



**C. ABDUL HAKEEM COLLEGE OF ENGINEERING
& TECHNOLOGY
MELVISHARAM RANIPET DISTRICT - 632 509.**

| AFFILIATED TO ANNA UNIVERSITY | APPROVED BY AICTE | LISTED IN 2[F] & 12[B] SECTIONS OF UGC

NEWS LETTER



**Department of Master of Computer
Applications**

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ABOUT CAHCET



C. Abdul Hakeem College of Engineering & Technology (CAHCET) is a non-profit self-financed engineering college located in Vellore, Tamil Nadu, India. It is affiliated to Anna University. It offers 09 undergraduate and postgraduates programs in engineering and management. This college is one of the several educational institutions run by the *Melvisharam Muslim Educational Society* which was founded in the year 1918.

A well-established and well-organized College of Engineering is the desired destination of vast majority of students. One such role model of a college is located at a distance of 100 kms from Anna International Airport, Chennai and at 4 kms from Arcot, the capital of Nawabs who ruled one-fourth of South India. Right from the year of its inception, the college is consistently producing scores of first class graduates, scores of graduates with high distinction and graduates with University Rank or other academic credentials.

ABOUT MCA DEPARTMENT

MCA is a postgraduate program that established in the year 2008 with a sanctioned intake of 60 students and focuses on various aspects of computer applications and software development. It covers subjects such as programming languages, database management, software engineering, web development, networking, and computer architecture. MCA graduates are equipped with the skills necessary to pursue careers in software development, systems analysis, database administration, and IT management. The department is provided with a well-equipped laboratories Essential software's and computer terminals as per the curriculum of Anna University are available in the department. The faculty members have regularly participated in various FDPs (like NITTTR), workshops, seminars, conferences and other training programmes sponsored by AICTE, MHRD etc. They have also presented many research papers in various conferences and journals. The department has been producing good results and produced 55 Anna University Rank holders till todote.

DEPARTMENT OF MCA

GOALS

- To outshine in programming skills in the various computing fields of IT industries.
- To endorse students potential to become entrepreneur in various sectors of Computer applications.
- To provide technical services to satisfy the needs of student community and society.
- To disseminate research and higher studies interest among student community.
- To achieve excellence through the persistent team effort and dedication.

OBJECTIVES

- Graduates shall have sound knowledge regarding the fundamental principles and techniques in the discipline of Computer Science and Applications.
- Graduates shall have the ability to specify, design, develop and maintain reliable and efficient outcome.
- Graduates shall have the necessary communication and management skills and ethical values to become competent professionals.

VISION

Providing knowledge of Computer Applications to enable the MCA graduates to meet global challenges.

MISSION

M1: To inculcate skills that can bridge the gap between industry and academia.

M2: To develop innovative talents among students.

M3: To practice ethical values and making them engage in life-long learning.

PROGRAM SPECIFIC OUTCOMES (PSOs)

The Graduates of MCA will be:

PSOs	Statements
PSO1	Able to select suitable data models, appropriate architecture and platform to implement a system with good performance.
PSO2	Able to design and integrate various system based components to provide user interactive solutions for various challenges.
PSO3	Able to develop applications for real time environment using existing and upcoming technologies.

PROGRAM OUTCOMES

PO1. Computational Knowledge:

Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

PO2. Problem Analysis:

Identify, formulate, research literature, and solve *complex* computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PO3. Design /Development of Solutions:

Design and evaluate solutions for *complex* computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO4. Conduct Investigations of Complex Computing Problems:

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5. Modern Tool Usage:

Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to *complex* computing activities, with an understanding of the limitations.

PO6. Professional Ethics:

Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.

PO7. Life-long Learning:

Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

PO8. Project management and finance:

Demonstrate knowledge and understanding of the computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO9. Communication Efficacy:

Communicate effectively with the computing community, and with society at large, about *complex* computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PO10. Societal and Environmental Concern:

Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

PO11. Individual and Team Work:

Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

PO12. Innovation and Entrepreneurship

Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

The Master of Computer Applications graduate will able to:

PEO	Statements
PEO1	Apply their computing skills to analyse, design and develop innovative software products to meet the industry needs and excel as software professionals.
PEO2	Pursue lifelong learning and do research in the computing field based on solid technical foundations.
PEO3	Communicate and function effectively in teams in multidisciplinary fields within the global, societal and environmental context.
PEO4	Exhibit professional integrity, ethics and an understanding of responsibility to contribute technical solutions for the sustainable development of society.

