

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 year 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 engineering college and is approved by AICTE, New Delhi & is affiliated to Anna University. The Institute has been accredited by NAAC with A++ grade in Cycle II (2018- 2023), the highest grade. MCET currently offers 10 UG programmes, 6 PG programmes and 8 Doctoral programmes with all eligible UG programmes accredited with NBA Tier-1.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 1998 and offers B.E (ECE) and M.E (Communication Systems) approved by AICTE, affiliated to Anna University, and accredited by NBA. The department is recognized as research centre by Anna university, Chennai since 2015. The department has experienced and qualified faculty members who are fully committed to teaching, research and dedicated to impart quality education to the students. The students have access to well equipped, state-of-the-art laboratories. The department is focusing on research activities in the predominant areas viz., RF, VLSI, Image & Signal processing, Data analytics, Communication and Networking.

ABOUT THE PROGRAMME

The proposed three days workshop comprises lectures followed by demonstrations and hands-on sessions. The workshop also covers essentials of machine learning, deep learning algorithms and frameworks as well as the other models that can be applied to solve research problems in digital forensics using biometrics and EEG. A fundamental verification process known as biometrics uses a person's physiological and behavioural characteristics to identify them. These biometric extensions can be quickly seen in a variety of forensic identification contexts, such as face, fingerprint, iris, EEG, voice, handwriting, gait, DNA, etc. To improve identification performance requirements, multimodal biometrics enables the combination of two or more biometric recognition and verification systems. A wide range of applications for physical and cybercrime detection are now possible because of the development in forensic biometrics. As a result, due to their direct impact on resolving several societal issues as well as their status as the most active research topics, forensics and biometrics are both regarded as emerging technologies. Electroencephalogram (EEG)-based biometrics have attracted increasing attention in recent years. EEG offers advantages including robustness against attacks, continuous identification capability, intrinsic liveness detection, and universality. Various Deep learning Architectures are embedded in this workshop to built new frameworks.

COURSE OUTCOMES

At the end of this workshop the participants will be able to:

- Build technical capacity in the area of Computer Vision, Image Processing and EEG analysis.
- Showcase the role of Biometrics in Digital Forensics considering real time applications.
- Build awareness towards various Machine learning and Deep learning architectures in implementing algorithms.
- Apply deep learning concepts in medical images.
- Understand Computer Forensics in today's world.

RESOURCE PERSONS



Dr.M. Sabarimalai Manikandan
Associate Professor-EE
IIT Palakkad



Dr. Surya Prakash
Associate Professor-CSE
IIT-Indore



Dr. Anjali Gautam
Assistant Professor-IT
IIIT-Allahabad



Dr.Varun Gopi
Assistant Professor-ECE
NIT-Tiruchirappalli



Dr.Malaya Kumar Nath
Assistant Professor-ECE
NIT-Puducherry



Mr.Sankarraj Subramaniam
Founder & CEO,
Prompt Infotech,CBE



Mr. Ramson Jehu K
Embedded computer vision engineer
E-con System India Pvt Ltd, Chennai



Mr. Sharma Saravanan
CEO Besions Technologies and
Director of AI at Agentz.ai, Chennai

TARGET AUDIENCE

- Faculty members, Ph.D Scholars, PG and UG Students are eligible to participate.

REGISTRATION PROCESS

- Registration URL:

<https://forms.gle/HeZxyKgytXAo7F5m8>

- Registration Fees:

UG & PG Students	Rs.500
Research Scholars	Rs.750
Faculty Members	Rs.1000

Account details:

A/c No.: 1181135000018164

IFSC Code: KVBL0001181

Branch:Pollachi

Dr. Mahalingam College of Engineering and Technology

IMPORTANT DATES

- Last date for registration: 20.04.2023
- Confirmation of participation will be intimated to the selected participants on or before 22.04.2023 through e-mail.

ORGANIZING COMMITTEE

Chief Patron

Dr. M. Manickam,

Chairman, NIA Educational Institutions

Patron

Shri. M. Hari Hara Sudhan,

Correspondent, NIA Educational Institutions

Deputy Patron

Dr.C.Ramaswamy,

Secretary, NIA Educational Institutions

Chairman

Dr.P.Govindasamy,

Principal, MCET

Co-Chairman

Dr.S.Ramakrishnan,

Dean(R&I), MCET

Convenor

Dr. R. Sudhakar,

Professor and HOD, ECE, MCET

Organizing Secretaries

Dr. V. K Sudha,

Professor,ECE,MCET

Mr. V. Gurunathan,

Assistant Professor, ECE, MCET

Mr. A. Shafeek,

Assistant Professor, ECE, MCET

Organizing Committee Members

Dr.S.Bharathi,

Assistant Professor(SG), ECE, MCET

Dr. C. Moorthy,

Assistant Professor, ECE, MCET

Ms. T. Sathiyapriya,

Assistant Professor, ECE, MCET

Ms. N. Nithiyameenatchi,

Assistant Professor, ECE, MCET

ADDRESS FOR COMMUNICATION

Mr. V. Gurunathan,

Assistant Professor, Department of ECE

Dr. Mahalingam College of Engineering and

Technology, Pollachi - 642003

Coimbatore District, Tamilnadu.

Email id: gurunathan@drmcet.ac.in

Mobile: +91 9940858210



Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY

Udumalai Road, Pollachi, Coimbatore District 642003

Estd. 1998 | AICTE Approved | Affiliated to Anna University

An Autonomous Institution



NAAC A++ GRADE
Cycle 2 (2018-2023)
The Highest Grade

IEEE & ISTE Students Chapter



IEEE
SB 61631

Sponsored

3 Days Workshop

on



"An insight into Biometrics along with EEG
for Digital Forensics using Machine
Learning and Deep Learning"

24.04.2023 - 26.04.2023

HYBRID MODE(ONLINE & OFFLINE)

Department of Electronics & Communication Engineering

Dr. Mahalingam College of Engineering and Technology

(An Autonomous Institution,

Accredited by NBA & NAAC)

Udumalai Road, M.K. Patti (P.O)

Pollachi - 642 003, Tamil Nadu

Phone: +91 4259 236030/40/50

Fax: 04259 - 236070

Website: www.mcet.in

