

Department of Biomedical Engineering  
KPR Institute of Engineering and Technology



# KPR Institute of Engineering and Technology

Arasur, Coimbatore - 641407

www.kpriet.ac.in T: 0422-2635600

“We are Engineers for Doctors”

Biomedical Engineering is one of the premier Engineering disciplines among technocrats since it merges Healthcare Technology with Electronics and Software technologies including Artificial Intelligence, Machine Learning, Robotics in Medicine, Bioinformatics, Prosthetic Engineering etc. to serve better to the human community with advance and continuously upgrading technologies. In KPRIET, we nourish our students with advance laboratories like Bio-signal processing, Diagnostics and Therapeutic Equipment, Human Anatomy and Physiology, Biomedical Instrumentation to learn by practicing. Hospital training and internship are arranged with leading multispecialty hospitals and biomedical industries to facilitate the students for better career. Research activities are vibrant with publications and patents in the recent trends.

**Dr. D. Ganesh kumar HoD/BME**

## Highlights of this month

**Guest Lecture on 06.04.2024 titled  
“Wellness and Fitness”**

**Students’ Achievements**

**Faculty Contribution**

**Monthly Newsletter: Department of Biomedical Engineering**

# EDITORIAL BOARD

---

## CHIEF PATRON

Sri. K. P. Ramasamy, Chairman, KPRIET

## PATRON

Dr. D. Saravanan, Principal, KPRIET

## PRESIDENT

Dr. D. Ganesh kumar, HoD/BME, KPRIET

## FACULTY COORDINATOR

Mr. R. Krishna kumar, AP/BME, KPRIET

## EDITORS

Ms. R S Padma Hari – II BME

Mr. Rahul Kumar Yadav – II BME

Ms. V G Suvega – II BME

Ms. R. Kaviyah – III BME

Mr. D. Sharan – III BME

Ms. P Pavithra - III BME



## About KPRIET

KPR Institute of Engineering and Technology (KPRIET), founded by Dr. K. P. Ramasamy, is one of the leading institutions of academic excellence by imparting technical, intellectual and professional skills to students. The Institution is ranked 100-150 band by NIRF. The institute, with its diverse and energetic community of students offers a distinguishing blend of some of the premium graduate, undergraduate and research programs, talented faculty, world class amenities and a residential campus set on a sprawling 150 acres of lush green campus.

While students at KPRIET immerse themselves in academics, the institute has a lot in store for them outside the classroom. Student life includes participation in sports, co-curricular activities and cultural. In short, at KPRIET, students will find an academic and social environment where everyone- from faculty members to peer's support shape their future. KPRIET is a home to artistically designed buildings with state of the-art computer and internet facilities, modern workshops, seminar halls, auditoriums and well stocked libraries, sports and games fields in addition to an indoor badminton court and gymnasium.

KPRIET has a faculty strength of 265 with a faculty student ratio of 1:15. Out of the total, 139 faculty members PhDs. and 95 are in the process of completing their PhDs. As an exemplary institution of learning, KPRIET follows an admission policy that strongly favours merit, even as it enables access to education for students from all strata of society through appropriate scholarships. The Institution boasts of a strong alumni network with alumni events held every year serving as a platform for past students to give back to KPRIET and share their experiences with its present fellow students.

## About the Department

The Department of Biomedical Engineering of KPR Institute of Engineering and Technology, Coimbatore was established in the year 2017 with an annual intake of 60 students. The Department has highly qualified faculty members with Ph. D. and M.E. / M. Tech / M.S. under various specialize such as Biomedical Signal and Image Processing, Medical Electronics, Healthcare Data Analytics, Biomaterials, Regenerative medicine and Nanoscience. The total strength of the faculty members in the Department is thirteen. Out of which, 60% of the faculty Members (9 Faculty) have completed their PhD and four faculty members are pursuing their PhD.

The faculty members contribute to academic development by publishing books / journals, products, patent filing and presenting papers in International and National Conferences. The Department of Biomedical Engineering signed MoUs with the reputed industries like Silicon systems, Aravind Eye Care Hospital, GEM Hospitals, Ganga Medical Center and Hospital, Masonic Medical Centre for children and ALERT (NGO) to bridge the gap between theory and field practices.

The Department also provides an opportunity for students in improving practical knowledge in the field of Biomedical Engineering and Software skills like MATLAB, LabVIEW, Wokwi simulation through Centre of Excellence, in addition to Communication and Presentation skills. The students have to undergo Industrial Training and Industrial Visit to facilitate them to take up industrial live projects to understand the industry needs. The Students from Biomedical Engineering as well as faculty members has membership in various Professional Societies like BMESI and IEEE (EMBS) to gain knowledge through various programs conducted by these bodies across the Nation.

## Vision of the Department

To be the **centre of excellence** for **dissemination of knowledge, research and development** in biomedical engineering to serve **society with moral values**.

