

## REGISTRATION FORM

CSIR

Sponsored Seminar on  
“Recent Advancement in Computational  
Biomechanical Modeling of Joint Mechanics and  
Early Therapeutic Methods For Osteoporosis  
Using Prophylactic Vertebroplasty and  
Kyphoplasty Techniques”  
July 19<sup>th</sup>, 2019

1. Name :
  2. Designation :
  3. Academic Qualification :
  4. Department :
  5. Institution/Industry :
  6. Address :
  7. Mobile :
  8. E-mail ID :
  9. Accommodation Required :YES/NO
- Payment Details
10. DD No & Date :
  11. Amount :
  12. Bank & Branch :

### **DECLARATION**

The above information is true to the best of my knowledge. I agree to abide by rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the coordinator in case I am unable to attend the course.

**Date:**

**Place:**

Signature of the Participant

## **ORGANIZING COMMITTEE**

### CHIEF PATRON

**Thiru. S. S. Kandasamy**  
President, Vellalar Educational Trust

### PATRON

**Thiru. S. D. Chandrasekar**  
Secretary, Vellalar Educational Trust

### PRESIDENT

**Dr. M.Jayaraman, Principal**  
Velalar College of Engineering and Technology.

### VICE PRESIDENTS

**Prof.L.Peter Stanley Bebington**  
Dean (Academics)

**Prof.P.Jayachandar**  
Dean (Student Affairs)

### CONVENER

**Dr.S.Mangai, Professor & Head/BME.**

### COORDINATORS

**Mr.S.Vigneshwaran, Assistant Professor/ BME.**

**Ms.T.Yamuna Rani, Assistant Professor/ BME.**

### **SUBMISSION OF THE REGISTRATION FORM**

Candidates should mail the soft copy of registration form duly filled to [vcetcsir@gmail.com](mailto:vcetcsir@gmail.com) on or before 14.07.2019

Submission of Application : 15.07.2019

Intimation of Selection : 16.07.2019

Confirmation by Participants : 17.07.2019

### **ADDRESS FOR COMMUNICATION**

**Dr.S.Mangai,**  
**Professor & Head,**  
**Department of BioMedical Engineering,**  
**Velalar College of Engineering and Technology,**  
**Thindal, Erode - 638 012, Tamil Nadu.**  
**Mobile no: 9942953419, 9842777847**



CSIR

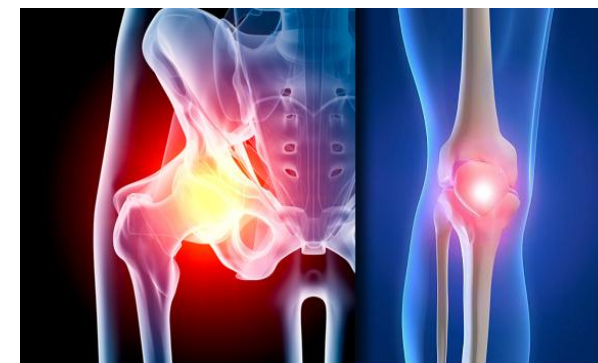
SPONSORED



NATIONAL LEVEL SEMINAR

ON

“RECENT ADVANCEMENT IN  
COMPUTATIONAL BIOMECHANICAL  
MODELING OF JOINT MECHANICS AND  
EARLY THERAPEUTIC METHODS FOR  
OSTEOPOROSIS USING PROPHYLACTIC  
VERTEBROPLASTY AND KYPHOPLASTY  
TECHNIQUES”  
JULY 19<sup>th</sup>, 2019



Organized by

**DEPARTMENT OF BIOMEDICAL  
ENGINEERING**

(Accredited by NBA, New Delhi)

**VELALAR COLLEGE OF ENGINEERING  
AND TECHNOLOGY (Autonomous)**

(Accredited by NAAC with ‘A’ Grade)

Phone: 0424-2244201 to 204 and 206

Email: [vcetcsir@gmail.com](mailto:vcetcsir@gmail.com)

Website: [www.velalarengg.ac.in](http://www.velalarengg.ac.in)

Thindal, Erode - 638012, Tamil Nadu.

## ABOUT THE INSTITUTION

Velalar College of Engineering and Technology is a self-financing co-educational autonomous institution established in the year 2001 with all the necessary infrastructural facilities provided by Vellalar Educational Trust that ably governs the institution. The college is approved by AICTE, affiliated to Anna University, Chennai and accredited with 'A' Grade by NAAC. The BE/BTech programmes of BME, ECE, EEE, CSE, & IT have been accredited by NBA. The institution has completed 18 years of dedicated and excellent service in the field of technical education. The institution offers eight UG Programme (BME, Civil Engg., CSE, ECE, EEE, IT, Mech. Engg & Medical Electronics) and six PG (M.E - CSE, Embedded System Technologies, Applied Electronics, VLSI Design, MBA & MCA) programmes. There are six Anna University approved research centers in the departments of ECE, EEE, CSE, Management Studies, Physics and Chemistry.

## ABOUT THE DEPARTMENT

The Department of Biomedical Engineering was established in the year 2005 with undergraduate programme in Biomedical Engineering. The Department is well equipped with laboratories such as Biochemistry Lab, Physiology Lab, Pathology Lab, Diagnostic and Therapeutic Equipment Lab, Biomedical Instrumentation Lab, Devices & ICs Lab, Signal and Image Processing Lab. The department has received funds from AICTE for Modernization of Biomedical Instrumentation Laboratory. The department has also received funds from ICMR, CSIR, TNSCST, DST and Anna University. The students of the department have received various awards like Best Project and Paper Award.

## OBJECTIVE OF SEMINAR

This seminar intends to provide researchers, enterprises and developers to share about advanced therapeutic methods used for osteoporosis and a new array of interdisciplinary and challenging research opportunities in rehabilitation engineering.

The purpose of this seminar is to elucidate the disease from a number of scientific aspects, present an opportunity to meet and network with renowned surgeons, scholars, pharmacists, technologists, and the allied health professional from around the country and listen to top speakers on the new development that will advance the future of osteoporosis, osteoarthritis and allied disease. The participants will gain the opportunity to grab the best chance of listening to eminent speakers in the field.

## SEMINAR CONTENTS

- ✓ Recent trends in physical medicine and rehabilitation for Osteoporosis
- ✓ Imaging biomarkers of Pain in knee osteoporosis Rheumatoid Arthritis opportunities for non-surgical therapies
- ✓ Osteoporosis - Differential diagnosis and management
- ✓ Construction of human knee bone joint model using FDM based 3D printing
- ✓ Modeling of segmental dynamics of knee joint and movement analysis
- ✓ Role in Development of Osteoporosis during obesity
- ✓ Early Detection of Osteoporosis

## TARGET AUDIENCE

Faculty members working in various Engineering and Medical Colleges, Research scholars, PG Students, Industry Persons from relevant background of Science and Engineering.

## FACULTY

Sessions will be handled by experienced faculty members from reputed institutions and Experts from IT and Medical Fields.

## BOARDING AND LODGING

Accommodation and boarding if required will be provided in the college campus on first-come-first serve basis.

## REGISTRATION FEE DETAILS

Registration Fee: Rs.200/- per Participant.

- Registration for the course can be made by sending the duly filled registration form along with a DD for Rs.200/- in favor of “**Secretary, VCET - GRANT A/C**” Payable at Erode.
- Registration is limited to 50 participants and selected on first-come-first serve basis.

## HOW TO APPLY

The applicants should send the filled in application form and DD to us on or before **14.07.2019**.

## REGISTRATION LINK

<https://forms.gle/5bxT3vA3bPfynH9n6>

