- Enabling the students to **serve the society** through **prolific ideas**.

## Programme Educational Objectives (PEOs)

The Graduates of Electrical and Electronics Engineering will

- **PEO1** Possess an adequate knowledge to meet the needs of the stakeholders and excel in their chosen profession with good communication and managerial skills.
- **PEO2** Adapt to emerging technologies and practice their profession confirming to ethical and human values.
- **PEO3** Continuously improve the habit of self-study through professional development activities.

## Programme Outcomes (POs)

Graduates of Electrical and Electronics Engineering will be able to:

- **PO1 Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **PO2 Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **PO3 Design/development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

- **PO4 Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **PO5 Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **PO6 The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **PO7 Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **PO8 Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **PO9 Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **PO10 Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **PO11 Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **PO12 Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

## Programme Specific Outcomes (PSOs)

Graduates of Electrical and Electronics Engineering will able to:

- **PSO1** Develop skills to the expectations of the dynamic industrial practices in Electrical Engineering and allied areas.
- **PSO2** Analyze, design and integrate various renewable energy sources to meet the energy demand.



# FACULTY DETAILS

S.NO	NAME OF THE FACULTY	DESIGNATION
1.	Dr.V.Kumar Chinnaiyan	Professor & Head
2.	Dr.J.Karpagam	Professor
3.	Dr.K.Mohana Sundaram	Professor
4.	Dr.R.Uthirasamy	Professor
5.	Dr. V.S.Chandrika	Associate Professor
6.	Dr.P.Pandiyan	Associate Professor
7.	Dr.A.Karthick	Associate Professor
8.	Mr.S.Vivekanandan	Assistant Professor (Sl.G)
9.	Mr.G.Saravanan	Assistant Professor (Sl.G)
10.	Mr.R.Sampathkumar	Assistant Professor (Sl.G)
11.	Dr.C.Pazhanimuthu	Assistant Professor (Sl.G)
12.	Dr.I.Baranilingesan	Assistant Professor (Sl.G)
13.	Dr.S.Ravindran	Assistant Professor (Sl.G)
14.	Dr.A.Matheswaran	Assistant Professor (Sl.G)
15.	Dr.V.Parimala	Assistant Professor (Sl.G)
16.	Mr.D.Sathish Kumar	Assistant Professor (Sr.G)
17.	Ms.B.Lalitha	Assistant Professor (Sr.G)

18.	Ms.R.Revathi	Assistant Professor (Sr.G)
19.	Mr.A.Mohamed Ibrahim	Assistant Professor (Sr.G)
20.	Mr.P.Ravikumar	Assistant Professor (Sr.G)
21.	Mr.V.Kamalkumar	Assistant Professor(Sr.G)
22.	Mr.C.J.Vignesh	Assistant Professor(Sr.G)
23.	Mr.K.Balamurugan	Assistant Professor
24.	Ms.P.Praveena	Assistant Professor
25.	Mr.C.Dinesh	Assistant Professor
26.	Mr.M.Mohana Sundaram	Assistant Professor

### SUPPORTING STAFF

S.NO	NAME OF THE STAFF	DESIGNATION
1.	Mr.M.Vinothkumar	Lab Technician
2.	Mr.C.Gopalakrishnan	Lab Technician
3.	Mr.R. Vinothkumar	Lab Technician
4.	Mr.K.S.M.Manoj Kumar	Lab Technician
5.	Mr.M.Soundharrajan	Lab Technician
6.	Mr.A.Nandhakumar	Office Assistant

