



KPR Institute of Engineering
and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407



Department of Electronics and Communication Engineering
(Accredited by NBA)

NEWSLETTER - AUGUST 2021 ISSUE



EDITORIAL BOARD

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Professor & Head

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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

- Dr.B.Jaishankar, AsP/ECE and Ms.M.Supriya AP/ECE, organized a webinar on “An Engineer’s life after Engineering” on 09.08.2021 from 02:00 pm to 03:00 pm. Ms.M.Supriya, Welcomed the resource person Mr.Karthick Ramanujam, Technology consultant, Vitrusa Consulting Services, Chennai. He has briefed about best career options after engineering. He stressed that engineers are responsible professionals and take great care and patience and to produce instruments and designs. He also shared his past experience in IT industry. Students were interactive throughout the session and queries were well explained by Mr.Karthick ramanujam.



- Department of Electronics and Communication Engineering in association with IIPC organized webinar on “Reliability of Electronic Products” on 19.08.2021. The program is targeted for II and III year ECE students. The resource person is Mr. C.V.Renjith, Product Designer, Philips, Pune. The program started at 10:00 am with the welcome address by Mr.T.Jagadesh, IIPC coordinator, Department of ECE, KPRIET. Er.C.V.Renjith, enlightened the participants with his vast knowledge on reliability. The participants actively participated in the program through raising queries about failure analysis of electronic devices. Dr.B.Jaishankar, Associate Professor, Department of ECE, KPRIET delivered the vote of thanks.

KPR Institute of Engineering and Technology
Waddarpet, Chennai - 600 027
Autonomous, NAAC 'A'

Department of Electronics and Communication Engineering
KPR Institute of Engineering and Technology
Waddarpet, Chennai - 600 027

In association with IIPC
Organizes a webinar on
Reliability of Electronic Products

Resource Person

Mr. C.V. Renjith
Product Designer, Philips,
Pune.

Date : 19.08.2021
Time : 10:00 AM to 11:00 AM

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

Coordinators
Dr.B.Jaishankar, AsP/ECE
Mr.T.Jagadesh, AP(Sr.Gy)/ECE

- The Electronics and Communication Engineering Department has inaugurated the students association “SPARTRANZ’21” on 23.08.2021. The Inaugural function was started at 12.00 Noon. Dr.M.Kathirvelu, Professor& Head/ECE has given the welcome address. Mr.Chakravarthy Ravichandran, Lead Software Engineer (Architect), Salesforce Inc, USA was the chief guest for the function. He has delivered the special address on that day regarding the strength of students association and how it can be used for enhancing the technical knowledge of the students.

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Department of Electronics and Communication Engineering
KPR Institute of Engineering and Technology
Waddarpet, Chennai - 600 027

Accredited by NBA

Welcomes you all
**Inauguration of Students' Association
SPARTRANZ - 2021**

Resource Person

Mr. Chakravarthy Ravichandran
Lead software Engineer (Architect),
Salesforce Inc,
USA.

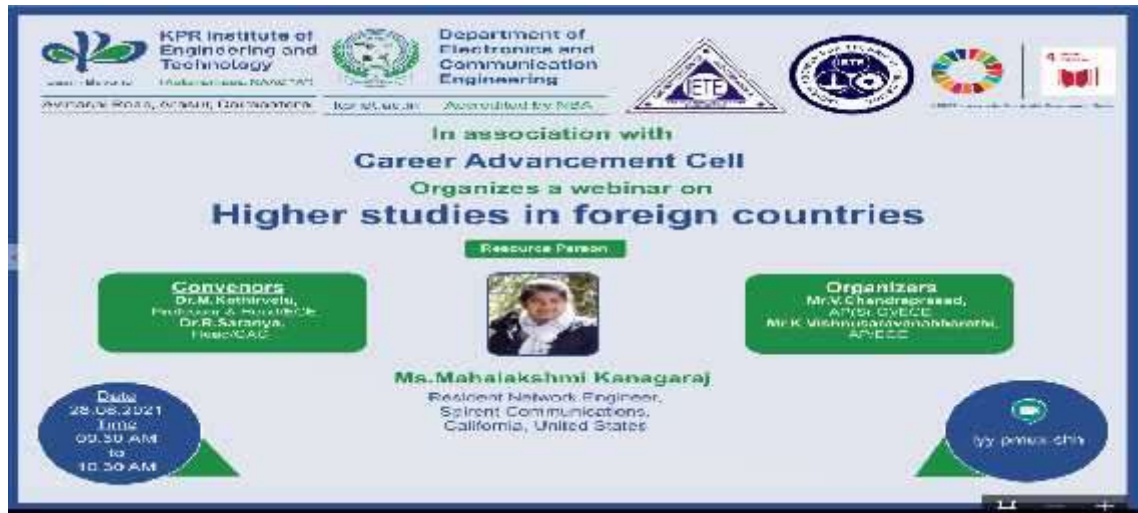
Convenor
Dr.M.Kathirvelu,
Professor & Head/ECE

Coordinators
Dr.K.Murugan, AP(Sr.Gy)/ECE
Mr.K.Saravanan - AP(Sr.Gy)/ECE

23.08.2021
12:00 NOON to 01:00 PM

ID : 31470601959
pwd: 921881

- Career Advancement Cell in association with Department of Electronics and Communication Engineering of KPR Institute of Engineering and Technology conducted a webinar on “Higher studies in foreign countries” on 28.08.2021. The main aim of this webinar is to make the students to be aware about opportunities for higher studies in abroad.



