



**C.ABDUL HAKEEM COLLEGE OF ENGINEERING AND
TECHNOLOGY, MELVISHARAM**

Approved by All India Council for Technical Education (AICTE), New Delhi and
Affiliated to Anna University, Chennai.

**DEPARTMENT OF MASTER OF
COMPUTER APPLICATION**

MAGAZINE



MCA

TECHNO-EDGE

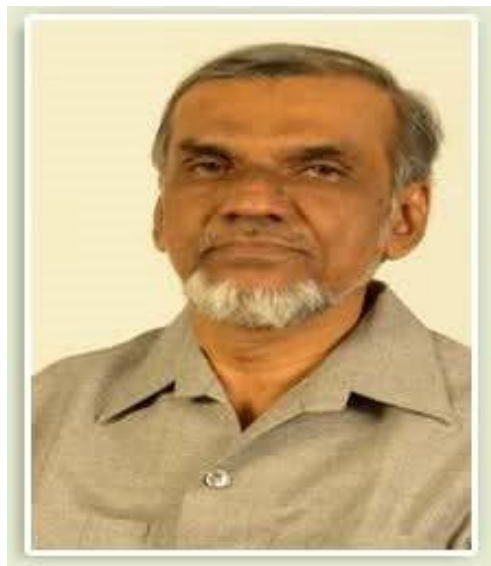
A PLATFORM FOR TECH EXCELLENCE



Academic year 2023-2024



Chairman's Message



It gives me great pleasure to extend my warm greetings to the MCA Department on the publication of its department magazine. This magazine is a remarkable platform that showcases the intellectual capabilities, innovative thinking, and academic achievements of our students and faculty members.

Education today is not limited to classrooms alone. It is about nurturing creativity, fostering research culture, and encouraging students to explore new horizons in technology and personal growth. I am delighted to see the department taking continuous efforts to create such opportunities for students and to empower them with the skills required to excel in the competitive world.

I congratulate the Head of the Department, faculty team, and the editorial board for their dedication in bringing out this insightful and enriching magazine. I am confident that this initiative will inspire students to dream big, think differently, and strive for excellence in all their endeavours.

My best wishes to the MCA Department for greater accomplishments and continued success in the years ahead.

Dr. S. Ziauddin Ahmed, B.A., Chairman

Correspondent's Message



I am delighted to extend my sincere wishes to the MCA Department on the release of its magazine. This publication reflects the commitment of the department to promote knowledge sharing, creativity, and academic excellence among students.

In today's dynamic technological world, it is important for learners to stay updated, think innovatively, and cultivate skills that prepare them for future challenges. I am glad to see the department encouraging students to actively engage in various academic, technical, and co-curricular activities that contribute to their holistic development.

I congratulate the Head of the Department, faculty members, and the editorial team for their hard work in bringing out this informative and inspiring magazine. I hope this edition motivates students to pursue greater milestones and continue striving for excellence in all their endeavours.

My best wishes to the MCA Department for continued growth and success.

Dr. V M Abdul Latheef , BE ., FIE.,

Correspondent

From the Principal's Desk



“The highest education is that which does not merely give us information but makes our life in harmony with all existence”

-Rabindranath Tagore

Education enables a person to transcend the limitations of human perception and to understand the organic growth of the world to place oneself fit to perform one's role efficiently in the interest of larger order of existence. It is a process to cause transformation to the finest of our thoughts, feelings and deeds. The aim of our Institution is to produce outstanding technocrats, who will prove their professional competence in their respective discipline. Our Institution also lays special Emphasis on soft skills, human values and ethics apart from academic excellence. We strive to endow the student with a platform, helping them to broaden their horizon and in the process provide them with a healthy, refined, holistic, and substantial education. Lets together tab the depths of the ocean and explore the universe through wings of knowledge and power of innovation. I extend my wishes to all the readers of this message and invite you to join hands with us in our noble mission.

“Formal education will make you a living; Self education will make you a Fortune.”

Dr. M. Sasikumar, Principal

HOD's Message



It gives me immense pleasure to present the annual edition of our MCA Department Magazine, a platform that reflects the talent, creativity, and academic excellence of our students. This magazine stands as a testament to the continuous growth, innovation, and collaborative spirit that define our department.

In today's rapidly evolving technological world, it is essential for students to enhance their knowledge, explore emerging trends, and involve themselves in research, projects, and practical applications. I am proud to see our students actively participating in various academic, co-curricular, and technical activities, showcasing their commitment to learning and excellence.

