

Learn

Work

Succeed

CSIR Sponsored

A Two-Day National level Seminar on

**MOLECULAR ROBOTS:
ACUTE MACHINERY FOR
MOLECULAR TRANSPORTATION IN
DNA**

21st and 22nd June 2018

Registration Form

(To be filled in block letters)

Name :

Department :

Gender : Male / Female

Designation :

Organization :

Address for Communication:

.....

.....

Phone :

Email id :

Demand Draft Details:

DD No & Date :

Amount :

Bank Name :

Date:

Signature

ORGANIZING COMMITTEE

Chief Patron

Dr. P. Appukutty
Chairman, P. A. Institutions

Patron

Dr. Lakshmi Appukutty
Vice Chairperson, P. A. Institutions

Organizing Chair

Dr. T. Manigandan
Principal

Convener

Dr. D. Ganeshkumar
Head, Department of ECE

Co-ordinators

Ms. V. Mani Bharathi,
Assistant Professor, Department of ECE

Ms. G. Pavithra Devi,
Assistant Professor, Department of ECE

ADDRESS FOR CORRESPONDANCE

Ms. V. Mani Bharathi,
Assistant Professor, Department of ECE,
P. A. College Of Engineering and Technology,
Pollachi - 642002.

Mobile: +91 97881 11855
Email: manibharathi2512@gmail.com

Ms. G. Pavithra Devi,
Assistant Professor, Department of ECE,
P. A. College Of Engineering and Technology,
Pollachi - 642002.

Mobile: +91 95663 55558
Email: pavithradevip4@gmail.com

CSIR Sponsored

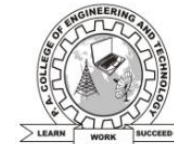
A Two-Day National level Seminar on

**MOLECULAR ROBOTS:
ACUTE MACHINERY FOR
MOLECULAR TRANSPORTATION IN
DNA**

21st and 22nd June 2018

Organized by

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION
ENGINEERING**
(Accredited by NBA)



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

(An ISO 9001-2008 Certified Institution)

Pollachi - 642 002.

(Accredited by NAAC with 'A' grade)

Phone : 04259 - 221386 / 87

Fax : 04259-221386

E-mail : pacollege@yahoo.com

Website : www.pacolleges.org



ABOUT THE INSTITUTION

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 & railway station and one hour from Tiruppur. The Arul Jothi Charitable Trust promoted by 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, affiliated to Anna University Chennai with ISO certification and accredited by NAAC with 'A' Grade. It offers five UG Programmes (B.E in CSE, ECE, EEE, Mechanical & Civil) and three PG Programmes (M.E in CSE, VLSI Design and Power Electronics & Drives). The college has strong Industry Institute Partnership Cell for placement, guest lectures and projects.

VISION OF THE INSTITUTE

To progress to become a center of excellence in Engineering and Technology through creative and innovative practices in teaching-learning and promoting research and development to produce globally competitive and employable professionals who are psychologically strong and emotionally balanced with social perception and professional ethics.

MISSION OF THE INSTITUTE

To offer academic programmes in the emerging areas of Engineering and Technology, provide training and research facilities and opportunities to promote student and faculty research in collaboration with Industry and Government for sustainable growth.

ABOUT THE DEPARTMENT

The department of Electronics and Communication Engineering is accredited by NBA. The department, established in the year 2008, with its dedicated body of well qualified faculty and technical staff, is a multi-disciplinary centre of excellence in the specialization of Embedded Systems, VLSI, Communications, Signal & Image Processing through Education and Research. The Department is well equipped with state-of-the-art laboratories to provoke the students and staff community in academic and research. The department offers UG programme in Electronics and Communication Engineering and PG programme in VLSI Design.

OBJECTIVE OF THE SEMINAR

The objective of this seminar is to bring people engaged in teaching, research, industries and education together to enhance their knowledge level in the fields of nano-scale. The field of designing robots is inevitable in the medical applications. Recent researches have shown that the programmed nano-scale molecular robots can use a tiny robotic arm to move and build molecular cargos.

The robot could carry out medical surgeries or work in nano-factories for mechanical assembly-style of production. Molecular robots can be sent into miniscule places of human bodies such as the bloodstream and micro-level surgeries where surgeons cannot perform their surgeries. The molecular robot is very small so it reduces demand for materials, power requirements and can accelerate and improve drug delivery in medical applications and rapidly increase the miniaturization of other products.

FACULTY

Sessions will be handled by Experts from reputed Institutions in the Biomedical Engineering field and Industries in health care areas to share their knowledge relevant to the seminar.

CONTENTS

This seminar focuses on recent advances in molecular robots which will be an ultimate transition in medical era for molecular transportation in DNA. This seminar covers,

- Introduction - Molecules and DNA.
- The Roadmap towards molecular robots.
- State of the Art on Molecular robotics.
- Design and manufacturing of molecular robots.
- Biomedical applications of molecular robots.
- Bottlenecks and challenges in creating molecular robots.
- Recent research in molecular robots.

ELIGIBILITY

Faculty members and Students from AICTE approved Institutions and Industries with relevant background in BME/ECE/EEE/EIE/CSE and IT branches are eligible for the programme.

IMPORTANT DATE

Last Date for Registration	: 04.06.2018
Intimation of selection	: 07.06.2018
Confirmation by Participants	: 14.06.2018

BOARDING AND LODGING

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

REGISTRATION FEE DETAILS

Faculty / Research Scholar	: Rs. 300/-
Students	: Rs. 250/-

DD is to be drawn in favour of

The Principal,
P.A. College of Engineering and Technology,
Pollachi-642002