VALUE ADDED COURSE

- The Centre of Excellence for IoT, Department of Electronics and Communication Engineering of KPR Institute of Engineering and Technology organized a 5 days Hands-on Training on “Arduino Programming” on 16.08.2021 to 18.08.2021 and 23.08.2021 to 24.08.2021. The resource persons are Dr. S. Kirubakaran, AP (Sl.G)/ECE; Mr. G. K. Jakir Hussain, AP (Sl.G)/ECE and Mr.K.Saravanan, AP (Sr.G)/ECE, KPRIET, Coimbatore. The training started with the introduction to IoT and its applications, continued the training with Arduino kit operation, Node MCU operation, sensor operation and programming. The experts handled hands-on training with sensors like ultrasonic sensor, temperature and humidity sensors, Arduino programming-interfacing and configuration of sensors with Arduino software.

KPR Institute of Engineering and Technology
AVASTHANA, Araimbar, Coimbatore

Department of Electronics and Communication Engineering
KPR IECET, Coimbatore

Centre of Excellence for Internet of Things

Organizes a Hands-on Training on Arduino Programming

Resource Persons

Dr.S.Kirubakaran
Assistant Professor(SI.G)/ECE,
KPR Institute of Engineering and
Technology, Coimbatore.

Mr.G.K.Jakir Hussain
Assistant Professor(SI.G)/ECE,
KPR Institute of Engineering and
Technology, Coimbatore.

Mr.K.Saravanan
Assistant Professor(Sr.G)/ECE,
KPR Institute of Engineering and
Technology, Coimbatore.

Convener
Dr.M.Kathirvelu,
Professor & Head/ECC

Coordinators
Dr.S.Kirubakaran, AP(SI.G)/ECE
Mr.G.K.Jakir Hussain, AP(SI.G)/ECE

Date : 16.08.2021 to 19.08.2021
&
23.08.2021 to 24.08.2021

Time : 09.30 AM to 04.00 PM

Venue : IoT Centre, ECE Block

FACULTY PUBLICATIONS

- Dr.D.Venugopal, Mr.Rajakrishnamoorthy, Ms.M.Sujatha, Mr.Sudhakar Sengan, Mr.C.Bharathiraja &Mr.T.Jayasankar, “Hardware design of real valued NSCT transform for biomedical video compression”, Materials today proceedings, ISSN:2214-7583,P.No.2192-97, August 2021.(Scopus Indexed).

FACULTY PATENT PUBLICATIONS

S. No.	Name of the Applicant/Inventor	Title of the Project/Invention	Application No.	Date of Publication	Current Status
1	1.Dr.Pokkunuri Pardha Saradhi 2.Dr.Raghava Yathiraju 3.Dr.S.Kirubakaran 4.Mr. Sai Krishna Kodali 5.Dr. Boorugu Chandrashekar 6.Dr.K.R.Padma, 7.G.Pavithra 8.Anto Simon Joseph	Artificial Intelligence & Machine Learning Based Early Detection Of Cancerous Cells	202141033359 A	06/08/2021	Published

	9.Dr.Sumanta Bhattacharya 10.Dr AdarshMangal 11.Mr.Swapnil Shukla, 12.Dr.SR.Mary Fabiola				
2	1.Ingeniouz 2.Dr Venkata Suryanarayana Tinnaluri, 3.Dr I Sundara Siva Rao, 4.S. Raviraja, 5.Vivek B, 6.Poorna Chandra Reddy Alla 7.Bhavesh Bhatia, 8.Chilukala Mahender Reddy, 9.Dr.Rajkumar Banoth, 10.Dr.Sivakumar Mucheti 11.G. K. Jakir Hussain, 12.M Sravanthi, 13.Mohsin Salim Gangat	Machine Learning Based Wireless Network Modeling Based On Genetic Algorithm For Robotic Application	202141035211 A	13.08.2021	Published

FACULTY AS RESOURCE SPEAKER

- Dr.R.Kirubhashankar Professor, Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for International Conference “5th International Conference on Advanced Research in Mechanical, Materials and Manufacturing Engineering” (ICAMMME-2021)” conducted by Reva University, Bangalore on 09-07-2021 to 10-7-2021.
- Dr.S.Kirubakaran, Assistant Professor (Sl.G), Mr.G.K.Jakir Hussain Assistant Professor (Sl.G) Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a FDP “Internet of Things and Lora” conducted by KPR Institute of Engineering and Technology, Coimbatore on 17.07.2021.
- Dr.B.Jaishankar, Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a online “Outcome based education & NBA Accreditation” conducted by Nehru Institute of Engineering & Technology, Chennai on 12.08.2021 & 13.08.2021.



