

Department of Biomedical Engineering
KPR Institute of Engineering and Technology



KPR Institute of Engineering and Technology

Arasur, Coimbatore - 641407

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Highlights of this month

"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

**Event -1
Alumni Interaction**

**Event – 2
Webinar**

Students' achievements

Faculty Contribution

Monthly Newsletter: Department of Biomedical Engineering

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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 264 with a faculty student ratio of 1:16. 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 (8 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**

**LIST OF EVENTS / PROGRAMS CONDUCTED
DURING JULY 2023-24**

S. No.	Date	Type of Event / Program	Title of the Event
1.	01.07.2023	Alumni Interaction	Zifo RnD – Interview Preparations
2.	28.07.2023	Webinar	LIBRARY LUXE: Unleashing the central library's abundant resources

Industry visits by the Department

S. No	Date of Visit	Name of the Industry visited by the faculty during July 2023
1.	25.07.2023	Faraday Ozone, Coimbatore
2.	28.07.2023	MedCuore Medical Solutions, Chennai
3.	29.07.2023	Rayone Biomed, Chennai

EVENT - 1

SEMINAR ON STRATEGIES FOR WRITING AN EFFECTIVE FUNDED RESEARCH PROPOSAL AND HIGH-QUALITY RESEARCH PAPERS

Centre for Research and Development in association with Department of Biomedical Engineering had organized a Seminar on STRATEGIES FOR WRITING AN EFFECTIVE FUNDED RESEARCH PROPOSAL AND HIGH-QUALITY RESEARCH PAPERS. About the guest speaker, Dr. J Sivaraman, has completed his postdoc under the National Post-Doctoral Fellowship [2017-2019] from DST-SERB, Government of India. He is currently working as an assistant professor in the Department of Biotechnology & Medical Engineering at the National Institute of Technology, Rourkela, Odisha. Sivaraman has undertaken several sponsored projects and published articles in well-known journals such as ResearchGate, Elsevier, and the American Scientific Publisher. He also serves as a reviewer for prestigious journals including IEEE Journal of Biomedical and Health Informatics, International Journal for Light and Electron Optics, and Journal of Experimental & Theoretical Artificial Intelligence. In addition, he holds memberships in several societies, including: Indian Society for Technical Education (ISTE) - Life Member International Society of Electrocardiology (ISE) - Life Member Biomedical Engineering Society of India (BMESI) - Life Member International Society for Heart Research (ISHR) - Life Member Engineering in Medicine and Biology Society (EMBS) - Member Society for Biomaterials & Artificial Organs India (SBAOI) - Life Member With all these accomplishments, let us begin this seminar with an open mind and a willingness to learn. I hope that by the end of this seminar, each and every one of you will have gained a deeper understanding of writing a research paper.



KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")

Department of Biomedical Engineering

Great Place to Work Certified

In Association with Centre for Research and Development
Organizes a Seminar on

Strategies for writing effective funded research proposals and high-quality research papers.

 Dr. J. Sivaraman
Assistant Professor
Bio-signals & Medical Instrumentation Laboratory
Department of Biotechnology & Medical Engineering
National Institute of Technology Rourkela, Odisha

Date: 27.06.2023
Time: 10.30 AM - 12.30 PM

Thanam Hall

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EVENT - 2

WEBINAR ON LIBRARY LUXE: UNLEASHING THE CENTRAL LIBRARY'S ABUNDANT RESOURCES

In the pursuit of fostering a culture of enriched learning for the academic year 2022-2023, the Department of Biomedical Engineering, in collaboration with the Central Library, has organized a special session titled 'Library Luxe: Unleashing the Central Library's Abundant Resources.' This session aimed to acquaint students with the vast array of resources and services offered by the central library. The session was honored by Mr. M. Jawahar, the esteemed Librarian of the Central Library at KPR Institute of Engineering and Technology, Arasur, Coimbatore, as our guest speaker. Mr. Jawahar's dedicated efforts have been instrumental in ensuring the seamless and extensive functioning of the central library at KPRIET. The session 'Library Luxe: Unleashing the Central Library's Abundant Resources' saw enthusiastic participation from students of the 3rd and 4th year across various departments in the institution. The session proved to be a valuable platform for students to discover the wealth of knowledge available at the central library and inspired them to make the most of its offerings for their academic and research endeavors. The event successfully fostered a spirit of continuous learning and instilled a sense of appreciation for the central library's role as an indispensable resource hub within the institution.

KPR Institute of Engineering and Technology
Department of Biomedical Engineering

in Association with Central Library
Organizes

Library Luxe: Unleashing the Central Library's Abundant Resources

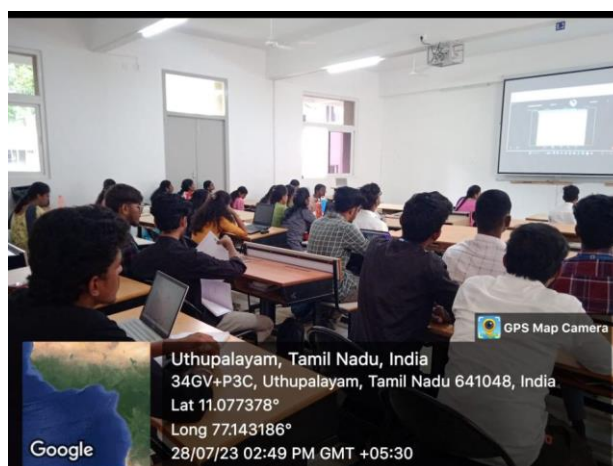
Mr. M. Jawahar
Librarian, Central Library,
KPR Institute of Engineering and Technology,
Arasur, Coimbatore

Link for registration: <https://forms.gle/zUHW3ci9DZsdb78>

Date: 28.07.2023 (Friday)
Time: 2.30 PM – 03.30 PM

Meeting ID: 835 5315 7709
Passcode: 246500

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Faculty Contribution

S. No	Name of the Student	Name of the Event / Program	Achievement
1.	Mr. R. Krishna Kumar	Research Internship	Completed two months Summer Faculty Research Fellowship (SFRF) at IIT Delhi