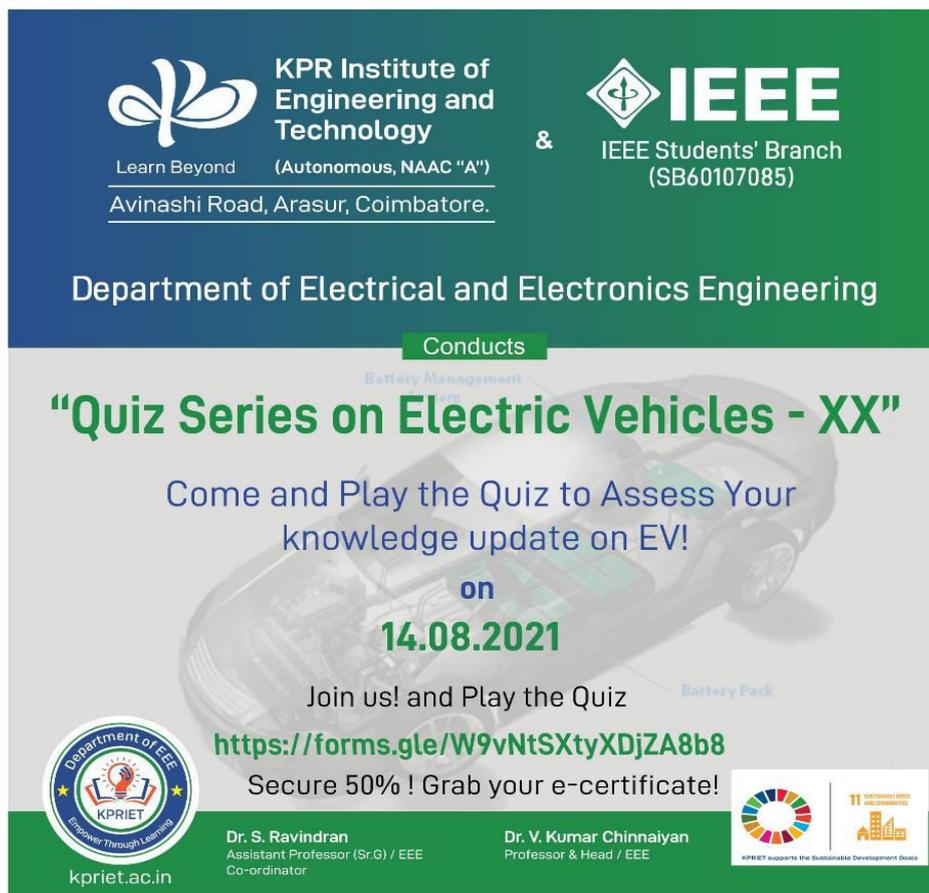
## ASSOCIATION ACTIVITIES

### Quiz Series on Electric vehicles-XX

The department of Electrical and Electronics Engineering organized a “Quiz Series on Electric Vehicles – XX” on 14/08/2021 open to all, who are keen on emerging EV technologies. The poster is circulated to various Institutions and in social media digitally. Participants from various Institutions, Universities and Industries across India and foreign nations have participated in this quiz.

The details of the Program Participants are given below:

Total Participants	:	211
Participants cleared the quiz and received Certificate	:	176
Participants from other Nations, Institutions and Universities	:	184
Participants from KPRIET	:	27



The poster features a green and blue color scheme. At the top left is the KPR Institute of Engineering and Technology logo with the tagline 'Learn Beyond' and '(Autonomous, NAAC "A")' and the address 'Avinashi Road, Arasur, Coimbatore.'. To the right is the IEEE logo and 'IEEE Students' Branch (SB60107085)'. Below these is the text 'Department of Electrical and Electronics Engineering' and 'Conducts'. The main title is 'Quiz Series on Electric Vehicles - XX' in large green font. Below it, the text reads 'Come and Play the Quiz to Assess Your knowledge update on EV! on 14.08.2021'. A call to action says 'Join us! and Play the Quiz' with the URL 'https://forms.gle/W9vNtSXtyXDjZA8b8' and 'Secure 50% ! Grab your e-certificate!'. At the bottom, there are logos for the Department of EEE, KPRIET, and the 11 Sustainable Development Goals. The website 'kpriet.ac.in' is listed at the bottom left. Two faculty members are mentioned: Dr. S. Ravindran, Assistant Professor (Sr.G) / EEE, Co-ordinator, and Dr. V. Kumar Chinnaiyan, Professor & Head / EEE.

**KPR Institute of Engineering and Technology**  
Learn Beyond (Autonomous, NAAC "A")  
Avinashi Road, Arasur, Coimbatore.

**IEEE**  
IEEE Students' Branch  
(SB60107085)

Department of Electrical and Electronics Engineering  
Conducts

**"Quiz Series on Electric Vehicles - XX"**

Come and Play the Quiz to Assess Your knowledge update on EV!  
on  
**14.08.2021**

Join us! and Play the Quiz

<https://forms.gle/W9vNtSXtyXDjZA8b8>  
Secure 50% ! Grab your e-certificate!

