



KPR Institute of Engineering
and Technology
(Autonomous)
Avinashi Road, Arasur, Coimbatore - 641 407



Department of Electronics and Communication Engineering
(Accredited by NBA)

NEWSLETTER- APRIL 2021 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

- The department of ECE in association with Centre for IoT has organized a value added course on IoT Hardware Assembly (Phase-II) from 07.04.2021 to 09.04.2021 as a part of the skill development service to the student community. It is a good initiative for each and every student to enrich their knowledge in Internet of Things era. This value added course started with introduction to NodeMCU development board and interfacing sensors with NodeMCU for IoT applications. In the second day, students were exposed with the IoT applications using Raspberry-Pi platform. In third day, hands-on training was given to the students in different IoT applications using Blynk cloud server. Students have done mini projects related to societal needs at the end of the course. Total of 15 second year students of ECE department has participated in this value added course and this course was handled by ECE faculty team

KPRIET Institute of Engineering and Technology
Green Talent. Global Mind. Smart Skills.
Amrita Road, Amrita, Coimbatore.

INSTITUTION'S INNOVATION COUNCIL
Amrita Coimbatore

Center for IoT

Department of Electronics and Communication Engineering
In association with Center for IoT
Organizes a Value Added Course on
IoT Hardware Assembly (Phase II)
From 7th April to 9th April 2021

Resource Persons
Session Time : 09.30 AM to 04:00 PM

Dr. V. Sothatachmi
Associate Professor
ECE Institute of Engineering and Technology
Co-ordinator

Dr. K. Kalirajan
Associate Professor
ECE Institute of Engineering and Technology
Co-ordinator

Dr. S. Kirubakaran
Assistant Professor
ECE Institute of Engineering and Technology
Co-ordinator

Mr. K. Saravanan
Assistant Professor
ECE Institute of Engineering and Technology
Resource Person

Mr. D. Prudhupriya
Assistant Professor
ECE Institute of Engineering and Technology
Resource Person

We support the Sustainable Development Goals

Convener
Dr. M. Kathirvelu
IIT/ITCE

Co-ordinators
Dr. K. Kalirajan
Asst/ITCE
Dr. S. Kirubakaran
Assistant Professor
Asst/ITCE

kpriet.ac.in
f t i o /KPRIETonline

Venue : ECE Block

#KPRIET
#eceKPRIET

- Dr.B.Jaishankar, AsP/ECE and Ms.M.Supriya AP/ECE, organized Webinar on “Glimpse on Mainframe and Embedded Software” on 17.04.2021 from 10:00 am to 11:00 am. The session was enriched with 68 participants. The resource person Mr.M.Saithulasiram, Mainframe Console and batch operator, IBM Chennai gave the overview of Mainframe console and explained the need of Mainframe in industries. The resource person Mr.M.NaveenPrasath, Embedded software Engineer, VVDN technologies explained about embedded software. He also discussed about embedded software into the electronics of cars, telephones, modems and few real time applications. Students were interactive throughout the session and the Queries were explained by Mr.M.Saithulasiram and Mr.N.NaveenPrasath at the end of the session. Students gave good feedback about the topic discussed and about the delivery of content by the resource person

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

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD) (Autonomous)

Department of Electronics and Communication Engineering and KPRIET Alumni Association
Organize a webinar on
Glimpse of Mainframe and Embedded software

Resource Persons

Mr.M.Saithulasiram
Mainframe Console and Batch Operator, IBM, Chennai.

Mr.M.Naveen Prasath
Embedded Software Engineer, VVDN Technologies, Coimbatore.

<http://meet.google.com/hxq-ogmz-gye>

Date : 17.04.2021
Time : 10.00 AM to 11.00 AM

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

Coordinators
Dr.B.Jaishankar, AsP/ECE
Ms.M.Supriya, AP/ECE

kpriet.ac.in

- Department of Electronics and Communication Engineering in association with Office of Alumni Relations, organized a webinar titled “Scope of IoT in Industrial Applications” on 24th April 2021. The resource person is an alumni of KPRIET, Ms.S.Sowbharani, who works as a software analyst at Accenture Pvt. Solutions, Bangalore. Ms.Sowbharani.S explained about the importance and characteristics of IoT. She gave an insight about Industrial IoT. She also stated various examples regarding the topic and made the session interactive. At last, the resource person concluded the webinar by talking about the technological and social impacts of IoT. The session was informative and interesting. There were about 30+ participants, both students and faculties who made the session interactive.