## Mission of the Department

The **Mission** of the Department is to

- Impart **value-based education** in biomedical engineering using **modern equipment and tools**.
- Build an **integrated team** of biomedical engineers to foster technologies through **research, development and innovation**.
- Provide **healthcare industries** with solutions imbued **through lifelong learning** with **ethics and moral values**

**Industry visits by the Department during April 2024**

S. No.	Date of Visit	Name of the Industry visited by the faculty
1.	05.04.2024	Eye Foundation Hospital
2.	13.04.2024	Traco Cable Company Ltd
3.	15.04.2024	Ganga Hospital
4.	25.04.2024	Hindusthan Hospital
5.	30.04.2024	Vedanayagam Hospital



**Industry Visit by Faculty with Students to Traco Cables Co Ltd, Cochin, Kerala**

**EVENT - 1****Guest Lecture on WELLNESS AND FITNESS**

On the occasion of World Health Day on 07/04/2024, the Department of Biomedical Engineering in association with the Centre for Staff Development and Career Development Cell organized a Guest Lecture titled 'Wellness & Fitness' on 06/04/2024 at 11.00 AM at 360° Hall, KPRIET. Dr.R.Priyavadhana, MD, DNB,(PMR), DPMR Consultant Psychiatrist & Rehabilitation Incharge, Royal Care Super Speciality Hospital, Coimbatore as the Resource Person, the Event was conducted. In the event, The guest lecture by Dr. R. Priyavadhana, MD, DNB, (PMR), DPMR Consultant Psychiatrist & Rehabilitation Incharge, was an enlightening and informative session that delved into various aspects of wellness and fitness. Dr. Priyavadhana's expertise and experience in the field were evident throughout the talk, making it a valuable experience for all attendees. The lecture covered a wide range of topics related to daily routine activities, daily exercises, and the importance of a power nap in maintaining overall health and fitness. Dr. Priyavadhana provided practical tips and insights on how to incorporate these elements into our daily lives, emphasizing the significance of consistency and balance. One of the highlights of the talk was Dr. Priyavadhana's emphasis on the holistic approach to wellness, addressing not only physical fitness but also mental and emotional well-being. This comprehensive perspective resonated well with the audience and sparked meaningful discussions on how to achieve a balanced lifestyle. Overall, the event received positive feedback from attendees, who appreciated Dr. Priyavadhana's expertise, engaging presentation style, and the practical advice shared during the lecture. The insights gained from the session will undoubtedly inspire individuals to make positive changes in their daily routines to enhance their overall wellness and fitness levels.



**KPR Institute of Engineering and Technology**  
 (Approved by AICTE)

DEPARTMENT OF BIOMEDICAL ENGINEERING  
 IN ASSOCIATION WITH  
 CENTRE FOR STAFF DEVELOPMENT  
 AND  
 CAREER DEVELOPMENT CELL  
 ORGANIZES  
 GUEST LECTURE  
 ON  
**Wellness & Fitness**

11.00 AM TO 11.45 AM  
 06.04.2024 (Saturday)  
 360° Hall, KPRIET

**Guest Speaker**  
**Dr. R. Priyavadhana, MD, DNB,**  
**(PMR), DPMR**  
 Consultant Psychiatrist &  
 Rehabilitation Incharge,  
 Royal Care Super Speciality Hospital,  
 Coimbatore.

EVENT COORDINATORS  
 Mr. R Krishna Kumar, AP/BME  
 Dr. N. Rajasingam, AP/SLGI BME

kpriet.edu.in | KPRIETonline



### Students' Achievements – Technical / Non-Technical/Sports

S. No.	Name of the Student	Year	Detail about the Achievement
1.	Ms. KAVI PRIYA D Ms. NAVEENAA S Ms. VARNIKA M	III	Won III Prize in AARAMBH 2.0 IDEA PITCHING COMPETITION at IIT Palakkad
2.	Mr. SAALIH SULTHAN		Won III prize in Football on SPORTS DAY 2024 at KPR Institute of Engineering and Technology, Coimbatore
3.	Mr. KARUPPASAMY M		Won III Prize in National level Project Presentation at Study World College of Engineering and Technology, Coimbatore
4.	Mr. ABINASH NAND DAS	II	Best Student Volunteer in Social Community Service on Vruksham'24 at KPR Institute of Engineering and Technology, Coimbatore
5.	Mr. BISHNU THAKUR		Academic Topper Award on Vruksham'24 at KPR Institute of Engineering and Technology, Coimbatore
6.	Ms. DHARANI K		Won Third Place in Online Quiz Competition "Brain Buffet" organized by Women in Engineering Society, IEE Student Branch at Jeppiaar Engineering College on Collaboration with IEEE MAS SIGHT and IEEE Young Professionals

### Faculty Contribution

S.No.	Name of the Faculty member	Contribution
1.	Dr. P. Sreelatha, Professor/BM	Distinguished Professor Award 2024 by Institute of Researchers (inres)
2.	Dr. P. Arunkumar, AP(Sr. G)/BM	Best Faculty Award on Vruksham'24 at KPR Institute of Engineering and Technology, Coimbatore



## Gallery



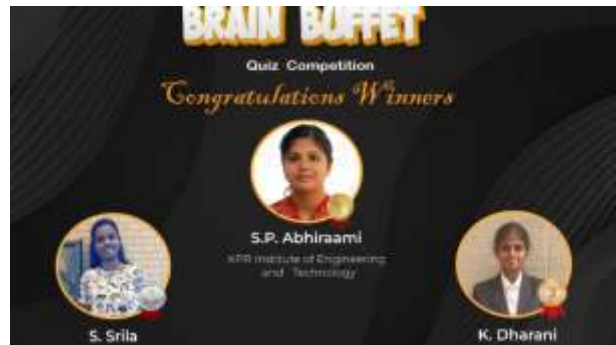
Ms. KAVI PRIYA D, Ms. NAVEENAA S,  
Ms. VARNIKA M – III BM



Mr. SAALIH SULTHAN – III BM



Mr. ABINASH NAND DAS – II BM



Ms. DHARANI K