kpriet.ac.in

Dr. S. Ravindran  
Assistant Professor (Sr.G) / EEE  
Co-ordinator

Dr. V. Kumar Chinnaiyan  
Professor & Head / EEE

Department of EEE  
KPRIET  
Empower Through Learning

11 SUSTAINABLE DEVELOPMENT GOALS  
KPRIET supports the Sustainable Development Goals

## Webinar on Career and Opportunity Pathways for Electrical Engineers

The department of Electrical and Electronics Engineering & Career Advancement Cell organized a webinar on “Career and Opportunity Pathways for Electrical Engineers” on 18/08/2021 for students’ community. A heart-warming welcome remark was delivered by Dr.I.Baranilingesan, Assistant Professor (Sl.G), Department of EEE. Er.M.Vaisali, Intern at BSH, Quality Management, Chennai presented the following deliberations on,

- What can Electrical Engineers do?
- Basic Language for Coding.
- What is the need for Core and IT Industry?
- Various Govt Examinations
- Higher Studies in India and abroad

Students expressed their gratitude towards the resource person for knowledge which she shared. This webinar is interesting for the students. 55 Participants have attended the webinar. Dr.I.Baranilingesan, Assistant Professor (SL.G), Department of EEE proposed the vote of thanks.



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING & CAREER ADVANCEMENT CELL**  
**Organize a webinar on**  
**“Career and Opportunity Pathways for Electrical Engineers”**

**Date and time: 18.08.2021, 06.00 PM – 07.00 PM**



**Er.M.VAISALI,**  
**Intern at BSH**  
**Quality management**  
**Chennai.**

**Google meet link: <http://meet.google.com/nqp-mhfe-mwp>**

**Dr.V.Kumar Chinnaiyan**  
**Head, Dept. of EEE**

**Convenors**

**Dr.R.Saranya**  
**Head/CAC**

**Coordinator:**  
**Dr.I.Baranilingesan**  
**Assistant Professor (Sl.G)/EEE**

**[www.kpriet.ac.in](http://www.kpriet.ac.in)**

## Webinar on The Transformation Begins Here

The Department of Electrical and Electronics Engineering organized an event “The Transformation Begins Here” on 18.08.2021. A heart-warming welcome remark was delivered by Prof. S. Vivekanandan, Assistant Professor (Sl.G), Department of EEE and Inaugural Address by Dr. V. Kumar Chinnaiyan, Professor and Head, Department of EEE.

Prof. P. Ravikumar, Assistant Professor (Sr.G) presented the life at KPRIET, the event is followed by Dr. P. ThamaraiKannan, Head – CDC and Prof. V. Kamal Kumar, Assistant Professor (Sr.G) discussed the placement records of the Institution and Department, final year students shared their INTERN Life to their juniors and Prof. S. Vivekanandan, shared the information and happenings of EEE @ KPRIET. 107 students and faculties attended the event and ignited themselves.

The event is concluded with vote of thanks by Dr. V.S.Chandrika, Associate Professor, Department of EEE.



The banner features a central title "The Transformation Begins Here" in green, flanked by two cartoon characters: a student on the left and a professional on the right. Below the title, it says "Our Stars are Unveiling Their Success Stories". The event date and time are "18.08.21 07:00 PM". Zoom details are provided: "Meeting ID : 840 9259 1550" and "Passcode : 115832". The top row includes logos for KPRIET CDC, Department of EEE, AICTE-CII Best Industry-Linkage Award - 2020, and Quality Education. The bottom row features the KPR Institute of Engineering and Technology logo and contact information.

**KPRIET**  
CDC

Department of EEE  
Empower Through Learning  
KPRIET

AICTE-CII  
Best Industry-Linkage  
Award - 2020  
Electrical Engineering and Allied

Quality Education

KPRIET supports the Sustainable Development Goals

# The Transformation Begins Here

Our Stars are Unveiling Their Success Stories

See us Shine on **18.08.21**  
**07:00 PM**

Meeting ID : 840 9259 1550  
Passcode : 115832

zoom

**KPR Institute of Engineering and Technology**  
Learn Beyond (Autonomous, NAAC "A")  
Avinashi Road, Arasur, Coimbatore.

**EEE @ KPRIET**  
8015143858 | 9095062900 | 9788576425

## Webinar on Skill Development Industry 4.0

The department of Electrical and Electronics Engineering organized a lecture by industry expert “Skill Development Industry 4.0” on 27.08.2021 for students community. A heart-warming welcome remark was delivered by Prof.C.Dinesh AP/EEE, Er. Mohammed Akmal, Manager – Customer Services, Siemens, Coimbatore presented the following deliberations

- Smart Factory
- Industrial revolution
- Industrial IIoT
- Cyber security concerns
- Assest Management by OEMS
- Reliable equipment to power connectivity

Students expressed their gratitude towards the resource person for knowledge which the resource person shared. This lecture is interesting for the students and 62 were attended.

