

Autonomous



MUTHAYAMMAL ENGINEERING COLLEGE

(An Autonomous Institution)

Approved by AICTE, Accredited by NBA, NAAC & Affiliated to Anna University
Rasipuram-637408, Namakkal Dt, Tamilnadu, India.

Accredited by



About the Institution

Muthayammal Engineering College is Located at Rasipuram 25km from Salem and Namakkal, Tamilnadu. Muthayammal Educational Trust and Research Foundation, the Pride of Namakkal, runs the Institutions effectively since 2000. The Congenial and Enhancing Environment of the Institutions is elevated as the epitome of education under the able guidance and patronage of Shri.R. Kandasamy, Chairman and Dr.K.Gunasekaran, M.E., Ph.D, Secretary & Managing Trustee, Muthayammal Educational Trust and Research Foundation. Muthayammal Engineering College has been granted Autonomous Status by University Grants Commission (UGC) with effect from the Academic year 2016-17.

About the Department

The Department of Computer Science and Engineering, was established in the academic year 2000 – 2001 (Affiliated to ANNA UNIVERSITY, Chennai). It offers a 4 year B.E (Computer Science and Engineering) Programme and 2 year M.E. (Computer Science and Engineering) Programme. M.E. Computer Science and Engineering was established in the academic year 2005-2006 and affiliated to Anna University. The Department got Permanent Affiliation from Anna University in the academic year 2013-2014.

The department has been recognized as a Research Centre for carrying out Ph.D./M.S. (By Research) Programme under Anna University, Chennai. The Department consists of dedicated, qualified, experienced Staff members. The Department has well equipped and spacious laboratories with modern computer equipments. The Department has been accredited by the National Board of Accreditation (NBA) and by National Assessment and Accreditation Council (NAAC).

About the Programme

The field of Quantum Computing was initiated in 1980's and Quantum Computing is the biggest breakthrough in computer technology since the invention of the microprocessor. A classical computer has a memory made up of bits. Each bit is either off or on, designated by either a zero or a one.

Digital computers require data to be encoded into binary digits called bits, and each of which is always in one or two definite states either zero or one. Quantum computers are different from digital electronic computers based on transistors. These are made out of quantum particles that can be designated by a zero, one, or some kind of state in between.

The main objectives of this FDP to enrich the participants' knowledge and motivate everyone confront challenging applications areas of Quantum Computing by contributing to the development of the society, Industry and the Nation as a whole.

Topics:

- Introduction to Quantum Computing
- Quantum Computing Trends and Directions
- Secure Communication in Quantum Network
- Deep Learning and its Implementation with Quantum Computing Framework
- Quantum 2.0 Challenges for Engineering and Society
- On the long road to Quantum Network
- From Metrology to Quantum Technology and back
- Quantum Information Processing and Quantum Metrology with trapped ions
- Advancing Quantum Technologies Chances and Challenges
- Quantum Cyber Security
- Myths and Realities about Quantum Computing
- Human Values & SOPs - Quantum Computing Perspective
- Technical Challenges in Quantum Computing
- The Applications of Quantum Computing

Note :

- * Course Registration is free for all participants
- * Seats are limited and the participants are selected by organizers on first come first serve basis.

Registration

<https://atalacademy.aicte-india.org/signup>

Last Date for registration:
04.12.2020

on "Quantum Computing"

AICTE Training and Learning (ATAL) Academy Online Faculty Development Programme (FDP)

Date : 7th to 11th December 2020

In association with



Government of India

Organizing Committee

Chief Patron

Shri. R.Kandasamy
Chairman-METRF

Patron

Dr. K.Gunasekaran,
Secretary, METRF

Chairperson

Dr.M.Madheswaran,

Principal

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Dr.N.Naveenkumar, ASP/CSE,
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