

**Indian Council for Medical Research
(ICMR)
Sponsored
TWO-DAY NATIONAL LEVEL WORKSHOP
ON
"ARTIFICIAL INTELLIGENT TECHNIQUES AND
ITS APPLICATION IN MEDICAL DIAGNOSIS"
13.07.2018 & 14.07.2018**

**Registration Form
(To be filled in block letter)**

Name :

Department :

Gender : Male / Female

Designation :

Organization :

Address for Communication :

.....

Phone :

Email id :

Accommodation Required : Yes / No

Demand Draft Details :

DD No & Date :

Amount :

Bank Name :

Date:

Signature

DATES TO REMEMBER

Last Date for Registration : 07-07-2018

Notification for Acceptance : 10-07-2018

REGISTRATION FEE

PG Students / Faculty / Research scholars : Rs. 400/-

The registration form duly filled must be submitted along with DD in favor of "The Principal, Dr. Mahalingam College of Engineering and Technology" Payable at Pollachi.

ORGANIZING COMMITTEE

Dr. A. Senthilkumar

Prof. and Head-EEE Department

Mr. C. Kannan

Assistant Professor -EEE Department

Mr. T. Anand Kumar

Assistant Professor-EEE Department

Mr. K.M. Manu

Assistant Professor-EEE Department

Mr. M. Prabhuraj

Assistant Professor-EEE Department

Mr. D. Gnanaprakasam

Assistant Professor-EEE Department

ADDRESS FOR CORRESPONDENCE

Dr. A. Senthilkumar

Professor and Head / EEE

Convener

ICMR Sponsored workshop on "Artificial Intelligent Techniques and its Application in Medical Diagnosis"

Dr.Mahalingam College of Engineering and Technology

Udumalai Road, Pollachi - 642003, Tamil Nadu

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Professor & Head EEE

Co-conveners

Mr. C. Kannan,

Mr. T. Anand Kumar

Assistant Professors / EEE

Organized by

**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

**Dr. MAHALINGAM COLLEGE OF
ENGINEERING AND TECHNOLOGY**

(An Autonomous Institution)

(Accrediated by NBA, NAAC with 'A' Grade)

Pollachi-642003

Coimbatore (Dt), Tamilnadu

Phone : +91-4259-236030/40/50

Fax : +91-4259-236070

Website : www.mcet.in

ABOUT THE COLLEGE

Dr. Mahalingam College of Engineering and Technology (MCET) was established in 1998 by Dr. M. MANICKAM with a view to commemorate the 75th birth day of his beloved father Arutchelvar Dr. N. MAHALINGAM with a mission to impart high quality competency based education in Engineering & Technology to the younger generation with the required skills and abilities to face the challenging needs of the industry around the globe.

MCET is a self-financing, co-educational Autonomous Engineering College and it is approved by All India Council for Technical Education (AICTE), New Delhi & affiliated to Anna University, Chennai. The Institution has been accredited by NAAC with A grade, New Delhi. The MCET currently offers 10 UG, 6 PG and 5 doctoral programmes in Engineering, Technology and Science.

ABOUT THE DEPARTMENT

The department of Electrical and Electronics Engineering was established in 2002 and offers B.E (EEE), M.E (Applied Electronics) programmes and Ph.D. programmes approved by AICTE, affiliated to Anna University & accredited by the NBA. The department of Electrical and Electronics Engineering offers an excellent atmosphere for students to learn and acquire the necessary skills that are much sought after by the industry. The department has experienced faculty members who are fully committed to teaching and research and dedicated to impart quality education to the students. A wide range of research activities carried out in the department, allow the students to gain contemporary knowledge about real-life problems in the industry.

OBJECTIVES OF THE PROGRAMME

The objective of the workshop is to provide opportunities for young investigators and postdoctoral fellows/trainees to understand how intelligent computing can bring enormous benefit to existing technology in medical image processing as well as improve medical imaging research.

Computers aid in developing a fully automated system which would help in accurate identification of abnormalities in the medical field. The accuracy of the computer aided systems is highly superior to the manual observations and hence automated systems are significantly preferred by the physicians.



Most of the automated systems are based on soft computing techniques. These approaches pave the way for new and interesting avenues of research in medical imaging and represent an important challenge for researchers. This workshop will focus mainly on the problems and applications that deal with the medical imaging using Soft Computing techniques as an emerging research area.

PROGRAMME EXPERTS

Sessions will be handled by Experts from reputed Institutions and hands on training will be done by Industry experts.

COURSE CONTENTS

- ◆ Introduction to Medical Decision Support Systems
- ◆ Medical image registration and retrieval
- ◆ Noise cancellation in medical image processing
- ◆ Biomedical signal processing
- ◆ Abnormality detection in scanned medical images using ANN
- ◆ Medical image processing using evolutionary algorithms
- ◆ Medical decision support systems - examples
- ◆ Opportunities and challenges of AI in healthcare system"

TARGET AUDIENCE

The faculties, doctors, research scholars, PG students and final year UG students from Engineering Colleges as well from medical institutes and who have interest in soft computing and who are doing research in the related field.

BOARDING AND LODGING

Boarding and lodging will be provided to the selected candidates in the college campus on prior request with nominal fee.