The session ended with vote of thanks delivered by Prof.C.Dinesh AP/EEE

KPR Institute of Engineering and Technology  
Learn Beyond (Autonomous, NAAC "A")  
TNEA Counselling Code: 2764

Department of EEE  
KPRIET  
Empower Through Learning

AICTE-CII  
Best Industry-Linkage  
Award - 2020  
Electrical Engineering and Allied

KPRIET supports the Sustainable Development Goals

Webinar on **Skill Development Industry 4.0**

**Er. MOHAMMED AKMAL**  
Manager - Customer Services  
Siemens, Coimbatore

Microsoft Teams

27 August 2021

04.30 PM – 5.30 PM

**EEE @ KPRIET**  
8015143858 | 9095062900

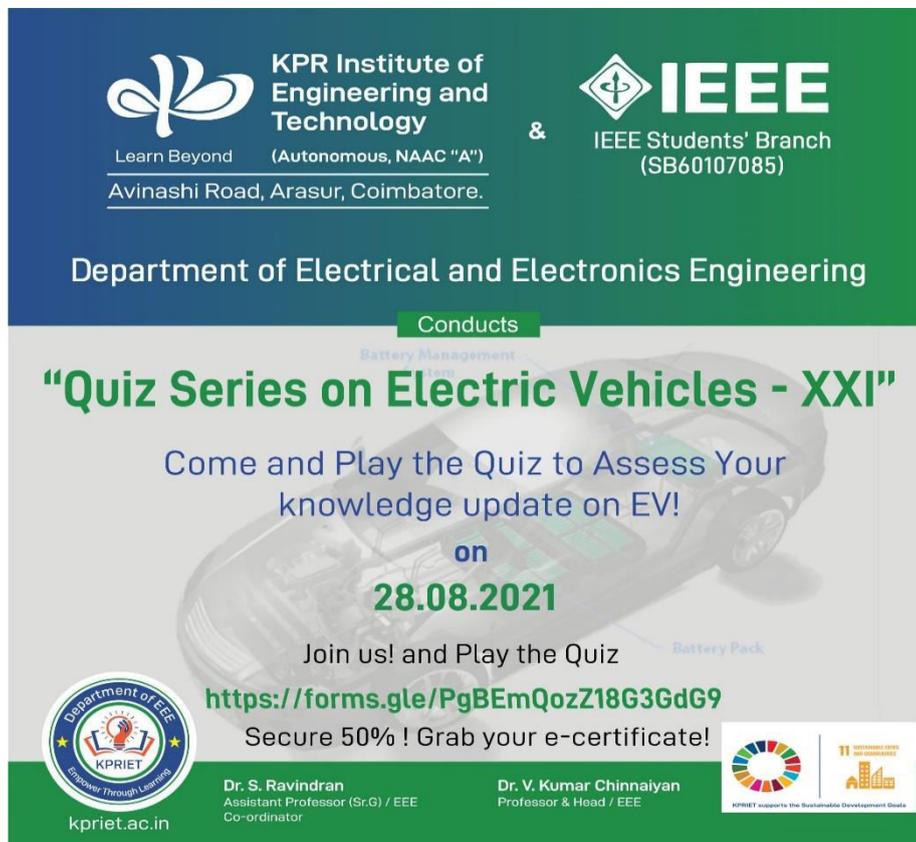
## Quiz Series on Electric vehicles-XXI

The department of Electrical and Electronics Engineering organized a “Quiz Series on Electric Vehicles – XXI” on 28/08/2021 open to all, who are keen on emerging EV technologies. The poster is circulated to various Institutions and in social media digitally.

Participants from various Institutions, Universities and Industries across India and foreign nations have participated in this quiz.

The details of the Program Participants are given below:

Total Participants	:	108
Participants cleared the quiz and received Certificate	:	77
Participants from other Nations, Institutions and Universities	:	90
Participants from KPRIET	:	18



The poster features the logos of KPR Institute of Engineering and Technology and IEEE Students' Branch. It is organized by the Department of Electrical and Electronics Engineering. The event is titled "Quiz Series on Electric Vehicles - XXI" and is held on 28.08.2021. The poster includes a call to action to play the quiz to assess knowledge on EV, a registration link, and a 50% discount on e-certificates. It also lists the names and titles of the co-ordinators, Dr. S. Ravindran and Dr. V. Kumar Chinnaiyan, and includes the KPRIET logo and website.