The poster is for a webinar titled "Scope of IoT in Industrial Applications". At the top, it features logos for KPR Institute of Engineering and Technology (with the tagline "Learn Beyond"), Department of Electronics and Communication Engineering, and the Office of Alumni Relations. Below the logos, it states "In association with Office of Alumni Relations Organizes a webinar on Scope of IoT in Industrial Applications". The resource person is identified as Ms. S. Sowbharani, a Software Analyst at Accenture Pvt. Solutions, Bengaluru. A Google Meet link is provided: <https://meet.google.com/eoj-nvfn-pfq>. The date is 24.04.2021 and the time is 10:00 AM to 12:00 NOON. At the bottom, the convener is Dr. M. Kathirvelu, Professor & Head/ECE, and the coordinators are Ms. S. Nithya, AP(Sr.G)/ECE and Mr. M. Singaram, AP/ECE. The poster also includes logos for ISTE, EFET, and the Institution's Innovation Council.

FACULTY PUBLICATIONS

- Dr.K.Kalirajan,Mr.K.Balaji,Dr.D.Venugopal, Dr.V.Seethalakshmi,“Deep Learning and Big Data for Intelligent Transportation”, Springer, ISSN:978-3-030-65660-7April2021.(Scopus).
- Dr.S.M.Ramesh,Mr.K.Saravanavel“Hub Floating-Point Adder Using Double Path”, International Journal of Scientific Research in Science and Technology, ISSN:2395-602X, April 2021. (UGC).
- Mr.S.Finney Daniel Shadrach,Mr.VamsidharEnireddy,Ms.P.Shobharani, Ms.R.Anitha, Ms.SugumariVallinayagam, Mr.T.Maridurai, Mr.T.Sathish, Mr.E.Balakrishnan.“Prediction of human

diseases using optimized clustering techniques”, Materials Today Proceedings,ISSN:2214-7853, April 2021. (Scopus).

FACULTY PATENT PUBLICATIONS

S. No.	Name of the Applicant/Inventor	Title of the Project/Invention	Application No.	Date of Publication	Current Status
1	Dr.Sureshkumar Agarwal, Ms.Hema Priyadharshini, Dr.Neelima Priyanka Nutulapati, Dr.T.J.Catherine, Mr.Akshatha Hari Baht, Mr.S.P.Cowsigan ,Mr.Prafulnandankar, Mr.T.Ch Anil kumar, Mr.Haqqani Arshad, Dr.BhagyashreeAmbore, Dr.Harshitavachhani, Mr.Khallikkunaisa, Mr.A.S.Rajesh	IoT based pandemic related smart room disinfecting system	20213101464 8 A	09.04.2021	Published

FACULTY AS RESOURCE SPEAKER

- Dr.K.Kalirajan, Associate Professor, Dr.V.Seethalakshmi, Associate professor, Dr.S.Kirubakarn,Assistant professor(Sl.G), Mr.K.Saravanan,Assistant professor(Sr.G) and Mr.G.Pradeep kumar, Assistant professor (Sr.G), Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a online Value added course on “VAC on IoT Hardware Assembly Phase-II” conducted by KPR Institute of Engineering and Technology, Coimbatore on 07-04-2021.

FACULTY PARTICIPATION

Name of the Faculty	Title of FDP/STTP/OFDP	Organization Name	Start Date	End Date
Dr.J.Muralidharan	FDP on Electric, Hybrid Electric Vehicles and Charging Infrastruture	Don Bosco Instiute Of Technology	06-04-2021	10-04-2021

Dr.J.Muralidharan	Refresher Programme On Industrial Application Of Matlab	Ojaswini Institute of Management and Technology	08-04-2021	14-04-2021
Dr.S.M.Ramesh	Emerging Trends and Research Challenges in Next Generation Wireless Networks	Kongunadu College of Engineering and Technology	29-03-2021	03-04-2021
Dr.S.M.Ramesh	Electric Vehicle Evolution - Impact on Power Grid	Sri Venkateswara College of Engineering	19-04-2021	24-04-2021
Mr.S.Finney Daniel Shadrach	Medical Image Processing Using Artificial Intelligence	Easwari Engineering College	22-03-2021	26-03-2021
Mr.S.Finney Daniel Shadrach	Signal Processing and Machine Learning Techniques	SPARC	26-03-2021	30-03-2021

PLACEMENT DETAILS

S.No	Name of the Student	Name of the Company
1	Ganesh. P	Health watch
2	Renuka.K	Health watch
3	Suvetha.S	Health watch
4	Baranidharan.S	Health watch
5	Swathi.S	Health watch
6	Jamuna.R	Health watch
7	Archana.E	Health watch
8	Varshinee.D	First Advantage
9	Brindha.C	First Advantage

Total Number of students Placed:86

Total Number of Offers: 114

Total Number of Companies Visited:42

IIPC ACTIVITIES

COMPANIES VISITED FOR CONSULTANCY/ STUDENT INTERNSHIP IN APRIL 2021

- Lyle Technologies
- Wireline Solutions
- Enthu Technology Solutions India Pvt. Ltd.
- Salzer Electronics Pvt. Ltd.
- SR Electronics

CONSULTANCY

Two consultancies have been started in association with SR systems and Enthu Technologies.



INTERNSHIP

6 students were undergoing internship at popular systems.