



KPR Institute of Engineering
and Technology

(Autonomous)

Avinashi Road, Arasur, Coimbatore - 641 407

Department of Electronics and Communication Engineering
(Accredited by NBA)

NEWSLETTER - MAY 2023 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 instil 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 facilitate 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.

FACULTY PUBLICATIONS

- **Kambatty Bojan Gurumoorthy**, Arun Sekar Rajasekaran, **Kalirajan K**, Samydurai Gopinath, Fadi Al-Turjman, Manjur Kolhar, & Chadi Altrjman. (2023). Wearable sensor data classification for identifying missing transmission sequence using tree learning. *Sensors*, 23(10), 4924. <https://doi.org/10.3390/s23104924>.
- Nithyapriya S, Keerthika J, Tamizh R Kuzhali, **Saranya M D**, Revathi P, & Daniya T. (2022). Meta learning based pneumonia detection using stacking ensemble of CNN Snapshots. *2022 IEEE North Karnataka Subsection Flagship International Conference (NKCon)*. <https://doi.org/10.1109/nkcon56289.2022.10126658>

PATENT DETAILS

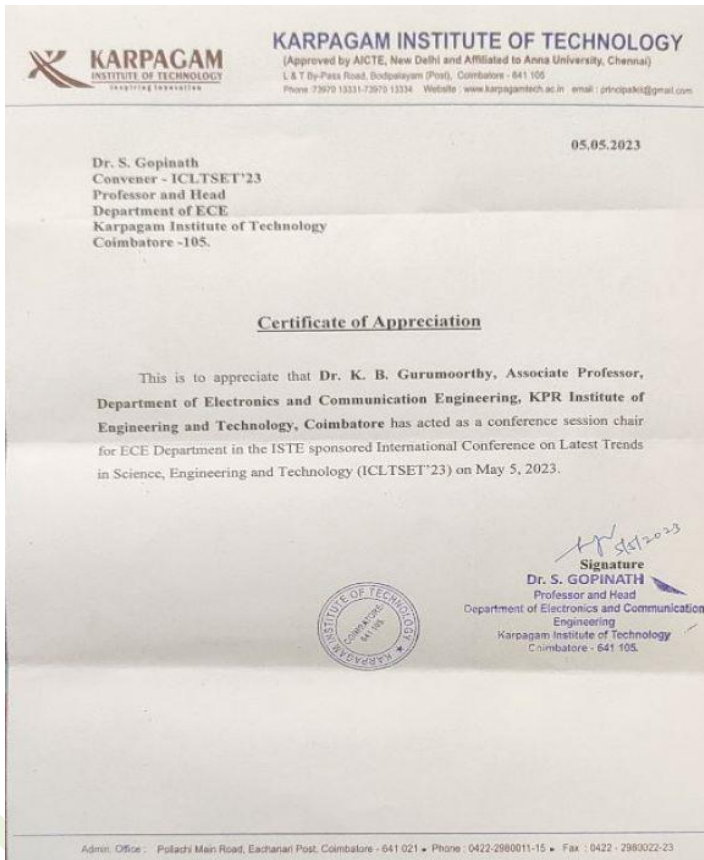
S. No.	Application number	Title of the product	Name of the Applicant	Status
1	202341027045	Health Monitoring Device for Dairy cows using IoT	1.Dr.R.Naresh 2.Dr.C.N.Vinoth kumar 3.Dr.Sajeev ram Aarumugam 4. Dr.M.Vasim babu 5.Mrs.V.Kalaivani 6.Mrs.Sudha D 7.Mrs.Gomathi V 8.Mrs.Aishwarya 9.Ms.S.Preethi Parameswari 10.Dr.U.Padmavathi	Published
2	364450-001	Battery Operated Portable Coffee Maker	1.Dr. V Sivakumar 2.Mr. Gaurav Kumar Arora 3. Dr S.M Ramesh 4.Col.(DR.)InderJeet Singh	Published

FACULTY AS RESOURCE SPEAKER

- Dr.M.Kalamani, Professor, Department of ECE, KPR Institute of Engineering and Technology as resource person for FDP program“Radiological Equipments“ organised by Hindusthan College of Engineering and Technology on 08.05.2023 to 12.05.2023.



- Dr.K.B.Gurumoorthy, Associate Professor Department of ECE, KPR Institute of Engineering and Technology as resource person for Conference session chair “Latest Trends in Science,Engineering and Technology“ organised by Karpagam Institute of Technology on 05.05.2023



- Dr.U.S.Ragupathy, Professor Department of ECE, KPR Institute of Engineering and Technology as resource person for expert talk “ NBA Documentation procedures for placement,Higher studies and Entrepreneurship“ organised by KPR Institute of Engineering and Technology on 16.05.2023.

EXPERT TALK
 on
NBA DOCUMENTATION PROCEDURES FOR PLACEMENT, HIGHER STUDIES AND ENTREPRENEURSHIP



16/05/2023 | 9:30 AM
 VENUE: 360 DEGREE HALL,
 CDC

Career Development Centre

SPEAKER

Dr.U. S. Ragupathy,
 Director-Quality Assurance
 KPRIET



FACULTY PARTICIPATION

Name of the Faculty	Title of FDP/STTP/OFPD/Conference/Online Course	Organization Name	Start Date	End Date
Dr.J.Muralidharan	Detecting the Oxygen Saturation Level and Heart Rate using Max30100 Sensor	Vellore Institute of Technology	5/6/2023	5/6/2023
Mr.G.K.Jakir Hussain	Federated Learning Against Adversarial Attacks for Face Detection	Study World College of Engineering	5/6/2023	5/6/2023
Ms.S.Suganyadevi	Tomato leaf disease detection through machine learning based parallel convolutional neural networks	Vaigai College of Engineering,	5/19/2023	5/19/2023

