

TARGET AUDIENCE

PG Students, Research Scholars, Faculty of Science, Engineering & Technology are eligible to participate

REGISTRATION PROCESS

Registration URL:

<https://forms.gle/ZPrjoHBG41y1xthNA>

(Seats will be assigned on a first-come, first-served basis due to limited availability)

Registration Fees* (Inclusive of GST)

Participant type	Rs.
Faculty members	315/-
Research Scholars & PG Students	210/-

QR Code for registration



For Payment



(Scan the QR code)

Please note: Registration fee is non-refundable.

WhatsApp group link

<https://chat.whatsapp.com/G0D7P2Mt7JmKbJYtwLi2af>

RESOURCE PERSONS



Dr. Pattabiraman. V,

Associate Dean Academic Research
Professor,
School of Computer Science and Engineering
Vellore Institute of Technology, Chennai



Dr. Rajesh R,

Professor,
Department of Computer Science,
Central University of Kerala, Kasaragod, Kerala

IMPORTANT DATES

Last date for registration: 10.02.2025
Confirmation of participants: 12.02.2025

ADDRESS FOR COMMUNICATION

Dr. R. Muthusami, Convenor / HoD,
Department of Computer Applications (MCA),
Dr. Mahalingam College of Engineering and Technology,
Pollachi - 642003, Coimbatore, Tamil Nadu.
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Visit us at : <https://drmcet.ac.in/>

Department of Computer Applications (MCA)

Organizes

Faculty Research Workshop

On

"Applications of Computational

Intelligence"
(Physical Mode)



14th & 15th February 2025
Venue : EEE Seminar Hall



Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution, Accredited by NBA & NAAC)

Udumalai Road, M.K.Patti (P.O),
Pollachi-642003, Coimbatore (Dt), Tamilnadu

Phone: +91-4259-236030/40/50 Ext: 380/381

Website: <https://drmcet.ac.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 year of his beloved father Arutchelvar Dr. N. Mahalingam with a mission to impart high quality competency – based education in Engineering and 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 and is affiliated to Anna University. The Institute has been accredited by NAAC with A++ grade in Cycle III till 2030 the highest grade. MCET currently offers 12 UG programmes, 6 PG programmes, and 7 Doctoral programmes with all eligible UG programmes accredited with NBA Tier – 1.

ABOUT THE DEPARTMENT

The Department of Computer Applications was started in the year 2001. The department is committed to provide state of art management and computer education on par with international standards. The department aims at promoting quality and value based education by motivating the skills of students, creating awareness on the future trends of software industry and familiarizes the students to face interviews with buoyancy. The department is well established with modern computer facilities connected to Internet through fiber optic backbone.

ABOUT THE PROGRAMME

Enhance faculty members' knowledge of computational intelligence by providing comprehensive insights into principles and techniques such as neural networks, fuzzy systems, genetic algorithms, and machine learning. Participants will explore the diverse applications of these methods across fields such as engineering, healthcare, finance, robotics, and natural language processing. The workshop will foster

interdisciplinary collaboration among faculty and researchers, enabling the creation of innovative solutions for real-world challenges. Faculty will enhance their research capabilities by learning to utilize advanced computational intelligence tools, software, and algorithms applicable to current and future projects. Recent developments in computational intelligence will be highlighted, encouraging participants to incorporate these advancements into their research for addressing complex problems. Additionally, the program will provide valuable insights into publication strategies and grant proposal writing, empowering faculty to publish their findings and secure research funding. Interactive sessions will ensure hands-on experience with computational intelligence tools, effectively connecting theoretical concepts with practical applications.

OBJECTIVES OF THE PROGRAMME

1. To enhance the research capabilities of faculty members by introducing advanced computational intelligence tools, software, and algorithms that can be applied in ongoing or future research projects.
2. To explore the diverse applications of computational intelligence in various fields such as engineering, healthcare, finance, robotics, and natural language processing.
3. To guide faculty on how to translate computational intelligence research into publishable articles and funded projects, improving their visibility and securing research funding.

TOPICS COVERED

Day 1:

- Does a Creative Research Applications have a Methodology?: Computational Intelligence perspective
- Inter/Multi/Trans Disciplinary Research Applications of Computational Intelligence

Day 2:

- Fuzzy Inference System
- Introduction to Neural Networks
- Genetic Algorithms
- Multi objective Binary PSO

ORGANIZING COMMITTEE

- Chief Patron** : **Dr.M.Manickam**
Chairman,NIA Educational Institutions
- Patron** : **Shri.M.Hari Hara Sudhan**
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Dean R&I, MCET
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Dean (IR&TD), MCET
- Convenor** : **Dr.R.Muthusami**
Associate Professor and Head/MCA
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Mrs.B.Yesodhai
Assistant Professor, MCA
Mrs.M.Rubha
Assistant Professor, MCA