EVENTS ORGANIZED FROM MCA DEPARTMENT

1. The **Department of MCA** conducted an **Intra Project Competition** on **16th February 2024**. The projects were evaluated by **Dr. S. Umamaheswari, Head, Department of IT**, and **Mr. T. S. Karthick, Head, Department of AIDS**, who served as the **judging panel** for the event. The competition was **coordinated by Ms. V. I. Sumaiya Banu, Assistant Professor/MCA**.



2.The **Department of MCA** organized a **Guest Lecture on “ChatGPT with AI”** on **1st April 2024**. The session was delivered by **Mrs. Rajalakshmi S, Data Scientist at Strydo Technologies, Katpadi, Vellore District**, who shared valuable insights into the applications of **Artificial Intelligence and ChatGPT** in modern computing.The event was **coordinated by Ms. V. I. Sumaiya Banu, Assistant Professor/MCA**.



2. The **Department of Master of Computer Applications** is pleased to announce a **Two-Day International Conference on Technology & Advancements in Computing Applications (ICTACA'24)**, in coordination with the **CSE, IT, and AIDS Departments**, scheduled on **17th and 18th April 2024** at our college premises from **9:30 AM to 4:30 PM**. The **inauguration** will be held at the **Auditorium**, and presentations will take place at **Technology Tower Seminar Hall**. Faculty and students are encouraged to participate to **gain insights into the latest advancements in technology**. **Dr. C. Navaneethan** will be the distinguished **resource person** for the conference coordinated by **B.S.Vijaya Baskar, AP/MCA**.







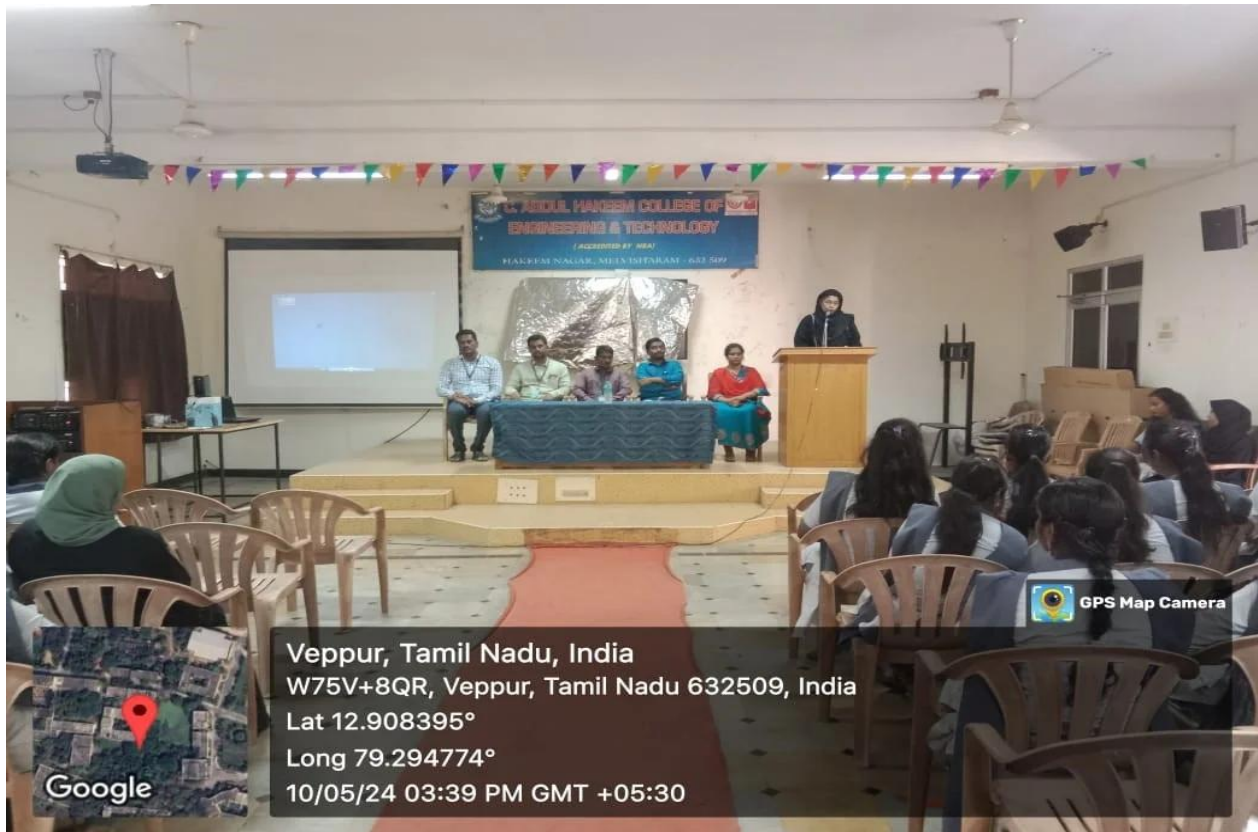
3. The Department of MCA successfully conducted an **Innovative Workshop on “Advanced Database Technology”** from **24th to 25th April 2024** at **Technology Tower, Chennai**. The workshop was led by **Dr. B. Ezhilavan**, Managing Director of **VEI Technologies Pvt. Ltd., Chennai**, and attended by **60 participants** under the coordination of **Mr. B. S. Vijaya Baskar**, Assistant Professor/MCA.



