REGISTRATION FORM

Kongunadu College of Engineering and Technology
(Autonomous)
Faculty Development Programme
on
"Advances in Surgical Robotics and Autonomous Systems: AI-Enabled Technologies, Intelligent Control and Translational Clinical Applications"

Name :
Designation :
Department :
Organization :
Contact Address :

Contact No :
E-Mail ID :

PAYMENT DETAILS

Name of the Bank :
DD No. :
(Or) UPI Transaction ID :
Date of Transaction :

Signature of the Applicant

Signature of Head of Institution with Office seal

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Dr.T.Ashok,HoD/BME, KNCET.
Lifetime Member, BMESI

ORGANIZING SECRETARY

Dr.P. Elamurugan, Prof/BME, KNCET.
Lifetime Member, BMESI

EXECUTIVE MEMBERS

Faculty members of Biomedical Engineering

Faculty Development Programme

on

"Advances in Surgical Robotics and Autonomous Systems: AI-Enabled Technologies, Intelligent Control and Translational Clinical Applications"

Sponsored by
Biomedical Engineering Society of India (BMESI)
21-12-2026 to 26-12-2026

Organized by
Department of Biomedical Engineering

Kongunadu
College of Engineering and Technology
(Autonomous)

Approved by AICTE, New Delhi,
Affiliated to Anna University, Chennai,
Accredited by NAAC,
Accredited by NBA (CSE, ECE, EEE, MECH & ,Civil)
Recognized by UGC with 2(f) & 12(B)
An ISO 9001:2015 certified Institutions.
Namakkal-Trichy Main Road, Thottiam,
Trichy (Dt)-621 215,
Tamilnadu.
Website:**www.kongunadu.ac.in**

ABOUT THE INSTITUTION

Kongunadu College of Engineering and Technology is a self-financing, Autonomous institution established in the year 2007. Approved by AICTE-New Delhi, Affiliated to Anna University-Chennai, Accredited by NBA(CSE, ECE, EEE Mech and Civil) and NAAC, Recognized by UGC with 2(f) & 12(B) and Certified by ISO 9001:2015. The college has 9 Undergraduate Programs (ADS, AGRI, BME, Civil, CSE, ECE, EEE, IT and Mechanical Engineering) and 2 Post Graduate programs (Applied Electronics and CSE). Department of Electronics and Communication Engineering, Mechanical Engineering and Information Technology have been approved as Research Centers for doing Doctoral programmes by Anna University. Students of KNCET are groomed by the Campus to Corporate team in the areas of communication, soft skills and aptitude and life skills to achieve placements in the renowned IT, ITES, Core and Startup companies. The International Cell of the institution assists interested students to catch up abroad placements and studies. This institution has received many awards and recognition from the government and private authorities in the form research grants from AICTE, DST, MSME, Unnat Bharath Abhiyan. It has signed MoUs with Industries, Academic Institutions, Hospitals and R&D Institutions. This institution is known for its outstanding contribution to improve the education of the people by virtue of its discipline, modern infrastructure, library and faculty members.

ABOUT THE DEPARTMENT

The department was established in the year 2020 with a vision to address the prevailing health sector challenges. This four-year degree programme on Biomedical engineering will nurture the young minds with fundamental knowledge of Biological Sciences such as Human Anatomy, Physiology, Pathology and Microbiology. With this the student would also gain knowledge about Electronics, Measurements and Instrumentation to Design, Analyze, Synthesize and such as X-ray, CT, MRI, PET, Ventilators, Pacemakers, Dialyzer to serve the medical community. The students will be guided to have periodical visits to the hospitals for bridging the gap between the class room learning and the real time issues. Prosthetic devices for the physically challenged, Therapeutic equipment to replace the conventional medicines will also be part of the learning to this stream of engineers. This department has a well-established relationship with industrial experts and physicians of different expertise to keep itself updated and live up to the expectations of the contemporary world. The infrastructure provides a very good environment for learning and developing skills in the biomedical field. The department is enriched with well-experienced faculty members and has a conducive lab environment for learning.

ABOUT THE FDP

The objective of this Faculty Development Programme (FDP) is to enrich the knowledge, strengthen technical expertise and enhance the teaching and research competencies of faculty members in the rapidly advancing domain of Surgical Robotics and Autonomous Systems**.** This programme will serve as an effective platform for exploring emerging technologies, exchanging innovative ideas and understanding the transformative role of intelligent systems in modern surgical practices. The FDP will provide comprehensive exposure to AI-enabled surgical robotics, intelligent control and automation, advanced robotic instrumentation, precision motion control, haptic sensing and feedback, computer vision, medical image processing, image-guided surgical navigation and human–robot collaboration. Special emphasis will be placed on the integration of artificial intelligence, machine learning and deep learning techniques for surgical assistance, autonomous decision-making, real-time monitoring and precision interventions. The programme will also highlight recent technological advancements, minimally invasive robotic procedures, clinical applications, safety and reliability considerations, ethical challenges and translational research opportunities. Through expert lectures, interactive technical sessions, practical demonstrations and research-oriented discussions, participants will gain valuable insights into bridging the gap between engineering innovations and clinical requirements. The knowledge, skills and practical insights gained through this FDP will empower faculty members to enrich teaching methodologies, strengthen research capabilities, foster interdisciplinary collaborations and inspire innovative solutions. Ultimately, the programme aims to advance academic excellence, promote responsible technological innovation and contribute to the development of precise, intelligent, safe and accessible surgical technologies for the betterment of healthcare and society.

TOPICS COVERED

- Fundamentals and Evolution of Surgical Robotics
- Artificial Intelligence and Machine Learning in Surgical Robotics
- Autonomous and Semi-Autonomous Surgical Systems
- Intelligent Control, Kinematics and Motion Planning
- Haptic Feedback and Human–Robot Interaction
- Emerging Applications of Surgical Robotics in Healthcare
- Safety, Ethics and Regulatory Frameworks for AI-Enabled Surgical Systems
- Translational Research and Clinical Applications of Surgical Robotics

RESOURCE PERSONS

The resource persons are invited from Reputed Industry & Institutions.

IMPORTANT DATES

Last Date for Registration: 15.12.2026
Intimation of Selection :17.12.2026

REGISTRATION FEE

Research Scholars /Faculty	:Rs.200
PG students	: Rs.150
Industrial Persons	: Rs.250

The Registration fee has to be paid through UPI/ Demand Draft (DD) drawn in favor of

Name	: Kongunadu College of Engineering and Technology
Account Number	: 8390412840
IFSC	: IDIB000M120
MICR NO	: 620019026
Bank	: Indian Bank
Branch	: Meiakkalnaickenpatti
Branch Code	: 01208

NOTE: .

- Selection will be on First Come First Serve basis.
- Certificate will be issued to all the participants who have attended the program with a minimum 80% attendance and a score 60% marks in final assessment.

Registration Link:

https://forms.gle/1EvWxWhuwnwBin529

SCAN ME

ADDRESS FOR COMMUNICATION

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