

REGISTRATION FORM

TEQIP III Sponsored Workshop on

COMPUTATIONAL BIOMECHANICS

13th & 14th September, 2019

Name: _____

Designation: _____

Department: _____

Name of the Institution: _____

Address: _____

Email: _____

Mobile: _____

Details of Registration

Amount: _____

DD No. & Date: _____

Bank: _____

Date: _____

Signature

ORGANISING COMMITTEE

CHAIRMAN

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

CONVENOR

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

COORDINATORS

Mr.K.Umesh
Assistant Professor (Senior Grade),
Department of Biomedical Engineering
PSG College of Technology

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

RESOURCE PERSON

1. Dr.Arockia Rajan A
Professor, Applied Mechanics, IIT Madras
2. Dr.Arul Prakash K
Associate Professor, Applied Mechanics,
IIT Madras
3. Dr.R.Periyasamy
Assistant Professor, I&CE, NIT Trichy
4. Dr.N.Sharmila
Assistant Professor, VIT , Vellore

PSG COLLEGE OF TECHNOLOGY

COIMBATORE- 641004



TEQIP III Sponsored Workshop on
COMPUTATIONAL BIOMECHANICS

13, 14 September 2019



Organized by

**Department of Biomedical
Engineering,**

PSG College of Technology,
Peelamedu, Coimbatore - 641004.

Tel: 0422-4344777, 2572177

Website: www.psgtech.edu

PSG COLLEGE OF TECHNOLOGY

PSG College of Technology, is an ISO 9001:2000 certified institution, located in Coimbatore, India. Established in the year 1951 by the PSG & Sons' Charities Trust (1926), PSG Tech is driven by the vision to make the society better through engineering education, research and innovation. Ranked 29 amongst the biggest and best engineering colleges in the country by NIRF (2018), PSG Tech is home to more than 8500 students enrolled in 15 engineering and technology departments. The college houses more than 505 research scholars enrolled in Ph.D. / MS / M.Tech degrees and is also recognized as QIP center for Postgraduate and Ph.D. programmes. With financial support from MHRD, DST and other agencies, about 49 Centers of Excellence have set up to cater to the needs of current Industrial Research and Consultancy activities. PSG Tech stands as a place with countless opportunities to explore for both the graduates and the faculty.

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

The objective of this workshop is to provide knowledge in the field of Computational Biomechanics. The Computational techniques are being applied to human body to explore the dynamics of movement. From the level of the cells, tissues and organs, computational techniques are applied to study their kinetics and kinematics. It's a broad research field in Biomedical Engineering, which is gaining significant importance. It will be of great benefit to the Research community as it is an interdisciplinary field which is an integration of Biomaterials, Mechanics and Computation. The Experts are having high technical knowledge in this field and would share their expertise in the following topics

TOPICS

- Mechanics of Biomaterials
- Non-linear mechanics
- Solid mechanics
- Fluid mechanics- Cardiovascular system
- Foot pressure measurement in diabetes and elderly people for detection of foot injury and fall risk
- Computational tools for mapping of foot pressure
- Image based computational biomechanics

ELIGIBILITY

Faculty members and Research Scholars who wish to improve their knowledge in the field of Biomedical engineering with a focus on Computer Aided Techniques for Biomedical applications can attend this workshop. A maximum of 30 participants are permissible on first come first serve basis.

How to Apply?

The participants shall pay the Registration Fee through a **Demand Draft** drawn in favour of "PSGCNCE", payable at Coimbatore and should reach the below address on or before 09.09.2019. along with the filled up registration form

Dr. Sangeetha M.S

Assistant Professor (Sr.Gr)

Department of Biomedical Engineering

PSG College of Technology

Peelamedu, Coimbatore 641 004

Email: sangeetms@gmail.com

umeshkuttikrishnan@yahoo.com

Mobile: 9791119482/9380981884

Course Fee:

Faculty/Research Scholar	Rs.500/-
Industry participant	Rs.750/-

The course fee includes working lunch and refreshments. No TA/ DA/ ACCOMMODATION will be provided.