4. The Department of MCA organized a **Guest Lecture on “Virtual Reality”** on **2nd May 2024** at **Technology Tower, Chennai**. The session was delivered by **Ms. P. Shobana Pritha**, Software Developer at **VEI Technologies Pvt. Ltd., Chennai**, and attended by **60 participants** under the coordination of **Mr. B. S. Vijaya Baskar**, Assistant Professor/MCA.



6. The **Department of MCA** celebrated **National Technology Day** on **10th May 2024**. **Dr. M. Sasikumar, Principal of CAHCET**, graced the occasion and **addressed the gathering**, highlighting the significance of technological innovation in modern education and research.



7. The Department of MCA organized a **Poster Presentation** on **12th June 2024**. The session was evaluated by **Mr. T. S. Karthick**, Associate Professor and Head, Department of AIDS, who served as the **judge** for the event.







8. The **Department of MCA** organized **Project Expo 2024** on **14th June 2024**. The event was evaluated by **Dr. Md. Muzaffar Hussain** from the **Department of AIDS**, **Dr. S. Umamaheswari**, Head, **Department of IT**, and **Dr. K. Abrar Ahmed**, who served as the **judging panel** for the expo.





1. FACULTY ACHIEVEMENTS

Academic Year 2023-2024(Jan-June)

Sl.No.	Name of the faculty	Nature of the program	Title	Venue	Date
1.	Ms.V.I.SUMAIYA BANU	WORKSHOP	NPTEL E-awareness	IIT Madras	04.01.2024
2.	Mrs.R.KAVITHA	WORKSHOP	NPTEL E-awareness	IIT Madras	04.01.2024
3..	Mr.B.S.VIJAYA BASKAR	WORKSHOP	NPTEL E-awareness	IIT Madras	04.01.2024
4..	Mrs.R.KAVITHA	FDP	“Developing your Professional Edge – Strategies for career growth and Financial Stress”	PPG College of Arts & Science Coimbatore	08.01.2024 to 12.02.2024
5..	DR.M.SADIQUE BASHA	TRAINING PROGRAM	“National Intellectual Property Awareness Mission”	NIPAM, India	11.03.2024