KPR Institute of Engineering and Technology  
Learn Beyond (Autonomous, NAAC "A")  
Avinashi Road, Arasur, Coimbatore.

IEEE  
IEEE Students' Branch  
(SB60107085)

Department of Electrical and Electronics Engineering

Conducts

**"Quiz Series on Electric Vehicles - XXI"**

Come and Play the Quiz to Assess Your knowledge update on EV!

on  
**28.08.2021**

Join us! and Play the Quiz

<https://forms.gle/PgBEmQozZ18G3GdG9>

Secure 50%! Grab your e-certificate!

kpriet.ac.in

Dr. S. Ravindran  
Assistant Professor (Sr.G) / EEE  
Co-ordinator

Dr. V. Kumar Chinnaiyan  
Professor & Head / EEE

KPRIET supports the Sustainable Development Goals

## Faculty Members Designated as Resource Person

Dr.A.Karthick, Associate Professor from the Department of Electrical and Electronics Engineering, was designated as the Resource Person for the webinar titled “Contemporary Materials and its Processing, Applications "COMPAS" at Easa College of Engineering and Technology, Coimbatore on 17/08/2021. Nearly 40 participants from various Institutions in and around Tamil Nadu were benefitted through the event.

## Patent Publication by the Faculty Member

Mr. Saravanan G, “A Multi Objective Reinforcement Learning Based Dynamic Resource Allocation for Low Power IoT Networks”, Publication No. 202141036924, August 2021.

## Students Paper and Project Presentation

S.No	Name of Student	Organizing Institution	Year	Date	Prize
1	Pandidurai M.	KPR Institute of Engineering and Technology, Coimbatore	II-B	22/08/2021	-
2	Sethumadhavan A.	KPR Institute of Engineering and Technology, Coimbatore	II-B	09/08/2021 - 14/08/2021	-

## Students Sports Activities

S.No	Name of Student	Year	Event	Venue	Date
1	S.A.Jetheash	II-B	Chess Tournament (District level)	Rotary club of Komarapalayam	14/08/2021 – 15/08/2021
2	S.A.Jetheash	II-B	Chess Tournament	Honorable Edapaddi K. Palaniswami Trophy, Kavandapadi	29/08/2021

