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.

MCET-ISTE STUDENTS CHAPTER

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. ISTE students chapter has been functioning in MCET since 2001. The major objective of the MCET-ISTE students chapter is to provide quality training programmes to all students and research scholars of technical institutions to update their knowledge and skills.

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 120 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.

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 Human Computer Interaction, Data Management, Networks and Security, System Design and Integration. The department has well-equipped laboratories with state-of-art computing facilities in specialized areas like IoT & Hardware, Human Computer Interaction, 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

Data analytics in the healthcare industry represents the processing and analysis of complex healthcare data to gain better insights and enable healthcare practitioners to make well-informed decisions. The impact of data analytics in the healthcare industry is massive. Few scenarios include disease prediction and prevention, personalized treatment, patients' behavior analysis, health tracking, etc.

The healthcare industry generates a tremendous amount of data but struggles to convert into insights that improve patient outcomes and operational efficiencies. Data analytics in healthcare is intended to help providers overcome obstacles to the widespread application of data-derived intelligence.

This programme provides an opportunity to gain data analytics based research ideas in the area of health care domain and related applications. The programme also tends to provide a forum for academic experts, industry experts and research scholars to exchange and share their experiences and innovations about all aspects of Data sciences. This workshop paves a path to understand various innovations in data analytics approaches focusing on health care applications and thereby apply the principles in real-time scenarios.

COURSE CONTENTS

- Data Analytics and Machine Learning Techniques
- Role of ML and DL in Medical Field
- Working with Medical dataset
- Medical image reconstruction and restoration
- Development of Deep Learning models
- Data Analytics using Python
- Hands-on session on various Software tools for Data Analytics

TARGET AUDIENCE

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

RESOURCE PERSONS

Resource Persons from leading Industries and reputed institutions will deliver lectures on Data Science Algorithms & its impact in Health Care Applications.

REGISTRATION PROCESS

- Registration URL:
  https://forms.gle/rWGH5knhcu5QVSmPA
- Registration fee is Rs.300/- for UG and PG Students and Rs.500/- for Faculty members and Research Scholars.

IMPORTANT DATES

- **Last date for registration: 28.03.2023**
- Confirmation of participation will be intimated to the selected participants on or before 29.03.2023 through e-mail.

ORGANIZING COMMITTEE

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

Chairman
Dr.P.Govindasamy, Principal, MCET

Coordinator
Dr.G.Anupriya,
Professor and HOD, CSE, MCET

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Mr. P.Boopathirajan, AP(SS), CSE, MCET
Mr.K.Prabhu, AP, CSE, MCET

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MCET-ISTE Students Chapter
Sponsored
3 Days Workshop
On

"DATA SCIENCE TECHNIQUES FOR HEALTHCARE APPLICATIONS"

30.03.2023 - 01.04.2023

Coordinator
Dr. G.Anupriya
Professor & Head / CSE

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