KPR Institute of Engineering and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407

LEARN BEYOND

Department of Electronics and Communication Engineering
(Accredited by NBA)

NEWSLETTER- JUNE 2023 ISSUE

EDITORIAL BOARD

➢ 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.

EVENT ORGANIZED

➢ The Arduino Internship is a dynamic program that provides students with the opportunity to dive into the fascinating world of Arduino microcontroller programming and applications. This internship is designed to empower participants with the skills and knowledge necessary to innovate and create technological solutions using the Arduino platform, an open-source ecosystem widely used for prototyping and development. Throughout the internship, students embark on a hands-on learning journey that combines theoretical concepts with practical application. The program typically spans 6 to 12 weeks, allowing participants to fully immerse themselves in the Arduino ecosystem and gain a comprehensive understanding of its capabilities. Overall, the Arduino Internship offers a unique and enriching opportunity for students to explore the limitless possibilities of Arduino. By combining theoretical knowledge with hands-on projects, this internship paves the way for students to become proficient in Arduino programming, circuit design, and project development. It opens doors to exciting career prospects in technology, innovation, and engineering, empowering students to make a positive impact in the world through their creativity and technical expertise.

FACULTY PUBLICATIONS

➢ Arun Sekar Rajasekaran, & M. Azees. (2023). A fog-based anonymous authentication scheme with location privacy for Wireless Body Area Network with FPGA implementation. *International Journal of Information Security*. https://doi.org/10.1007/s10207-023-00717-8.

FACULTY AS RESOURCE SPEAKER

➢ Dr.M.Kalamani, Professor, Ms.S.Priyadharsini , Assistant Professor (Sr.G) , Department of ECE, KPR Institute of Engineering and Technology as resource person for Two Weeks Internship program" PCB and IoT Programming" organised by KPR Institute of Engineering and Technology on 19.06.2023 to 03.07.2023.

FACULTY PARTICIPATION

Name of the Faculty	Title of FDP/STTP/OFDP/ Conference/Online Course	Organization Name	Start Date	End Date
Dr.S.M.Ramesh	Design of Improved Gain Novel Rectangular Microstrip Patch Antenna using RT-Duroid 5880 substrate and performance analysis with the antenna based on Duroid 6010 substrate for S-band Applications	Hindusthan College of Engineering and Technology	16/06/2023	16/06/2023
Dr.K.S.Tamilselvan	Fruits Freshness Recognition System by Manipulating Versatile Neural Networks	Bannari Amman Institute of Technology	15/06/2023	15/06/2023
Dr.K.Kalirajan	Highly Secure Approximate Adiabatic Logic For Error Tolerant Applications	Narasu's Sarathy Institute of Technology	19/06/2023	19/06/2023
Dr.K.Kalirajan	ATM Assisting Device for Secure Transactions GSM Technology Using	Narasu's Institute of Technology	20/06/2023	20/06/2023
Ms.S.Suganyadevi	An Effective Framework for Detecting Epileptic Seizures using CNN and Encrypted EEG Signals	Hindusthan College of Engineering and Technology	14/06/2023	14/06/2023
Mr.S.Satheesh kumar	Indo-US VAJRA Course on "Fundamentals of Electromagnetics"	National Institute of Technology Silchar, Jawaharlal Nehru University Delhi, and California State & University Northridge in Association with IEEE Kolkata Section Antennas and Propagation Society & Joint Chapter-Silchar and IEEE Silchar Subsection	6/12/2023	6/16/0203

Dr+.M.Kalamani	Multimodal Image Fusion and its Application	VIT, Chennai	5/29/2023	5/31/2023
Dr.R.Jaikumar	Arduino Programming and Interfacing	Udemy	3/1/2023	6/19/2023
Dr.R.Jaikumar	ESP and Internet of things for absolute beginners	Udemy	4/1/2023	6/19/2023
Dr.R.Jaikumar	A complete course on IoT system -Design and Development	Udemy	6/1/2023	6/19/2023
Dr.R.Jaikumar	Raspberry Pi for the beginners	Udemy	6/1/2023	6/19/2023

FACULTY PUBLICATION

- **J.Indra,** R.Kirubashankar, R.Devipriya, " Speech Emotion Recognition using Support Vector Machine and Linear Discriminant Anslysis", LNNS, Volume 715

STUDENT PARTICIPATION

S.No	Event Name	No of students participated
1	Online course	Nil
2	workshop	Nil
3	Contest (Quiz, Coding Contest, club events, etc.)	Nil
4	Paper presentation	Nil
5	Internship	Nil
6	Project Presentation	01
7	NSS, YRC activities	Nil

STUDENT ACHIEVEMENT

S.No	Name of the Student	Year	Title of the Event	Organized by (Name of College and Club)	Prize - Merit Position

1.	Balaji P	III -A	Coimbatore District Karate Championship	SNS Educational Institutions HA Club U21Yrs Male-75 Kg	First Prize
2.	Balaji P	III -A	Coimbatore District Karate Championship	SNS Educational Institutions HA Club Senoir male – 75 Kg	Second Prize

PLACEMENT ACTIVITIES

S.No	Name of the Student	Name of the Company
1	Elayabharathi K	Hexaware Technologies
2	Anitha B	Hexaware Technologies
3	Gokulnath E	Hexaware Technologies
4	Varun PR	Hexaware Technologies
5	Hemanth Kumar MS	Hexaware Technologies
6	Anand Karthick	Hexaware Technologies
7	Ashwath Kumaran T	Mallow Technologies

IIPC ACTIVITIES

INDUSTRY VISITS

➢ Dr.K.S.Tamilselvan visited M/s.Scannerr Electro Lab on 08/06/2023 and discussed about student internship and scope for consultancy activities in automation works
➢ Dr.K.S.Tamilselvan visited M/s.Fulfill Electric corporation 15/06/2023 and discussed about faculty training, student internship and consultancy activities.
➢ Dr.K.S.Tamilselvan visited M/s. Wizaard systems on 15/06/2023 and discussed about internship for PG VLSI students and various consultancy projects.

CONSULTANCY ACTIVITIES

➤ Dr.M.Kaklamani, Dr.R.Jaikumar, Ms.S.Priyadharshini and Ms.S.Gunanandhini completed consultancy project on "Design and Development of Learning Management platform for V-Guard Industries, Perundurai of worth Rs.23, 949.

PLACEMENTS

➤ Mr. K.Thangakrishnan, CEO of K-Tex Automations, Coimbatore interacted with I year ECE students regarding core industry placements and internship.