



KPR Institute of Engineering
and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407



Department of Electronics and Communication Engineering
(Accredited by NBA)

NEWSLETTER- DECEMBER 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 organised an AICTE-ISTE sponsored six days online refresher/induction program on Neuromorphic Computing for AI. The participant's registration for the event is 110 out of which 70 participants were shortlisted based on guidelines given by AICTE-ISTE. The selected 70 participants were from various states like Gujarat, Andhra Pradesh, Telegana, Karnataka, Maharastra and Tamilnadu. The Neuromorphic computing for AI is most trending topic in our modern world.

NOTE
An online test will be conducted at the end of the each day and E certificates will be issued only to the participants who have attended the program with 100% attendance and have qualified with 60% of marks in both daily tests and final test. Registration is based on first come first serve basis. Preference will be given for ISTE members.

REGISTRATION LINK
No Registration Fee



<https://forms.gle/S3hpUUCoCR83NUSA>

Contact Details
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ORGANIZING COMMITTEE

CHIEF PATRON : Dr. K.P. Ramasamy
Chairman, KPR Group

PATRON : Dr. M. Akila, Principal,
KPR Institute of Engineering and Technology

CONVENER : Dr. M.Kathiravel
Professor & Head
Department of ECE
KPR Institute of Engineering and Technology

Program Coordinators : Dr. J. Muralidharan
Associate Professor
Department of ECE
KPR Institute of Engineering and Technology

Mr. S. Satheesh Kumar
Assistant Professor (Sr. Grade)
Department of ECE
KPR Institute of Engineering and Technology



AICTE - ISTE
Sponsored

Six Days Induction / Refresher Programme
On
Neuromorphic Computing for AI
24th - 31st December 2021

Organized by
Department of Electronics and
Communication Engineering
KPR Institute of Engineering and Technology

- The Department of ECE, KPR Institute of Engineering and Technology organized a two weeks internship programme on PCB Design and Fabrication from 29-11-2021 to 17-12-2021 in collaboration with S J Electronics Pvt. Ltd, Coimbatore. Resource person was Mr.Chandru, PCB design Engineer, S J Electronics, Coimbatore. The internship was aimed to provide knowledge about complete PCB designing using simulation tool to test electronics & electrical circuit in software environment and also its fabrication. PCB design software named altium and coral draw is used to make physical PCB easily so that any participant can make project on his own.



Dr.M.Kathirvelu Prof.&Headevaluating the studentsprojects



PCB fabrication: filmexpose



Participants actively involved inetching process



Participants duringgreenmasking

- IoT Centre, Department of ECE, KPR institute of Engineering and Technology organized a two weeks Internship programme on Applications of Embedded Controllers & IoT from 08-12-2021 to 22-12-2021 in collaboration with Sai Incubation Centre, Coimbatore. The internship was aimed to provide knowledge about embedded controllers including Arduino Nano, Node MCU 8266 and Rasberry Pi. Total of 30 participants attended training and they have completed individual projects using Embedded Controllers along with sensors and actuators.

KPR Institute of Engineering and Technology
Approved by AICTE, Affiliated to Anna University, Chennai
Approved by NISM

Department of Electronics and Communication Engineering

Centre for Internet of Things

offers
Two Weeks Internship
on
Applications of Embedded Controllers & IoT

Resource Persons

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

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

Mr.K.Saravanan
AP(SI.G)ECE,
KPR Institute of Engineering and Technology, Coimbatore.

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: 09.12.2021 to 22.12.2021
Time: 09:00 AM to 04:00 PM
Venue: IoT Centre, ECE Block.

FACULTY PUBLICATIONS

- **Muralidharan**, Jayabalan,E. Srinivas, Francis H. Shajin, P. Rajesh, , “On Reducing Test Data Volume for Circular Scan Architecture Using Modified Shuffled Shepherd Optimization”, Springer, ISSN:1573-0727, December 2021.(**SCIE Indexed**).
- Srinithya G, **Sharmila D**, Logeswari S, Daniel mathan raja S, “Certain Investigations on image segmentation algorithms synthetic aperture radar images and classification using convolution neural network”, Wiley, ISSN:1532-0634, December 2021.(**WoS Indexed**).
- **B.Jaishankar**, Santhosh vishwakarma, Prakash mohan, Adithya kumar singh pundir, Ibrahim patel Arulkumar N, “Blockchain for Securing Healthcare Data Using Squirrel Search Optimization Algorithm”, Tech science press, ISSN:2326-005X, pp.1815-1829, December2021.(**SCIE Indexed**).
- J.Haritha, Valarmathi S, **M kalamani**, “Soil urea analysis using mid-infrared spectroscopy and machine learning”, Tech science press, ISSN:2326-005X, pp.1867-1880, December 2021.(**Scopus Indexed**).

FACULTY AS RESOURCE SPEAKER

- Dr.M.Kathirvelu, Professor& Head,Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a NASA Kit Distribution Ceremony conducted by Sri Chaitanya School on 08.12.2021.



