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. The mission of the college is 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 the National Assessment and Accreditation Council (NAAC) with A++ grade. MCET currently offers 10 UG and 6 PG courses and 6 Doctoral programmes in Engineering and Technology.

ABOUT THE DEPARTMENT

The Department of CSE was established in the year 1998. It is accredited by National Board of Accreditation. The department offers 4 years Bachelor of Engineering programme with an annual intake of 180 students and Master of Computer Science and Engineering course with an annual intake of 12 students. The department has well qualified and committed faculty members.

ABOUT THE DEPARTMENT

The department is recognized as research center for offering Ph.D. /M.S (by research) programmes and focuses on research activities in the areas of Data Science, Networks and Security, Artificial Intelligence, Machine Learning and Deep Learning. The department has well-equipped laboratories with state-of-art computing facilities in specialized areas like IoT, Cloud, Data Analytics, Machine Learning, Internet & Mobility.

All the computers are connected internally with fiber optic cable network with 300 Mbps Internet. The courses related to AWS Academy, Oracle Workforce Development Program, Cisco Networking Academy Program and Red Hat are offered in association with respective Industries.

ABOUT THE PROGRAMME

Cybersecurity is a field of study and practice that deals with the prevention of cyberattacks, the response to cyberattacks, and restoring systems and data. This programme provides opportunity to learn the following:
This FDP also facilitates learners to:
- Understand cybersecurity incident response for detecting and responding to cyberthreats, security breaches or cyber-attacks and enabling cybersecurity teams to limit or prevent damage.
- Understand typical behavior patterns of adversaries, enabling prediction and mitigation of potential security breaches.

- Learn effectively to identify and analyze a wide range of cyber threats and to enable threat-informed defenses.
- Explore industry best practices around Cyber Threat Intelligence.
- Learn the legal and ethical considerations surrounding penetration testing and security assessments.
- Gain knowledge of common cyber threats such as malware, phishing, social engineering, and denial of service (DoS) attacks.
- Gain hands-on experience with network and mobile forensic tools, empowering learners to investigate and analyze security incidents effectively.
- Acquire proficiency in using ethical hacking tools and frameworks, to conduct thorough security assessments and improve system defenses.

COURSE CONTENTS

- Introduction to Cyber security
- Recent Trends in Cyber security
- Cyber Crimes and Cyber frauds
- Ethical Hacking
- Introduction to Penetration Testing Tools and Hands on
- Cyber laws and Cyber Certifications
- Cyber-attacks, Vulnerability Management
- Network and Mobile Forensic Tools
- Ethical Cyber hacking and GitHub Tools
- Hands on Forensic Tools using Open Source Framework

TARGET AUDIENCE

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

RESOURCE PERSONS

Mr.Vinoth Edwards,
Associate Professor/CSE,
Karunya Institute of Technology
and Sciences, Coimbatore

Mr.Vijay Krishnan,
Assistant General Manager,
BSNL,
Tirunelveli

Mr. Dinesh Paranthagan,
Founder & CEO,
HackUp Technology Pvt Ltd,
Coimbatore

REGISTRATION PROCESS

- Registration URL:
  https://forms.gle/m6jwGZnbzmE1UAav8
- Registration fee is Rs.400/- for PG Students and Rs.750/- for Faculty members and Research Scholars.
- Pay through GPay
  UPI ID: prabhuit.23@okaxis
  UPI Number: 8610018853
  Name: Prabhu K

IMPORTANT DATES

- **Last date for registration: 14.10.2024**
- Confirmation of participation will be intimated to the selected participants on or before 15.10.2024 through e-mail.

ORGANIZING COMMITTEE

Patron
Dr.C.Ramaswamy,
Secretary, NIA Educational Institution

Chairman
Dr.P.Govindasamy, Principal, MCET

Co-Chairman
Dr. A. Senthil Kumar, Dean A & A, MCET
Dr. S. Ramakrishnan, Dean R & I, MCET
Dr. Calvin Sophistus King, Dean, IR & TD, MCET

Convenor
Dr.D.Sivaganesan
Professor & HoDi/c /CSE

Organizing Secretaries
Dr.N.Senthil Madasamy, ASP, CSE, MCET
Dr.A.Noble Mary Juliet, ASP, CSE, MCET

Staff Coordinators
Mr.K.Prabhu, AP (SS), CSE, MCET
Ms.J.Santhiya, AP, CSE, MCET

Organizing Committee Members
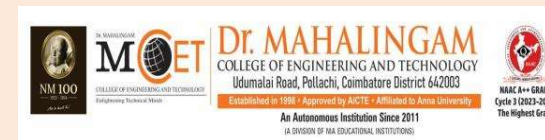CSE Department Faculty Members

ADDRESS FOR COMMUNICATION

Mr. K.Prabhu
Assistant Professor (SS), Department of CSE
Dr. Mahalingam College of Engineering and
Technology, Pollachi – 642003
Coimbatore District, Tamilnadu.
Email id: prabhu@drmcet.ac.in
Mobile: +91 8610018853

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Organizes
Faculty Development Programme On

"Cyber security in Action: Ethical Hacking and Forensic Tools"

17.10.2024 - 19.10.2024

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.drmcet.ac.in