



**CSIR Sponsored National Level  
Two Days Seminar on  
“Recent Advancements in Modeling of  
Joint Mechanics and Early Detection of  
Osteoarthritis”**

**25<sup>th</sup> and 26<sup>th</sup> February 2019**

**REGISTRATION FORM**

1. Name :
2. Qualification :
3. Institution :
4. Address for  
Communication :
5. Phone No :
- Mobile :
- E-mail :
6. Payment  
Details :
- D.D.No :
- Bank :
- Amount :

Signature of the Participant

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Two Days Seminar  
on  
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**Organized by**



**Department of Biomedical Engineering**

**Dr. N.G.P. Institute of Technology**

Approved by AICTE, New Delhi & Affiliated to Anna  
University, Chennai. Recognized by UGC & Accredited by  
NAAC and NBA (BME, CSE, ECE, EEE and Mechanical)

**In Association with**



## KEYNOTE SPEAKERS

**Dr.Anandhakumar PR,**  
Clinical Education Manager  
D J O Global India , Chennai

**Dr.S.Karthik , MBBS, MRCS(UK),**  
Chairman, Orthopedist, Global ortho Hospital,  
Coimbatore.

**Dr.V. Ramamoorthy, MD**  
Physical medicine and Rehabilitation,  
PSG Hospitals, Coimbatore.

**Dr.Edmund D.Couto,**  
HoD – Physiotherapy & Principal,  
College of physiotherapy, KMCH , Coimbatore

**Dr.Baskaran, MS (Ortho)**  
Department of Orthopaedics,  
KMCH, Coimbatore.

**Dr.Judith Justin, Professor**  
HoD- Department of Biomedical Instrumentation  
Engineering, Avinashilingam University, Coimbatore.

**Dr.L.Priya, Assistant Professor (Sr. Grade)**  
Department of Biomedical Engineering,  
PSG College of Technology, Coimbatore

## ABOUT Dr. N.G.P. INSTITUTE OF TECHNOLOGY

Dr.Nalla.G.Palaniswami - A name that is taken with great reverence by the medical fraternity and common public alike, for his pioneering efforts in providing quality healthcare. Since its inception in 1989, the Kovai Medical Center and Hospital or KMCH as we know it, has been redefining the corporate hospital set up, making healthcare accessible to all, catering to patients from all over the globe. Looking beyond its success and recognizing the need for competent Technical education, Dr.N.G.P. initiated the establishment of Dr.N.G.P. Institute of Technology in 2007, and the N.G.P. Group of educational institutions. The College has been affiliated to Anna University, Chennai, approved by the All India Council for Technical Education (AICTE), New Delhi, recognized by UGC under section 2(f) and Accredited by NAAC and NBA for five Departments.

## ABOUT THE DEPARTMENT

The Department of Biomedical Engineering has been in existence since 2012. The Department is grown into a fully fledged one with well equipped lab facilities and Infrastructure. The Department has well experienced Faculty members of various specializations. The Department has signed MoUs with various core companies and has collaboration for Research & Development / Student Exchange / Consultancy works. Since inception, the department provides an encouraging environment and imparts the latest advancements in knowledge and skills through innovative methods of teaching. The Department has regular interactions with Kovai Medical Centre and Hospital, Biomedical companies for training, internship, projects and research in the emerging fields of Biomedical Engineering.

### VISION

To produce quality biomedical engineers with strong technical knowledge and excellence in engineering design for providing solutions to healthcare problems.

### MISSION

- MD1** – Integrating engineering and life sciences for the development of innovative biomedical products.
- MD2** – Imparting quality education through innovative Teaching –Learning methodologies.
- MD3** – Collaborating with healthcare industries for education, training, research and development..
- MD4** – Establishing state –of-art facilities to enhance the technical skills.
- MD5** – Providing sustainable solutions for challenges in global healthcare with ethical, social and moral values.

## ABOUT THE SEMINAR

This seminar aims to create knowledge awareness of osteoarthritis. This seminar focuses on the degeneration of cartilage especially in knee, because knee joint pain is the most common clinical ailment among the people of distributive ages. Knee pain is a frequent ailment that can be experienced by people of all ages. This type of pain may take place immediately after an injury, or it may appear as an extension of a chronic medical condition. The amount of discomfort people feel may depend on the cause of the pain, area of the knee affected, or their physical condition prior to the pain.

## OUTCOME OF THE SEMINAR

The purpose of the 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 TOPICS

- Recent trends in physical medicine and rehabilitation for osteoarthritis
- Imaging biomarkers of Pain in knee osteoarthritis
- Rheumatoid Arthritis opportunities for non-surgical therapies
- Osteoarthritis- 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 Osteoarthritis during obesity
- Early Detection of Osteoarthritis

### IMPORTANT DATES

Last date for Registration : 10.02.2019

### REGISTRATION FEE

- Registration fee includes Seminar Kit and Lunch
- Registration fee can be paid by Demand Draft drawn in favor of “**The Principal, Dr.NGP Institute of Technology, Coimbatore**” payable at Coimbatore.

<b>Research and Academicians</b>	<b>Rs.500</b>
<b>UG/ PG Students</b>	<b>Rs.400</b>
<b>Industrialists</b>	<b>Rs.500</b>