- Mr.S.Satheesh kumar, Assistant Professor (Sr.G), Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a AICTE-ISTE Sponsored Refresher Programme on Neuromorphic Computing for AI conducted by KPR Institute of Engineering and Technology on 29.12.2021.
- Ms.A.Reethika Assistant Professor, Department of ECE, KPR Institute of Engineering and Technology was designated as an evaluator for “29th National children’s science congress-2021” conducted by Forest college and research institute, Coimbatore on 28-12-2021.
- Dr.S.Kirubakaran, Assistant Professor(Sl.G), Mr.G.K.Jakir Hussain, Assistant Professor(Sl.G), Mr.K.Saravanan, Assistant professor(Sr.G), Department of ECE, KPR Institute of Engineering and Technology was designated as resource person for a two weeks internship on “Applications of embedded controllers & IoT”, conducted by KPR Institute of Engineering and Technology, 08-12-2021 to 22.12.2021

PHD COMPLETED STATUS

S.No	Name of the Scholar	Title of Thesis	Research Centre- Institute Name & University Name	Date of viva voice	Name of the Supervisor with Designation & Institute Name
1	Mr.J.Ramprasth, Assistant Professor, Dr. Mahalingam College of Engineering and Technology	Certain Investigation on Secure Access of Resource in Software Defined Networks	KPRIET & Anna University	1.12.2021	Dr.V.Seethalaksh mi/ASP/ECE/KPR IET

FACULTY PARTICIPATION

Name of the Faculty	Title of FDP/STTP/OFDP	Organization Name	Start Date	End Date
Dr.S.M.Ramesh	Industrial Applications Machine Learning and Deep Learning	VIT University, Chennai	07-12-2021	11-12-2021
Dr.S.M.Ramesh	Application of AI in Digital Histopathology	National Institute of Technology Karnataka, Surathkal	13-12-2021	17-12-2021

STUDENT PARTICIPATION

S.No	Event Name	No of students participated
1	Online course	23
2	Value added course	9
3	Contest (Quiz, Coding Contest, club events, etc.)	6
4	Conference paper presentation	1
5	Internship	27
6	Project Presentation	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	Vinayakrishna.S	II-C	Circuit Debugging	KPR Institute of Engineering and Technology	Second
2	Sugin M	II-C	Circuit Debugging	KPR Institute of Engineering and Technology	Second

PLACEMENT DETAILS 01.12.2021 to 31.12.2021

S.No	Name of the Student	Name of the Company
1	Avinash G	Aptean
2	Indudarshini M	Aptean
3	Nithisree B	Aptean
4	AnbuDumba Kumar S	Aptean
5	Mounika K	Aptean
6	Mathumitha C	HCL
7	Nithisree B	HCL
8	Rubesh A	Netcon
9	Aishwarya R	Netcon
10	Praveen R	Netcon
11	AnbuDumba Kumar S	Netcon
12	Mounika K	HCL

Total Number of students Placed:100

Total Number of Companies Visited:32

IIPC ACTIVITIES

INDUSTRY VISIT

- Visited Lumen Systems and New Qbitronics Embedded for PCB consultancy initiatives.
- Visited Pioneer Circuits regarding student internship.
- Visited Wireline Solutions India Pvt. Ltd. regarding student internship.

INTERNSHIP

- 171 students from II year undergone internship at various companies from 06/12/2021 to 18/12/2021.
- 24 faculty completed internship at various companies during December 2021.

STUDENT INTERNSHIP

S.No.	Name of the Industry	Total No. of students	Duration
1	ECI Systems, Coimbatore	4	06/12/2021 – 18/12/2021
2	Enthu Technology Solutions, Coimbatore	31	06/12/2021 – 18/12/2021
3	Centre of IoT, KPRIET	26	06/12/2021 – 18/12/2021
4	Instruments India, Coimbatore	7	06/12/2021 – 18/12/2021
5	KPR Incubation Centre, Coimbatore	2	06/12/2021 – 18/12/2021
6	Pioneer Cirrcuits, Coimbatore	16	06/12/2021 – 18/12/2021
7	RS Power Systems, Coimbatore	4	06/12/2021 – 18/12/2021
8	S&G Innovators, Coimbatore	1	06/12/2021 – 18/12/2021
9	Sanjith Controls, Coimbatore	8	06/12/2021 – 18/12/2021
10	SJ Engineering, Coimbatore	26	06/12/2021 – 18/12/2021
11	Sunshiv Electronic Solutions, Coimbatore	29	06/12/2021 – 18/12/2021
12	VACT Technologies	10	06/12/2021 – 18/12/2021
13	Wireline India Solutions Pvt. Ltd., Coimbatore	2	06/12/2021 – 18/12/2021

FACULTY INTERNSHIP

S. No.	Name of the Industry	Total No. of faculty	Duration
1	Enthu Technology Solutions	05	01/12/2021 – 07/12/2021
2	Sai Incubation Centre	02	23/11/2021 – 29/11/2021
3	Caliber Interconnect Solutions	03	01/12/2021 – 07/12/2021
4	Entuple Technologies	02	01/12/2021 – 29/12/2021
5	Wireline India Solutions Pvt. Ltd.	02	01/12/2021 – 07/12/2021
6	SJ Engineering	07	29/11/2021 – 17/12/2021
7	ZF Wind Power	01	01/12/2021 – 08/12/2021

PHOTO GALLERY





EXECUTIVE DEVELOPMENT PROGRAM

- Ms.S.Chandraprabha, Assistant Professor, Department of ECE, KPRIET, handled a session on Artificial Intelligence on 27/12/2021 for the employees of ZF Wind Power, Coimbatore.

The image shows the cover of a brochure for an Executive Development Programme. The cover is white with a blue border and features the following elements:

- Logos:** KPR Institute of Engineering and Technology (KPR), Department of Electronics and Communication Engineering, and ZF.
- Text:** "KPR Institute of Engineering and Technology", "Department of Electronics and Communication Engineering", "Executive Development Programme on Artificial Intelligence & Machine Learning for ZF Wind Power Coimbatore Pvt Ltd", "Resource Person", "Chandraprabha S", "Assistant Professor / ECE".
- Image:** A portrait of Chandraprabha S, the resource person.
- Accreditation:** "Approved by NLSA".
- Footer:** "SUSTAINABLE DEVELOPMENT GOALS" logo.