Ms.S.Priyadharsini	Raspberry Pi Bootcamp : For the Beginner	Udemy	5/3/2023	5/3/2023
Dr.J.Muralidharan	Basic Static Timing Analysis v2.0	Cadence	5/1/2023	5/2/2023
Dr.J.Muralidharan	Simscape Onramp	MATLAB	5/6/2023	5/8/2023
Dr.J.Muralidharan	Simulink Onramp	MATLAB	5/4/2023	5/5/2023
Dr S M Ramesh	13 th International Conference on Science and Innovative Engineering 2023	Jawahar Engineering College, Chennai	14/05/2023	14/05/2023

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.	1.Aswin M 2. Abhiee Prietheiv S 3.Arun K 4.Dharshana K 5.Jaswanthika S	III Year	Shurjana'23	L & T Edutech,Chennai	First prize with 1 Lakh cash

IIPC ACTIVITIES

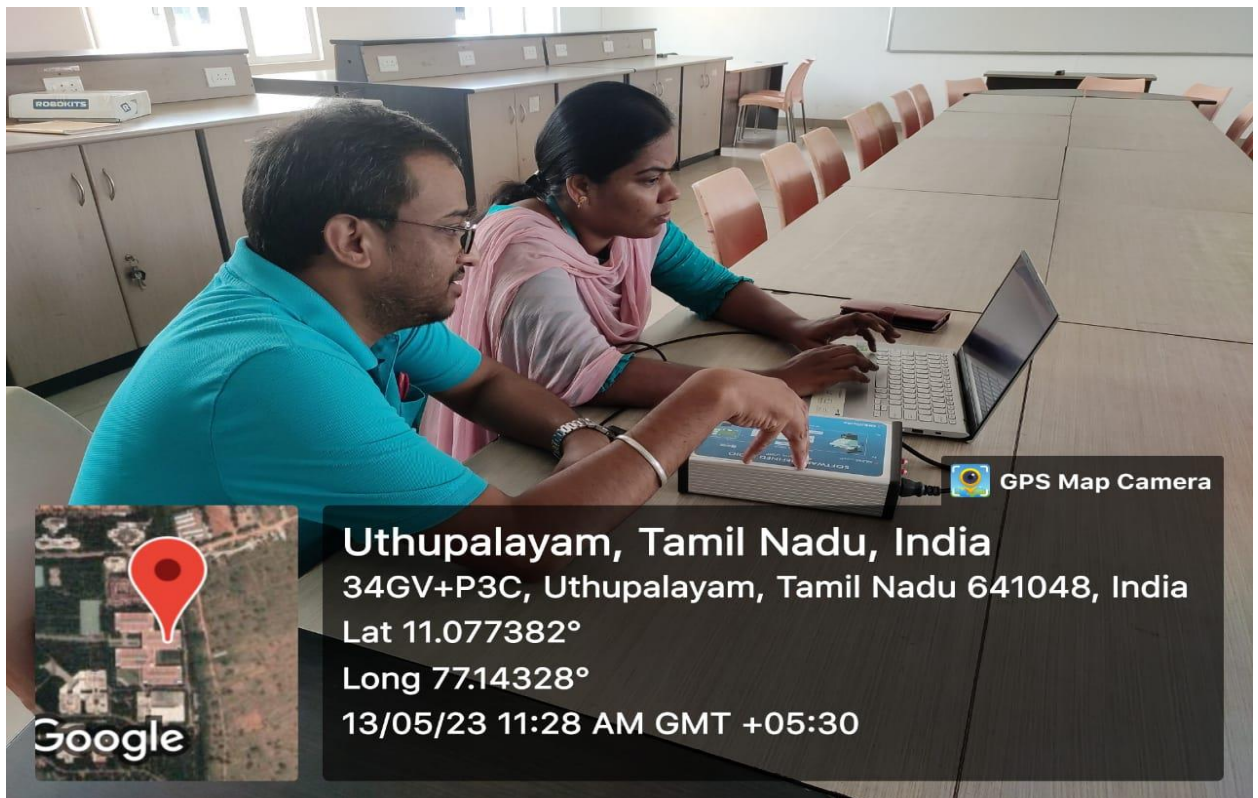
INDUSTRY VISITS

- Mr.T.Jagadesh visited Brinn Tech on 10/05/2023 and discussed about student internship and scope for consultancy activities in PCB.
- Mr.T. Jagadesh visited i6 Techlabs Private Limited on 10/05/2023 and discussed about student internship for Mechanical Engineering students'.
- Dr.M. Kalamani, Dr.R. Jaikumar, Ms.S. Priyadharsini visited Karan Windings on 19/05/2023 and discussed about various consultancy projects.



CONSULTANCY ACTIVITIES

- Dr.K.B. Gurumoorthy and Dr.S.Nithya completed consultancy project on “Software-Defined Radio Module with frequency range upto 3.5 GHz” from Mighty Electronics Equipments Corporation, Coimbatore of worth Rs.1,11,245.
- Dr.K. Saravanan and Mr.T. Venkatesh completed consultancy project on PCB fabrication from Chip Crafts, Coimbatore of worth Rs.28,000.



PLACEMENTS

- Mr. Hemanand Ramasamy, CEO- Mach Datum Private Limited interacted with III year ECE students regarding internship.

FIELD VISIT

- I ECE –A&B students visited Signal and Telecommunication workshop on 18/05/2023 & 19/05/2023 along with Dr.K.S. Tamilselvan and Mr.T. Jagadesh