Nehru Institute of Engineering & Technology
 (Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
 Accredited by NAAC, Recognized by UGC with Section 2(F) and 2(B)
 NBA Accredited US Courses ABET, CEM, FIBCE-I

ON 12th & 13th AUG 2021

2 Days National Level Workshop on OUTCOME BASED EDUCATION & NBA ACCREDITATION

PLAN
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Assembly President (NBA)
PROFESSOR N.J.RAO
 Professor and Department Chair in
 Centre for Section 2(A) and 2(B) UGC
 Higher Education

**Secretary, Institutional Quality and
 Academic Improvement**
Dr. P. Prabhakaran
 Professor & Head,
 Institute of Information Engineering,
 Anna University, Chennai

**Secretary, Institutional Quality and
 Academic Improvement**
Dr. P. Sampath
 Professor & Head,
 Institute of Information Engineering,
 Anna University, Chennai

Chief Patron
Dr. P. Prabhakaran
 Professor & Head,
 Institute of Information Engineering,
 Anna University, Chennai

Coordinators
 Dr. S. Jeevanandhan, ASP/MECH,
 NIELT

Convener
 Dr. M. Senthil,
 Professor & Head,
 MECH / NIELT

Patron
 Dr. P. Maniarasam,
 Principal,
 NIELT

Chief Patron
 Dr. P. Jeyachandran,
 CFO & Secretary,
 NIELT

- Dr.M.Kalamani, Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a online webinar “Fundamentals of Medical Image Processing” conducted by Hindusthan college of Engineering & Teachnology, Coimbatore on 28.08.2021.



HINDUSTHAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
 (An Autonomous Institution)
 Valley Campus, Pollachi Highway, Coimbatore-12

DEPARTMENT OF BIOMEDICAL ENGINEERING
 Organizing

Webinar on
“Fundamentals of Medical Image Processing”

Resource Person
Dr.M.Kalamani
 Associate Professor/ECE
 KPR Institute of Engineering and Technology,
 Coimbatore

Date : 28.8.2021
 Time: 11.30am – 12.30pm

Co-ordinator
 Ms.M.Deeparani
 AP/BME

Convener
 Dr.S.Saravana Sundaram
 HoD/BME

CFO & Principal
 Dr K Karunakaran

Join us on Google meet
<https://meet.google.com/nbf-ebkx-jas>

- Dr.S.Tamilselvan,AssociateProfessor, Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a Online workshop“International Workshop on "Real Time Biomedical Application Development Using System on Chip (SoC)” conducted by, Malaysia on 03-08-2021 To 11-08-2021.



 A 3-days online workshop organized by the experts from Academic Institutions



3rd-11th August, 2021 2 PM - 4 PM
 Virtual via Google Meet


ONE WEEK INTERNATIONAL WORKSHOP ON "REAL TIME BIOMEDICAL APPLICATION DEVELOPMENT USING SYSTEM ON CHIP (SoC)"

Group / Theme	Time Slot	Resource Persons
Workshop 1 SoC	Introduction to System on Chip (SoC) in Applications (09:00 AM - 10:00 AM)	Dr. Jeyaraj, UTHM
Workshop 2 SoC	Design and development of SoC in Applications (10:00 AM - 11:00 AM)	Dr. Anand, UTHM
Workshop 3 SoC	Application of SoC in Applications (11:00 AM - 12:00 PM)	Dr. Vignesh, UTHM
Workshop 4 SoC	SoC Selection and SoC System Design (12:00 PM - 1:00 PM)	Dr. S. Kirubakaran, UTHM
Workshop 5 SoC	System on Chip Development (1:00 PM - 2:00 PM)	Dr. S. Kirubakaran, UTHM
Workshop 6 SoC	Introduction to SoC in Applications (2:00 PM - 3:00 PM)	Dr. S. Kirubakaran, UTHM
Workshop 7 SoC	Introduction to SoC in Applications (3:00 PM - 4:00 PM)	Dr. S. Kirubakaran, UTHM

REGISTRATION

shorturl.at/uAER4
 A certificate will be provided to all the participants who complete all sessions.

- Mr.K.Saravanan,AssistantProfessor(Sr.G),Dr.S.Kirubakaran,AssistantProfessor(SI.G),Mr.G.K.Jakir Hussain,Assisatnt Professor(SI.G),Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a Hands On Training“Arduino Programming” conducted byKPR Institute of Engineering & Teachnology, Coimbatore on 16.08.2021 to 23.08.2021.