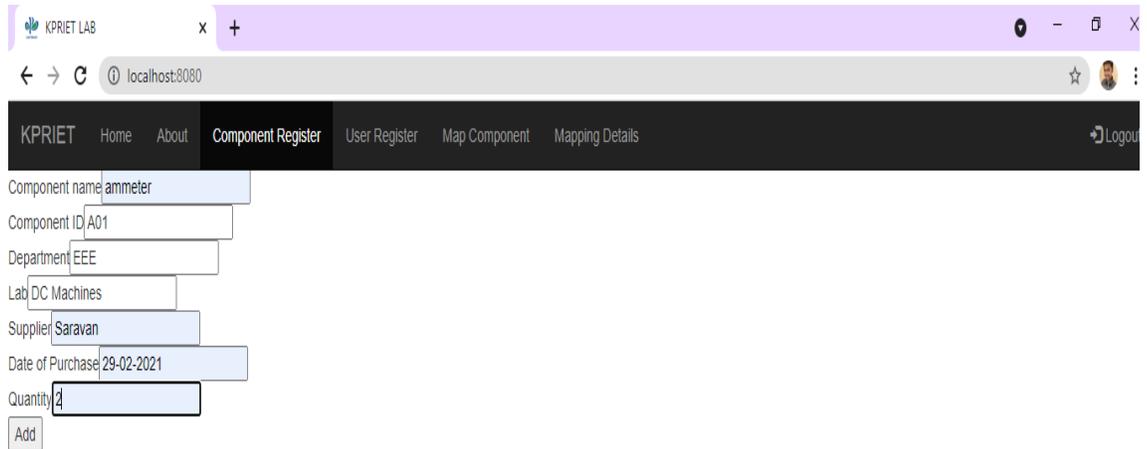
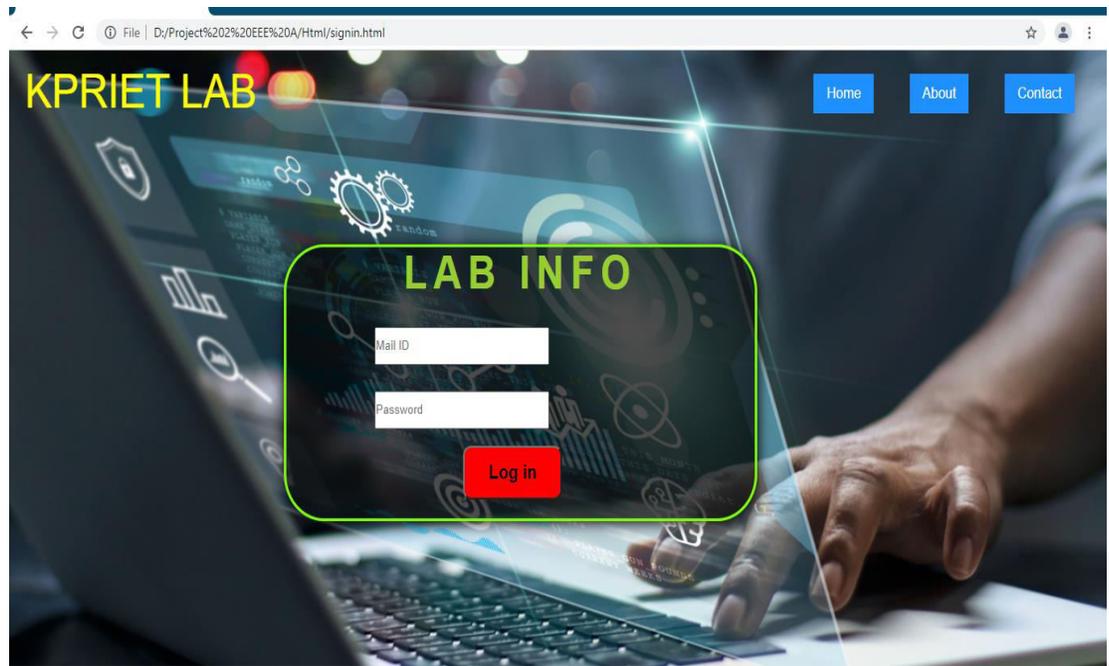
## Student Placement Details

S.No.	Student Name	Organization
1	Suvatha B.	CES IT Private Limited, Chennai
2	Kathir Vignesh S.	CES IT Private Limited, Chennai
3	Sandheep R.	CES IT Private Limited, Chennai
4	Ragipindi Anand Kumar Reddy	CES IT Private Limited, Chennai
5	Janani T.	CES IT Private Limited, Chennai
6	Dhanush Priyan S.	CES IT Private Limited, Chennai

# Product Development

<b>Product Title</b>	<b>Smart Warehouse Monitoring System</b>
<b>Name of the Supervisor</b>	Mr.G.Saravanan / EEE Ms.R.Revathi / EEE
<b>Product Description</b>	<p>“<b>Smart Warehouse Monitoring System</b>” enables real-time monitoring of laboratory equipment by providing transparency and traceability of all components across various locations. The collected data generates meaningful insights on the status of inventory, storage and gives visibility of the stock. The manual data collection is replaced with barcode/QR code. This identifies the component specifications, AMC, utility report and etc., Analyzing such data is easier and less time-consuming, since no need to create laborious excel sheets to compile all the data. The equipment data are stored in DBMS and accessed for various applications. Warehouse barcodes are useful in institutions, from taking inventory to checking out the equipment. Inventory management systems use barcodes to automate all aspects of inventory management and improve inventory positions and forecasting models. This Warehouse Management System applications can be integrated with bar code reading systems for more efficient tracking of equipment in laboratories and even RFID (radio frequency identification) for high tech tracking and other applications.</p>

