

BIOMEDICAL ENGINEERING

BUILD YOUR FUTURE HERE

WHY BME @ SRM RAMAPURAM?

- Multidisciplinary education for holistic development.
- Boost employability skills and Better employment opportunities.
- International level foreign language studies.
- Partner institute of Trichy SRM Medical College Hospital & Research Center, and SRM Multi Speciality Hospital (Ramapuram).

REACH US AT:

1800-102-1525

<https://srmrmp.edu.in/.com>

ADMISSION
REGISTRATION
FOR 2021
OPEN

RAMAPURAM



SRM

INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

Core area:

- Pathology & Microbiology
- Biomedical Sensors & Biomechanics
- Biomedical Signals and Systems
- Artificial organs & Tissue Engineering
- Virtual Instrumentation for Biomedical Engineers
- Biomaterials-Tissue interaction
- Medical Instrumentation
- Biomedical Signal Processing
- Neural Networks and Genetic Algorithms
- Artificial Intelligence in Health care
- Medical Image Processing
- Biomedical Equipment's for clinical applications
- Neuro Rehabilitation and Human machine interface
- Machine learning and Deep learning techniques in medicine

Careers:

Biomedical engineers get employed in the industry like (healthcare, medical instrument, biomedical, pharmaceutical), hospitals, research organizations (including CROs), academia, and the government sector.

Core companies:



ABOUT BME:

The Department of Biomedical Engineering (BME) was started in the year 2020. Biomedical Engineering involves the study and application of engineering processes for diagnosis and therapy. It is a rapidly changing interdisciplinary domain, in which each branch of engineering interacts with several other disciplines to yield a fundamental understanding of health maintenance processes and improved diagnosis, optimal interventional (surgical, therapeutic & rehabilitative) procedures, prosthesis and organ assist systems, health care systems performance and econometrics.

BEST PRACTICES

- Model demonstration, video presentations.
- Hospital visits to enhance understanding of anatomy and physiology of the human body.
- Testing of the analog/digital circuits using National Instrument's Multisim software.
- Study of surgical/therapeutic and first aid procedures through medical simulation.
- Live demonstration of portable handheld equipment in the classroom.

LABORATORIES



PARTNER INSTITUTE'S



SRM HOSPITALS