I appreciate the sincere efforts of the editorial team, faculty members, and students who contributed to this magazine. Your dedication and teamwork have made this edition truly insightful and inspiring.

Let this magazine serve as a source of motivation for all of us to aim higher, think creatively, and achieve greater milestones. I wish everyone success in their academic journey and future endeavours.

Dr.M.Saadique Basha -Professor/HOD/MCA

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 todate.

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: An ability to independently carry out research/investigation and development work to solve practical problems.

PO2: An ability to write and present a substantial technical report/document.

PO3: Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

PO4: Able to select suitable data models, appropriate architecture, and platform to implement a system with good performance.

PO5: Able to design and integrate various system based components to provide user interactive solutions for various challenges.

PO6: Able to develop applications for real time environments using existing and upcoming technologies.

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 successfully conducted a **3-day Add-On Course on “Full Stack Web Development”** from **09th to 11th October 2023** at **Technology Tower, Chennai**. The course was delivered by **Mr. M. Balaji**, Web and Application Developer from **Goacademy International Pvt. Ltd.**, and attended by **60 internal participants** under the guidance of **Mr. B. S. Vijaya Baskar**, Assistant Professor/MCA.



2. The Department of MCA organized a National Level Technical Symposium – “Techno Rendezvous 2023” on 1st November 2023. The event was graced by Dr. K. Arulanandam, Head, Department of Computer Applications, Government Thirumagal Mills College, Gudiyattam, who encouraged students to explore innovation and excellence in technology.





1. FACULTY ACHIEVEMENTS

Academic Year 2023-2024(July-December)

Sl.No.	Name of the faculty	Nature of the program	Title	Venue	Date
1.	Mrs. R. Kavitha	FDP	“Cyber Security & Hacking”	SRM Institute of Science & Technology, Ramapuram Campus.	16.06.2023 To 24.06.2023
2.	Mrs. R. Kavitha	Workshop	“Advanced Research Methodology”	SRM Institute of Science and Technology, Ramapuram Campus.	03.07.2023 To 18.07.2023
3.	Ms. V. I. Sumaiya Banu,	FDP	“Artificial Intelligence and Machine	Dhanalakshmi College of	17.07.2023

			Learning”	engineering	To 21.07.2023
4.	Ms. V. I. Sumaiya Banu	FDP	“Python Programming and its Applications	SNJB’s Shri Hiralal Hastimal (Jain Brothers, Jalgaon) Polytechnic, Chandwad Nashik)	18.07.2023 & 19.07.2023
5.	Ms. V. I. Sumaiya Banu	Webinar	Digital Marketing”	Smt. Bangaramma Sajjan Arts, Commerce & Science College for Women, Vijayapu	12.08.2023
6.	Ms.V.I.SUMAIYA BANU	WEBINAR	Industry 4.0 application of Deep Learning & AI In computer vision perspectives	Presidency University, Bangalore	13.10.2023
7.	Mr.B.S.VIJAYA BASKAR	WEBINAR	Industry 4.0 application of Deep Learning & AI In computer vision perspectives	Presidency University, Bangalore	13.10.2023
8.	Ms.V.I.SUMAIYA BANU	FDP	Data Analytics with Excel- Basics to	Dayananda sagar college of Engineering	20.11.2023 to

			Advanced	Collaboration with ExcelR Edtech Pvt Ltd	01.12.2023
9.	Mr.B.S.VIJAYA BASKAR	FDP	Data Analytics with Excel-Basics to Advanced	Dayananda sagar college of Engineering Collaboration with ExcelR Edtech Pvt Ltd	20.11.2023 to 01.12.2023
10.	Mr.M.ASKAR BASHA	FDP	Data Analytics with Excel-Basics to Advanced	Dayananda sagar college of Engineering Collaboration with ExcelR Edtech Pvt Ltd	20.11.2023 to 01.12.2023
11.	Mrs.R.KAVITHA	FDP	Data Analytics with Excel-Basics to Advanced	Dayananda sagar college of Engineering Collaboration with ExcelR Edtech Pvt Ltd	20.11.2023 to 01.12.2023
12.	Mr.B.S.VIJAYA BASKAR	FDP	National Level outline FDP on Recent Trends in AI & DS	SITAMS, Chittor	03.12.2023 To 05.12.2023
13.	Ms.V.I.SUMAIYA BANU	FDP	NLP, Computer Vision and AI	Andhra Pradesh State Skill Development Corporation with ExcelR Edtech Pvt Ltd	04.12.2023 To 08.12.2023

