

About the Course

Department of Biomedical Engineering, TKMIT is organizing a KTU sponsored 5-day Faculty Development Program on Recent Research Trends in Biomedical Engineering. The sessions will be handled by experienced faculties from renowned institutions across India. The topics covered will be the Development of medical devices, Biomaterials, Laser speckle based in vivo measurements, animal evaluation of medical devices, polymeric biomaterials and medical ultrasonics. The FDP will also cover the Internet of Medical Things, Multitrack modular teaching for biomedical engineering and technology transfer through patents.

Who can attend?

Faculty Members of KTU affiliated Colleges

No Registration Fees

Recent Research Trends in Biomedical Engineering

Important Dates:

Closing of Registration: 20th July 2021
Date of Confirmation: 21st July 2021

Register at:

bit.ly/FDP_BM_TKMIT



 Google Meet

Organising Committee

Coordinator:

Dr Unni C, Professor & H.O.D

Conveners:

Ms Vidya G Kaimal, Assoc. Prof
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Dr Nitha V Paniker, Assoc. Prof
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Mr Aswin Raj V, Asst. Prof
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Members:

Ms. Darsana G

Ms. Keerthi Krishna

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Thangal Kunju Musaliar
Institute of Technology

5 Day

Faculty Development Programme

on

Recent Research Trends in Biomedical Engineering

(22-27th July, 2021)

Sponsored by,



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Organized by,

Department of

Biomedical Engineering

TKM Institute of Technology
Musaliar Hills, Karuvelil PO
Ezhukone, Kollam
PIN: 691505

Department of Biomedical Engineering

The Department of Electronics and Biomedical Engineering was started in the year 2007 with an intake of 60 students in the UG programme under cochin university of science and technology. In 2015 the college is affiliated with KTU and continued its program as BTech in Biomedical Engineering. The department provides a platform for building student's practical knowledge through well-equipped laboratories and implant training. The department continues its journey with good academics, student strength, and professional excellence.

Vision

To achieve academic excellence in biomedical engineering by developing engineers with state of the art technological skill and professional ethics, to support the health care needs of society.

Mission

- To provide excellent education to students and prepare them as professionals who can cater to the need of the medical-engineering field with an aspiration for research and higher studies.
- To groom the students as employable bio-medical engineers by furnishing a forum for industry-institute interaction that focuses on the need of the hour.
- To instil social responsibility and professional ethics among the students.

Resource Persons

Dr. Nagesh DS

Scientist G
SCTIMST, Thiruvananthapuram

Dr. Hari Varma

Associate Professor
IIT, Mumbai

Dr. Umashankar PR

Scientist G
SCTIMST, Thiruvananthapuram

Dr. Jose Joseph

Assistant Professor
IIITM-K, Thiruvananthapuram

Dr. Roy Joseph

Scientist G
SCTIMST, Thiruvananthapuram

Dr. Manoj B S

Professor
IIIST, Thiruvananthapuram

Dr. Suhesh Kumar Singh

Assistant Professor
IISER, Thiruvananthapuram

Dr. Renu John

Professor
IIT, Hyderabad

Dr. Lija Arun

Assistant Professor
NSS College of Engineering ,Palakkad

Dr. Nissan Kunju

Assistant Professor
TKMCE, Kollam

Dr. Unni C

Professor
TKMIT

Dr. Nitha V Panicker

Associate Professor
TKMIT

Topics

- Development of Medical Device
- New Developments in Laser Speckle based In-Vivo Blood Flow Measurements
- Animal Evaluation of Medical Devices
- Recent Trends in Medical Ultrasonics
- Polymeric Biomaterials
- Internet of Medical Things
- Multi-Track Modular Teaching for Biomedical Engineering
- Technology Transfer Through Patents
- Research Paper Writing and Publishing
- Scientific Paper Writing using LaTeX Software

APJ Abdul Kalam Technological University

APJ Abdul Kalam Technological University (initially Kerala Technological University), a State Government University, has come into existence on May 21, 2014, with an aim to give leadership to the technology-related policy formulation and Engineering Planning for the state. It also emphasizes improving the academic standards of the Graduate, Post Graduate, and Research Programmes in Engineering Science, Technology and Management and regulates the academic standards of all Colleges affiliated to the University. The main thrust areas of the University are Research, Development, and Innovation.

Thangal Kunju Musaliar Institute of Technology, Kollam

T.K.M. Institute of Technology was established by the T.K.M. College Trust and is located on a verdant 25-acre campus known as Musaliar Hills at Karuvelil, Kollam. The campus is about 23 km from Kollam City and about 3 km from Cheerankavu junction on NH 208, the Kollam - Madurai National Highway. The T.K.M. Institute of Technology started functioning in the year 2002. The institute is approved by AICTE and is affiliated to APJ Abdul Kalam Technological University.

The Institute offers B-Tech programmes in six disciplines namely Biomedical Engineering, Civil Engineering, Computer Science & Engineering, Electrical and Electronics Engineering, Food Technology, Mechanical Engineering and Two Post Graduate programmes in Computer and Information Science, VLSI and Embedded Systems. At TKM IT the whole process of learning is viewed in its holistic form, directed to empowering each individual to become a responsible citizen in keeping with its Founder's foresight to mould today's youth into tomorrow's future.