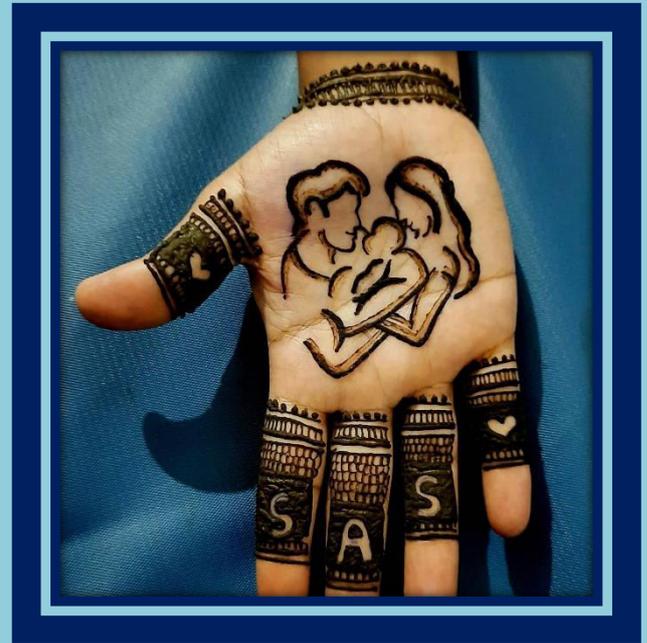
**Photograph  
of the  
Product**



**Project  
Application**

Institutions and industries for inventory management system

# Student's Corner

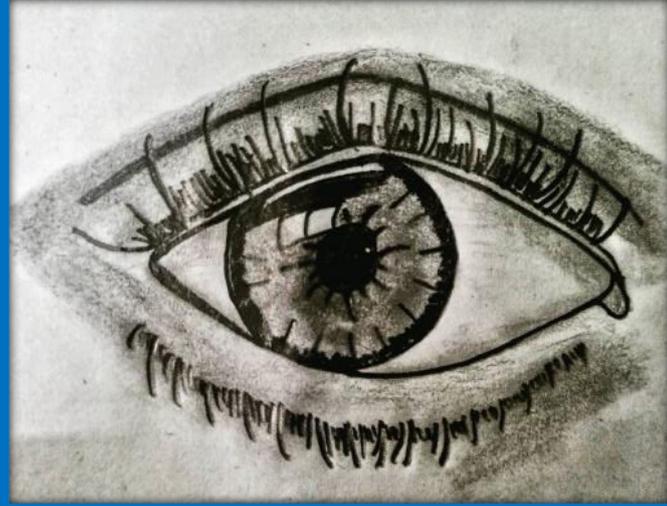


## ART GALLERY



R. Anbu Ram/ II EEE-A

# Student's Corner



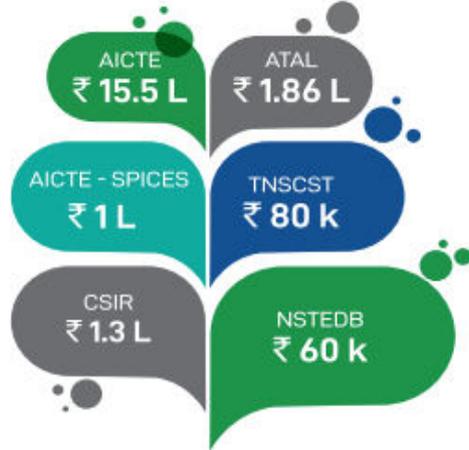
## ART GALLERY



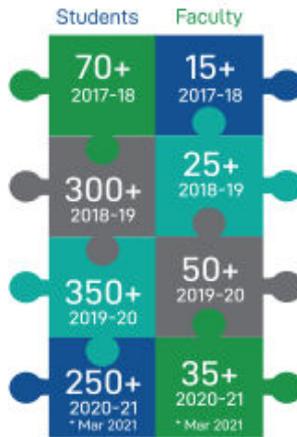
R. Anbu Ram/ II EEE-A



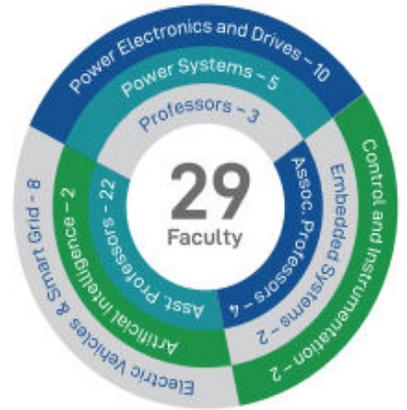
## Funds Received



## Internships



## Faculty Details



## Centre for Excellence



## Industry Institute Interaction



## Top Recruiters



## KPR IAS Academy

Institute for UPSC Exams



## Facilities @ KPRIET



For Admission and Enquiries | 0422 2635600, +91 75488 88444 | admission@kpriet.ac.in  
Avinashi Road, Arasur, Coimbatore, Tamil Nadu - 641407