14.	Ms.V.I.SUMAIYA BANU	WORKSHOP	SPSS in Research	Star International Foundation, Namakal	26.12.2023 To 30.12.2023
16.	Mrs.R.KAVITHA	WORKSHOP	SPSS in Research	Star International Foundation, Namakal	26.12.2023 To 30.12.2023
17.	Mr.B.S.VIJAYA BASKAR	WORKSHOP	SPSS in Research	Star International Foundation, Namakal	26.12.2023 To 30.12.2023
18.	DR.M.SADIQUE BASHA	WEBINAR	Industry 4.0: Applications of Deep Learning & AI in Computer Vision Perspectives	Presidency University	13.10.2023

2. ANNA UNIVERSITY RANK HOLDERS-(2021-2023)

2021-2023 BATCH				
S.No.	Register No.	Name	CGPA	Rank
1	510621622052	SURYA M	9.04	21
2	510621622020	JUVERIYA MARIYAM A	9.02	22
3	510621622053	SWATHI M	9.02	22
4	510621622005	CHRIS A SMITH	8.99	24
5	510621622008	DIVYA B	8.99	24
6	510621622030	MONICA V	8.90	29



STUDENTS CO-CURRICULAR ACHIEVEMENTS

1. **Md. Huzaifa** from II MCA also participated in a *Non-Technical Event* at **Eloquence 2023** on **07.10.2023**, organized by the **Department of Computer Science and Engineering, CAHCET**.
2. **Javith Basha U** from II MCA participated in *Code and Debugging* at **Eloquence '23** held on **07.10.2023**, organized by the **Department of Computer Science and Engineering, CAHCET**.
3. **Md. Huzaifa** from II MCA participated in a *Non-Technical Event* at **Infogram 2023** on **30.09.2023**, organized by the **Department of Information Technology, CAHCET**.
4. **Ramyra** from II MCA participated in the *Treasure Hunt* (Non-Technical Event) at **Infogram '23** on **30.09.2023**, organized by the **Department of Information Technology, CAHCET**.
5. **Ruby B** from II MCA participated in the *Connection* (Technical Event) at **Infogram '23** on **30.09.2023**, organized by the **Department of Information Technology, CAHCET**.
6. **Roja** from II MCA participated in *Paperfest, Poster Presentation, and Mime Act* at the **National Level Seminar on IoT and IT Meet** held on **21.09.2025**, organized by the **Department of Computer Applications and IQAC, ULA, KMG College of Arts and Science, Gudiyattam**.

EVEN SEMESTER ACTIVITIES - (2023-2024)

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.





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04/17/2024 10:00 AM GMT+05:30
Note : Captured by GPS Map Camera



