

DECLARATION

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

Place :

Date :

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr_____

_____ is an employee/student of our Institute and is hereby sponsored. He/She will be permitted to attend the course for the entire duration, if selected.

Office Seal

Signature of the
Sponsoring authority

Place:

Date:

Application form completed in all aspects is to be sent to:

ADDRESS FOR CORRESPONDANCE

Mr. C. Clement Christy Deepak M.E., (Ph.D.),
Department of Mechanical Engineering
P. A. COLLEGE OF ENGINEERING AND TECHNOLOGY
Pulliampatti, Pollachi-642002,
TamilNadu.

ABOUT THE COLLEGE

P. A. College of Engineering and Technology (PACET) is located on the state highway (SH-19) about 2 km from Pollachi and 42 km from Coimbatore. The College is in the reach of about 40 minutes drive from Coimbatore airport and railway station and one hour from Tiruppur. The Arul Jothi Charitable Trust promoted by Prof. Dr. P. Appukutty, Chairman and Managing Trustee, with 35 years of experience in Technical Education had established this institution in 2008, with a vision to progress and to become a Center of Excellence in Engineering, Technology and Management through creative and innovative practices in teaching and learning and promoting research and development to produce globally competitive and employable professionals.

This institution is approved by AICTE and affiliated to Anna University, Chennai with ISO certification and Accredited NAAC with 'A' Grade. It offers FIVE UG Programmes (B.E in CSE, ECE, EEE, Civil, and Mechanical) and Three PG Programmes (M.E in CSE, VLSI Design, and PED). Institution also has research centers for CSE and EEE for enhancing R&D activities. The college has strong Industry interaction, Training and Placement cell for enhancement of Student's career.

ABOUT THE DEPARTMENT

The department of Mechanical Engineering established in the year 2009 with its dedicated body of well qualified faculty, technical staff and students, The Department excel with multi-disciplinary center of excellence in the specialization of CAD/CAM/CAE, Mechanical Vibration, robotics, cryogenics and biomechanics, through education and research. The Department is well equipped with state-of-the art laboratories to provoke the students and faculty community in academic and research. Its offers four year UG programme in Mechanical Engineering and also accredited by NBA.

ICMR SPONSORED NATIONAL SEMINAR ON THE FUTURE APPLICATION OF BIOMATERIALS IN HUMAN BODY

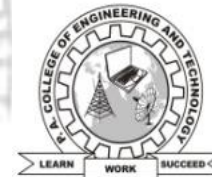
06.12.2017 to 07.12.2017

Convenor

Mr. C. Clement Christy Deepak, M.E., (Ph.D.,)

Co-Convenor

Mr. I. Akilan M.E.,



Organized by

Department of Mechanical Engineering

(Accredited by NBA)

**P. A. COLLEGE OF ENGINEERING
AND TECHNOLOGY**

Puliyampatti, Pollachi- 642 002, Tamilnadu

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E-mail : clementchristy.2020@gmail.com

akilanilango@gmail.com

Website : www.pacolleges.org

OBJECTIVE

Biomaterials is the study and application of materials naturally occurring or designed in the lab that are used in medical devices or in contact with biological systems. Biomaterials can be metals, ceramics, polymers, glasses, carbons, and composite materials. These materials must be fabricated into devices such as the artificial heart and hip joint by a biomedical engineer. Engineered materials are increasingly used in medical applications such as drug delivery, gene therapy, and biomedical and surgical devices while an understanding of structure-property relationships in natural biomaterials may lead to improved interventions for a wide variety of diseases and injuries. So, student should gain an understanding of the mechanical and anatomical principles that govern biomaterials and develop the ability to link the structure of the human body with its function from a mechanical perspective. At the completion of this course it is desired that each student be able to: 1) Describe the well-defined mechanical and anatomical terminology of Biomaterials 2) Understand and quantify the fabrication of Biomaterials 3) Understand the nature of Biomaterials in Human body and 4) Understand and quantify the role of biomaterials in equipments and clinical applications

PROGRAMME CONTENTS

- Basic Engineering principles and its application of biomaterials in human body.
- Safe and Effective Use of Biomaterials in Medical Equipment and Instrumentation
- Mechanical Design and analysis of biomechanics.
- Fabrication of Biomedical Instrumentation using Biomaterials
- Medical applications of engineered materials
- The Future of Biomaterials in human body and its clinical applications

RESOURCE PERSONS

Sessions will be handled by experts from various reputed Institutions and Industries.

ELIGIBILITY

Personnel from AICTE approved Engineering Colleges, Industries and Research Scholar.

BOARDING AND LODGING

Boarding and lodging will be provided to the participants in the college campus. Accommodation fee for each participant is free.

REGISTRATION FEE DETAILS

Faculty/UG/PG Students : Rs 300/-
Research Scholar/Industry : Rs 350/-

DD to be drawn in favour of:

**The Principal,
P. A. College of Engineering and
Technology,
Puliyampatti, Pollachi-642 002**

HOW TO APPLY

The applicants should send their applications in the specified format to reach us on or before 22.11.2017. If selected, they should confirm their participation as per schedule below.

SCHEDULED DATES

Last Date for Receipt of Applications: 22.11.2017
Intimation of Selection : 27.11.2017
Confirmation by Participants : 01.12.2017

**P. A. COLLEGE OF ENGINEERING
AND TECHNOLOGY**
PULIYAMPATTI, POLLACHI- 642 002

**THE FUTURE APPLICATION OF
BIOMATERIALS IN HUMAN BODY**

06.12.2017 to 07.12.2017

APPLICATION FORM

Name :

Department :

Educational
Qualification :

D.O.B & Age :

Sex :

Organization :

Designation :

Address for
Communication :
(with Telephone
No & E-mail ID)

Need Accommodation: Yes/No

Demand Draft Details:
(Number, Bank & Date)

Signature of the
Sponsoring Authority

Signature of the
Applicant