

## PSG COLLEGE OF TECHNOLOGY

PSG College of Technology, an institution of academic excellence, was founded in the year 1951 by PSG & Sons' Charities Trust. The institution is equipped with latest facilities and excellent infrastructure. The college has signed MoUs with research organizations and industries to promote closer interaction in the areas of technology development, student training, curriculum updation and establishment of state-of-art-centers of excellence. The mission of the institution is to provide world-class engineering education, foster research and development, evolve innovative applications of technology, encourage entrepreneurship and ultimately mould young men and women capable of assuming leadership of the society for the betterment of the country.

## ABOUT THE DEPARTMENT

The Department of Biomedical Engineering was established in the year 2006 with a vision to in depth knowledge in the area of Electronics and Biomedical Engineering as well as professional skills necessary to face the challenges of the future and enable to find innovative applications of Technology for reaching the goal of Health for all in our Country. The department endeavors to educate students to acquire technical expertise and knowledge in the field of Biomedical Engineering to enable them to communicate and use that knowledge constructively for the benefit of the society.

## ABOUT THE WORKSHOP

This training program teaches the fundamentals of electronics, hydraulics and mechanics. Students learn to repair both diagnostic and therapeutic equipment that helps doctors to provide better care to patients. Work in this field is extremely hands-on, and biomedical repair technicians are expected to have an aptitude for troubleshooting and the mechanical problems. The objective of the training program is to integrate & educate students on clinical and technical application of critical care products like patient monitors, syringe pump, infusion pump, pulse oximeter, defibrillator, diathermy, etc., and to transform biomedical engineers to clinical Engineers (fresher into professional). To impart basic technical knowledge, problem solving & troubleshooting knowledge about critical care medical instruments.

## COURSE FEE (Inclusive of Service Tax)

UG/PG Students/ Research Scholars : Rs. 1000/-  
Faculty from academic institution : Rs. 1500/-

The course fee includes course material.

No TA/ DA/ ACCOMMODATION will be provided.

## REGISTRATION FORM

*Hands on Training program on*  
**Biomedical Equipment Maintenance & Troubleshooting**  
**24-25 March, 2023**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Name of the Institution: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Email: \_\_\_\_\_

Mobile: \_\_\_\_\_

## Details of Registration

Amount: \_\_\_\_\_

Transaction ID: \_\_\_\_\_

Transaction Date: \_\_\_\_\_

Bank: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

(Note: Screenshot of the transaction is to be attached with the registration form)

## TOPICS

The Training program will focus on the following areas:

### CLINICAL APPLICATION MODULE

- Cardiovascular Anatomy & Physiology
- Critical Care instruments
- Anaesthesia workstation
- Role of Biomedical Engineers in Critical care

### TECHNICAL APPLICATION MODULE

- Patient Monitors
- Syringe Pump
- Infusion Pump
- Diathermy
- Defibrillator

## RESOURCE PERSONS

Mr. Boopathi Sakthivel  
Founder, CEO-Prashan Medical Technologies,  
Coimbatore-4

## ELIGIBILITY

Faculty members and Research scholars, UG/PG students who wish to improve their research horizons in the field of maintenance and troubleshooting of Biomedical equipment and devices can attend this training program.

## REGISTRATION DETAILS

A maximum of 50 participants are permissible on first come first serve basis. The participants shall pay the Registration Fee through online mode.

## Account Particulars:

Bank Account No: 1481267367  
Name of the Account Holder: PSG Center for Nonformal and Continuing Education  
IFSC Code: CBIN0280913  
Bank Name: Central Bank of India  
Bank Branch Address: Peelamedu, Coimbatore-641004

**Last date** for registration is **20.03.2023**.

The applicants shall send the filled up registration form to the following address

**Dr. B.Padmapriya/ Ms. S. Shrinithi**  
Associate Professor/Assistant Professor  
Department of Biomedical Engineering  
PSG College of Technology  
Peelamedu, Coimbatore 641 004  
Email: [bpp.bme@psgtech.ac.in](mailto:bpp.bme@psgtech.ac.in)/[ssn.bme@psgtech.ac.in](mailto:ssn.bme@psgtech.ac.in)  
Mobile: 9443883109/7397624968

## CHAIRMAN

**Dr. K. Prakasan**  
Principal, PSG College of Technology

## CONVENOR

**Dr. R. Vidhyapriya**  
Professor & Head  
Department of Biomedical Engineering, PSGCT

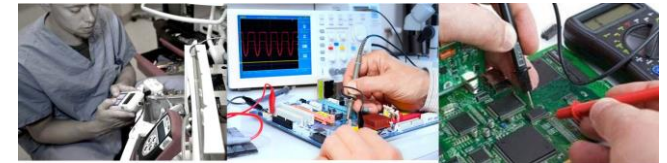
## COORDINATOR(S)

**Dr. B. Padmapriya**  
Associate Professor- BME, PSGCT  
**Ms. S. Shrinithi**  
Assistant Professor- BME, PSGCT

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**COIMBATORE- 641004**

*Hands on Training program on*  
**Biomedical Equipment Maintenance & Troubleshooting**  
**24-25 March, 2023**



Organized by



PSG-TI Centre of Excellence in Medical Electronics

Department of Biomedical Engineering,

PSG College of Technology,

Peelamedu, Coimbatore – 641004.

Tel: 0422-4344777, 2572177

Website: [www.psgtech.edu](http://www.psgtech.edu)