5. FACULTY CONFERENCE PUBLICATIONS

1. Basha, Murtaza Saadique, and J. Sumithra Devi. "Performance Evaluation of Secure Association Rule Mining Method over Distributed Databases Using FDM, Secure Scalar Dot Product, Data Perturbation and RSA Techniques." In *2024 4th International Conference on Data Engineering and Communication Systems (ICDECS)*, pp. 1-6. IEEE, 2024.
2. Basha, Murtaza Saadique , Professor in the Master of Computer Applications(MCA) Department, authored a paper titled “Exam Ease: (Online Exam Portal) - For Skill Development Of Students”.This paper was presented at the International Conference on Technology and Advancement in Computing Applications (ICTACA'24), held at CAHCET in April 2024. The Conference was an International event focusing on Technology and Advancement in Computing Applications.
3. Basha, Murtaza Saadique , Professor in the Master of Computer Applications(MCA) Department, authored a paper titled “ Deep Learning Based Image Classification Methods For Prediction Of Skin Cancer”.This paper was presented at the International Conference on Technology and Advancement in Computing Applications (ICTACA'24), held at CAHCET in April 2024. The Conference was an International event focusing on Technology and Advancement in Computing Applications.
4. SUMAIYA BANU V I, Assistant Professor in the Master of Computer Applications(MCA) Department, authored a paper titled "DEEPPAKES DETECTION TECHNIQUES USING DEEP LEARNING". This paper was presented at the International Conference on Technology and Advancement in Computing Applications (ICTACA'24), held at CAHCET on 17th & 18th April 2024. The Conference was an International event focusing on Technology and Advancement in Computing Applications.
5. SUMAIYA BANU V I, Assistant Professor in the Master of Computer Applications(MCA) Department, authored a paper titled "UNVEILING HUMAN DYNAMICS: VIT-RET FOR VIDEO BASED ACTIVITY RECOGNITION". This paper was presented at the International Conference on Technology and Advancement in Computing Applications (ICTACA'24), held at CAHCET on 17th & 18th April 2024. The Conference was an International event focusing on Technology and Advancement in Computing Applications.
6. B S Vijaya Baskar Assistant Professor in the Master of Computer Applications(MCA) Department, authored a paper titled “ATM Security Management On Two Step Verification Using Deep Learning Algorithms”. This paper was presented at the International Conference on Technology and Advancement in Computing Applications (ICTACA'24), held at CAHCET in April 2024. The Conference was an International event focusing on Technology and Advancement in Computing Applications.

7. B S Vijaya Baskar Assistant Professor in the Master of Computer Applications(MCA) Department, authored a paper titled “A Safe And Effective Data Duplication System In Cloud Computing With Adaptive Ownership Managements”. This paper was presented at the International Conference on Technology and Advancement in Computing Applications (ICTACA'24), held at CAHCET in April 2024. The Conference was an International event focusing on Technology and Advancement in Computing Applications.
8. R.Kavitha, Assistant Professor in the Master of Computer Applications(MCA) Department, authored a paper titled "Detection of phishing websites using random forest algorithm". This paper was presented at the International Conference on Technology and Advancement in Computing Applications (ICTACA'24), held at CAHCET in April 2024. The Conference was an International event focusing on Technology and Advancement in Computing Applications.
9. R.Kavitha, Assistant Professor in the Master of Computer Applications(MCA) Department, authored a paper titled "An effective data integrity verification system for multi-cloud storage using blockchain". This paper was presented at the International Conference on Technology and Advancement in Computing Applications (ICTACA'24), held at CAHCET in April 2024. The Conference was an International event focusing on Technology and Advancement in Computing Applications.

STUDENTS CO-CURRICULAR ACHIEVEMENTS

1. **Kamal Raj P** from II MCA participated in the *Innovation, Design, and Entrepreneurship Bootcamp* held from **29th April 2024 to 3rd May 2024** at **Kalasalingam Academy of Research and Education, Krishnankoil**, organized by MIC and AICTE.
2. **Javith Basha U** from II MCA participated in *Code and Debugging* and *Quiz* events at **Technomania 2024** held on **24.03.2024**, organized by the **Departments of CSE and IT, Global Institute of Engineering and Technology, Ranipet District**.

UPCOMING EVENTS AND PROGRAMS(2025-2026-JULY TO DECEMBER SESSION)

- IIC Self Driven Events
- Freshers Day
- Innovative workshop on Machine Learning
- Innovative workshop on IOT
- One Day Training Program on Aptitude Cracking
- A National Level Technical Symposium Techno Rendezvous-2025

EDITORIAL BOARD

FACULTY EDITOR:MR.B.S.VIJAYA BASKAR,AP/MCA.

STUDENT EDITOR:PRADHEEP GOWTHAM K P-I MCA.