Centre of Excellence for Internet of Things


Organizes a Hands-on Training on Arduino Programming


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


Coordinators
Dr.S.Kirubakaran, AP(SI.G)/ECE
Mr.G.K.Jakir Hussain, AP(SI.G)/ECE


Date : 16.08.2021 to 18.08.2021 & 23.08.2021 to 24.08.2021
Time : 09.30 AM to 04.00 PM
Venue : IoT Centre, ECE Block

Resource Persons


Dr.S.Kirubakaran
 Assistant Professor (SI.G)/ECE, KPR Institute of Engineering and Technology, Coimbatore.


Mr.G.K.Jakir Hussain
 Assistant Professor (SI.G)/ECE, KPR Institute of Engineering and Technology, Coimbatore.


Mr.K.Saravanan
 Assistant Professor (Sr.G)/ECE, KPR Institute of Engineering and Technology, Coimbatore.



FACULTY PARTICIPATION

Name of the Faculty	Title of FDP/STTP/OFDP	Organization Name	Start Date	End Date
Dr.M.Kathirvelu	Wittywise Leadership Development program	KPRIET	26-07-2021	17-08-2021
Dr.J.Muralidharan	Reliability and Security of VLSI Circuits & Systems for IoT	IIT JAMMU	02-08-2021	06-08-2021
Dr.D.Venugopal	Wittywise Leadership Development program	KPRIET	26-07-2021	17-08-2021
Ms.M.D.Saranya	Digital Logic Circuits	Bannari Amman Institute of Technology	24-08-2021	29-08-2021
Dr.J.Muralidharan	ATAL FDP VLSI - IP DESIGN Approach to SRAM Compiler Design	GM Institute of Technology.	16-08-2021	20-08-2021

STUDENT PARTICIPATION

S.No	Event Name	No of students participated
1	Webinar	10
2	Online course	52
3	Workshop	1
4	Value added course	1
5	Contest (Quiz, Coding Contest, club events, etc.)	26

PLACEMENT DETAILS 01.08.2021 TO 21.08.2021

S.No	Name of the Student	Name of the Company
1	ABARAJITHA S	HEXAWARE
2	DHANUSH R	HEXAWARE
3	GEFIN SAMUEL R	HEXAWARE
4	GOKULAKKANNAN S	HEXAWARE
5	GOKUL PRASANTH B	HEXAWARE
6	GOWTHAM S	HEXAWARE
7	JAYAVARSHINI A	HEXAWARE
8	JISSHNU KANNAN T J	HEXAWARE
9	MENAGA K G	HEXAWARE
10	RITHIC K C	HEXAWARE
11	SANTHOSH M	HEXAWARE
12	SHRUTHE M	HEXAWARE
13	SUGAN G G	HEXAWARE
14	GURU KAILASH S	IVY MOBILITY
15	GURU PRASANTH S	MAVENTIC
16	GURU PRASATH S R	IVY MOBILITY
17	JANARANJANI A	IVY MOBILITY
18	KARTHIKEYAN E	IVY MOBILITY
19	LISHANTHINI V	IVY MOBILITY
20	PRANESHKUMAR S M	IVY MOBILITY
21	SIVA PRASANNA E	IVY MOBILITY
22	NARENDHRAN S	NANO SOFT
23	SAKTHI SRI S B	TESSOLVE
24	MATHUMITHA C	TESSOLVE
25	NITHISREE B	TESSOLVE
26	HARINITA M	BSH
27	JANNET MARIYA	BSH
28	RITHIKA SHERIN A	BSH
29	SABHARI DHARSHANA S	BSH
30	MONISHA K	BSH

Total Number of students Placed:30

Total Number of Offers: 30

Total Number of Companies Visited:10

IIPC ACTIVITIES

MoU

- Signed MoU with Vact Technologies, Coimbatore on 18/08/2021.

EVENT ORGANIZED

- A webinar on “Reliability of Electronic Products” was conducted on 19/08/2021 for II year students.

KPR Institute of Engineering and Technology
Vact Technologies

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

In association with IIPC
Organizes a webinar on
Reliability of Electronic Products

Resource Person

Mr. C.V. Renjith
Product Designer, Philips,
Pune.

Date : 19.08.2021
Time : 10.00 AM to 11.00 AM

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

Coordinators
Dr. B. Jaishankar, AsP/ECE
Mr. T. Jagadesh, AP(Sr.G)/ECE

INDUSTRY VISIT

- Visited ZF wind power on 06/08/2021 and discussed about signing of MoU.
- Visited Sheltronics Control Systems and MelzIndcosys Solutions on 24/08/2021 and discussed about Internship opportunities.