

## 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 workshop teaches the fundamentals of electronics, hydraulics and mechanics. Students learn to repair both diagnostic and therapeutic equipment that helps doctors provide better, more efficient care to patients. Work in this field is extremely hands-on, and biomedical repair technicians are expected to have an aptitude for troubleshooting and fixing mechanical problems. The objective of the workshop 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 about Critical care medical instruments (Fundamental Knowledge & Principles) and to impart problem solving & troubleshooting knowledge about Critical care medical instruments.

## COURSE FEE (Inclusive of Service Tax)

PG Students & Research Scholars : Rs. 1000/-

Faculty from academic institution : Rs. 1500/-

The course fee includes course material and refreshments.

No TA/ DA/ ACCOMMODATION will be provided.

PSG College of Technology  
Coimbatore-641 004

## REGISTRATION FORM

*National level workshop on*

**Biomedical Equipment Maintenance & Troubleshooting**

9-10 February, 2018

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

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

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

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

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

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

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

## Details of Registration

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

DD No. & Date: \_\_\_\_\_

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

Date:

Signature

## TOPICS

The workshop will focus on the following areas:

### CLINICAL APPLICATION MODULE

- Cardiovascular Anatomy & Physiology
- Basic Principle on Critical Care instruments
- Basic Principle on Anaesthesia workstation
- Role of biomedical engineers in Critical care & Expectations on the Engineers from the industry point of view

### TECHNICAL APPLICATION MODULE

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

## RESOURCE PERSONS

1. Mr. Boopathi Sakthivel (Senior Technical service) Schiller Healthcare India Pvt Ltd, Pondicherry
2. Faculty members from Dept of Biomedical Engineering, PSG CT

## ELIGIBILITY

Faculty members and Research scholars/PG students who wish to improve their research horizons in the field of Biomedical Equipment Maintenance and troubleshooting can attend this workshop.

## REGISTRATION DETAILS

A maximum of 30 participants are permissible on first come first serve basis. The participants shall pay the Registration Fee through a **Demand Draft** drawn in favor of **"PSG CNCE"**, payable at Coimbatore on or before 05.02.2018. The applicants shall send the filled up registration form and the demand draft to the following address

### Dr. B.Padmapriya

Associate Professor  
Department of Biomedical Engineering  
PSG College of Technology  
Peelamedu, Coimbatore 641 004  
Email: priyadhileep@yahoo.co.in  
Mobile: 9443883109

## CHAIRMAN

**Dr. R. Rudramoorthy**  
Principal, PSG College of Technology

## CONVENOR

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

## COORDINATOR

**Dr. B. Padmapriya**  
Associate Professor  
Department of Biomedical Engineering, PSGCT

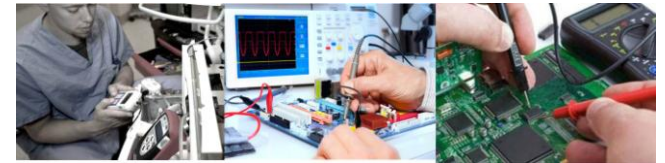
## PSG COLLEGE OF TECHNOLOGY

**COIMBATORE- 641004**

National level workshop on

**Biomedical Equipment Maintenance & Troubleshooting**

9-10 February, 2018



Organized by



Department of Biomedical Engineering,

PSG College of Technology,

Peelamedu, Coimbatore – 641004.

Tel: 0422-4344777, 2572177

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