Ranipet, TN, India

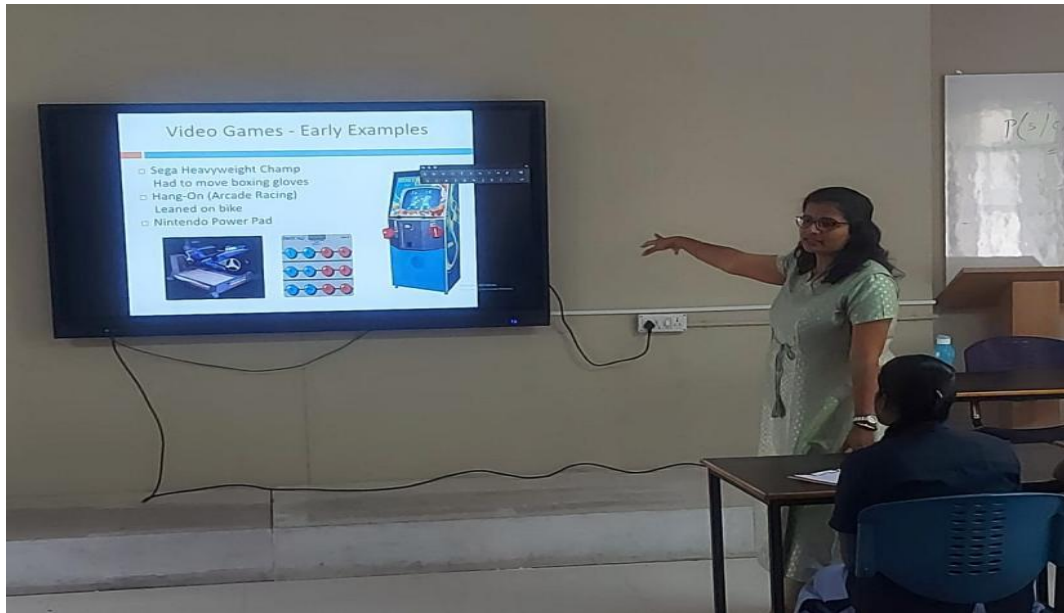
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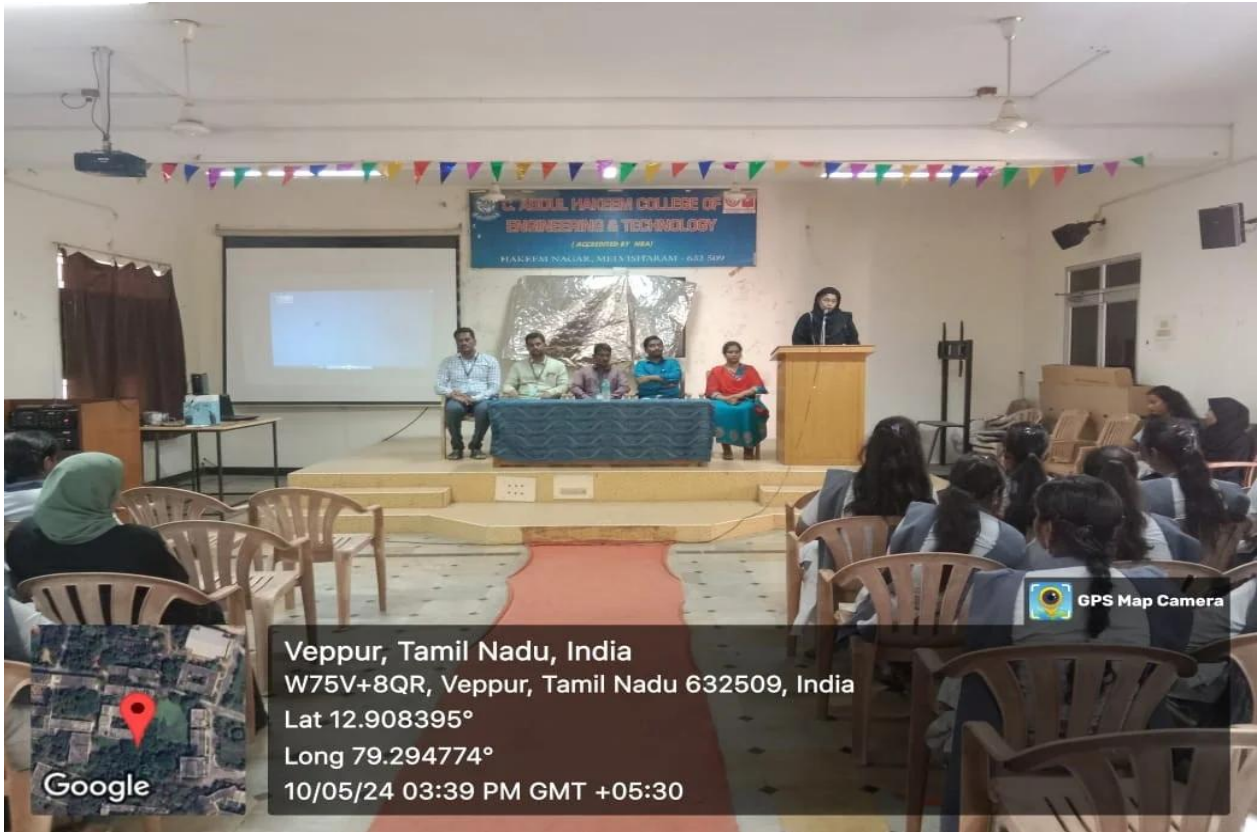
3. The Department of MCA successfully conducted an **Innovative Workshop on “Advanced Database Technology”** from 24th to 25th April 2024 at Technology Tower, Chennai. The workshop was led by **Dr. B. Ezhilavan**, Managing Director of **VEI Technologies Pvt. Ltd., Chennai**, and attended by **60 participants**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



**FACULTY EDITOR : B S VIJAYA BASKAR
AP/MCA**

**STUDENT EDITOR : PRADHEEP GOWTHAM K P
I MCA**



**"Empowering minds with code, shaping the
future with innovation – MCA leads the
way."**