

## ORGANISING COMMITTEE

### CHAIRMAN

Dr. K.Prakasan  
Principal  
PSG College of Technology

### CONVENOR

Dr. R.Vidhyapriya  
Professor & Head  
Department of Biomedical Engineering  
PSG College of Technology

### COORDINATOR

Dr. Sangeetha M.S  
Assistant Professor (Selection Grade),  
Department of Biomedical Engineering  
PSG College of Technology

*National Level Workshop on*  
**Modeling and Simulation for  
Biomedical Applications**

December 8-9, 2023

### REGISTRATION

#### Registration Fee (Inclusive of Service Tax):

- UG/PG Students : Rs. 700
- Research Scholars : Rs. 900
- Faculty (academic institution) : Rs. 1100

The course fee includes course material

No TA/ DA/ ACCOMMODATION will be provided.

#### Registration link:

<https://forms.gle/XqTubiqToNZRQjZt8>

#### Mode of Payment:

The registration fee is to be paid through online mode  
Beneficiary name: PSG Center for Non-formal and Continuing Education  
Bank Account No: 1481267367  
IFSC Code CBIN0280913  
Bank Name: Central Bank of India  
Branch Address: Peelamedu,  
Coimbatore-641004.

PSG COLLEGE OF TECHNOLOGY  
COIMBATORE- 641004

*National Level Workshop on*  
**Modeling and Simulation for  
Biomedical Applications**  
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Organized by

Department of Biomedical Engineering,  
**PSG COLLEGE OF TECHNOLOGY**  
Peelamedu, Coimbatore 641004  
Tel: 0422-2572177  
Website: [www.psgtech.edu](http://www.psgtech.edu)

## ABOUT THE INSTITUTION

PSG College of Technology established in 1951, is one of the many educational nurtured by PSG & Sons Charities Trust. The college is Government Aided, Autonomous, ISO 9001: 2015 Certified and Affiliated to Anna University. The institution is equipped with latest facilities and excellent infrastructure. The college offers programmes in Management at UG and PG levels. The institution has strong alumni positions in many educational, industrial and research organizations all over the world base, most of them occupying coveted Science, Engineering and Technology.

## ABOUT THE DEPARTMENT

Department of Biomedical Engineering (BME) became active within PSG Tech in the year 2006 and is a NBA accredited academic department offering an UG programme in Biomedical Engineering. Recognized for its alignment with PSG Institute of Medical Sciences and Research (PSG IMS&R), BME department aims to bring together the interdisciplinary skills of engineers, medical professionals and scientists to solve medical challenges and enhance health at all levels. Our mission is to provide world class education in Biomedical Engineering, foster research and development in Biomedical Engineering, encourage entrepreneurship and mould young men and women to innovate new technologies for health care applications. Hence, we prepare our undergraduates to become future leaders in the field and also to take up challenging careers in industry, research and academia.

## ABOUT THE WORKSHOP

Modeling and simulation are powerful ways of studying systems when direct interaction with the actual system is limited or undesirable. The objective of this workshop is to provide an exposure to Modeling and Simulation techniques based on Finite Element Analysis.

This workshop provides hands on training in developing the model geometries using CAD and simulating the physical phenomenon using software tools. The students will get adequate knowledge on the design optimization of biomedical devices for various applications.

### Topics to be covered:

- Finite element analysis
- Computer Aided Design
- Solid mechanics based applications
- Fluid mechanics based applications
- Simulation of BioMEMS devices.

### Resource persons:

1. Dr.Sangeetha M.S  
Assistant Professor (Sl.Gr),  
Dept. of Biomedical Engg.  
PSG College of Technology
2. Dr.M.Kalayarasan  
Assistant Professor (Sl.Gr),  
Dept. of Mechanical Engg.  
PSG College of Technology

## ELIGIBILITY

Faculty members, Research Scholars, and UG/PG students who wish to improve their knowledge in the field of Computational Biomechanics and Artificial Organs can attend this workshop.

## How to Apply?

Filled up registration along with payment proof to be sent to the coordinator on or before 05.12.2023. As limited number of seats is available, selection of candidates will be on first come first serve basis. The strength is limited to 30 participants. Registration form can also be downloaded from the college website. Registration fee includes course fee and refreshments alone.

**Participants to submit the bonafide certificate issued by Head of Institution.**

### For registration contact:

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Assistant Professor (Sl.Gr)  
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