



**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**

JANUARY TO JUNE 2025

VOLUME-3 ISSUE-2

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

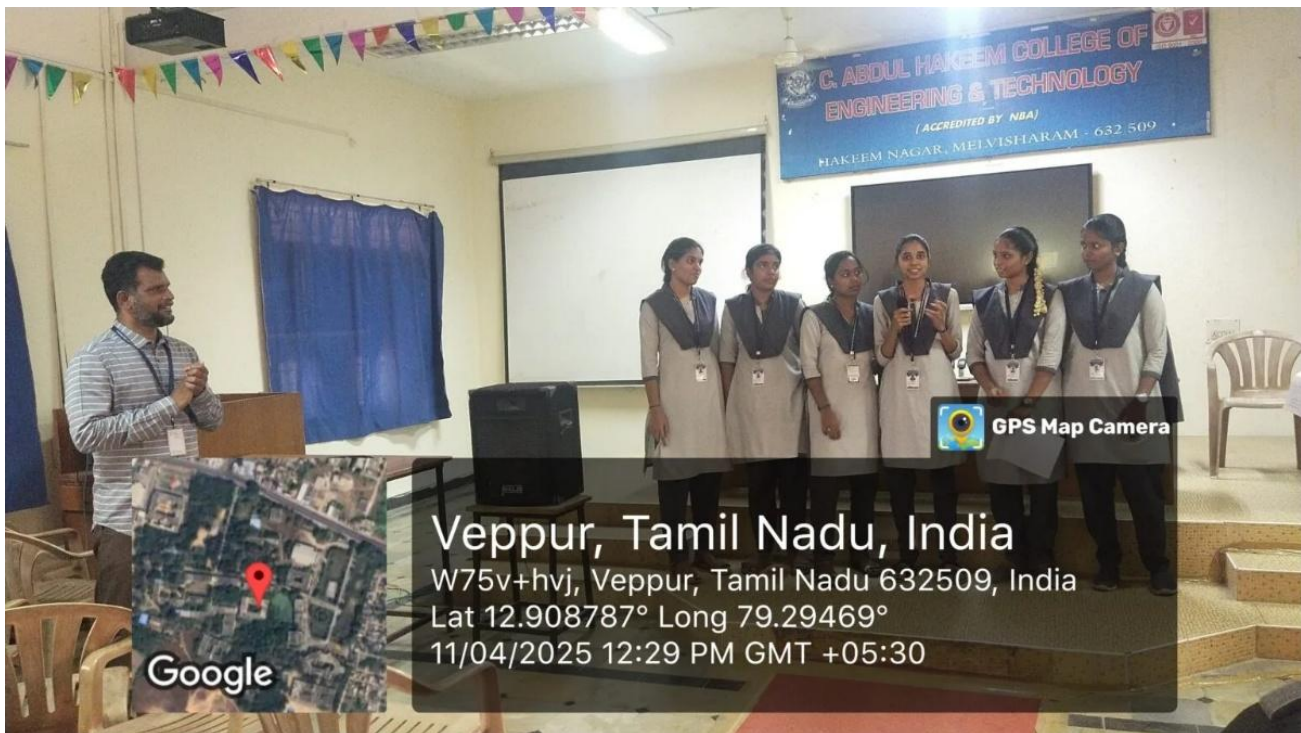
1.The IIC Event Organized by the Departments of IT and MCA at MMES Women's Arts and Science College, on 26.2.2025.



2.The Department of MCA organized an 'Entrepreneurship Program – START-UP BLUEPRINT' on April 9, 2025- Dr. Shuaib Ahmed- AP/MBA.



3.The Department of MCA conducted an “Innovative workshop on IPR” on 11th April 2025- Dr.M.Saadique Basha-Professor/Head/MCA.



4.The Department of MCA successfully conducted an “Innovative and Creative Workshop on Full Stack Web Development” on 16th and 17th April 2025. We were honored to have Mr. Rishi Kumar S and Mr. Annamalai K M, esteemed professionals from TECHKNOTS ACADEMY LLP, Chennai, as the resource persons for the event. Their expertise and practical insights greatly enriched the learning experience of all attendees.



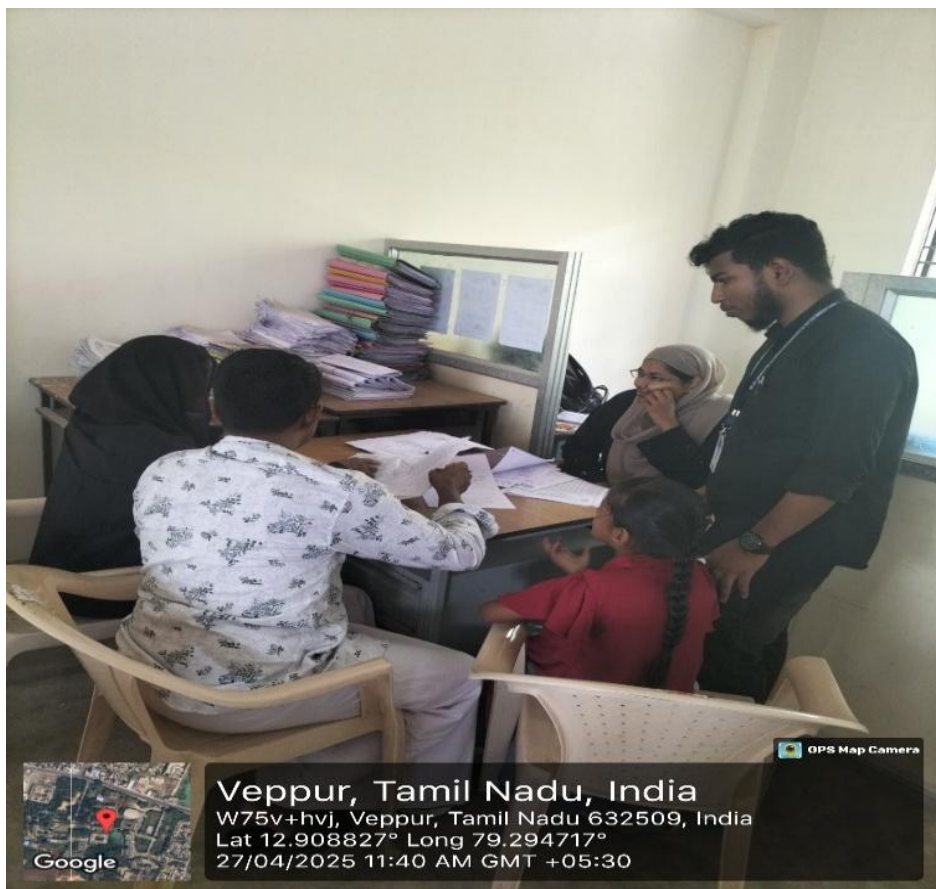
5.The Department of Master of Computer Applications has successfully conducted a Two-Days Innovative Workshop on “NextGen Data: Exploring NoSQL” on 22nd and 23rd April 2025.The session was enriched by Dr. B. Ezhilavan and his team, who provided excellent insights and hands-on knowledge, greatly enhancing the learning experience for all participants.



6.The Department of MCA organized a Farewell Day celebration, conducted by the I MCA students, on 27th April 2025 to bid farewell to the outgoing II MCA batch.



7.The Department of MCA conducted a Parent-Teacher Meeting on 28th April 2025 for both I MCA and II MCA students to discuss academic progress and overall development.



8.The Department of Master of Computer Applications has organized “An Innovative Workshop on Intellectual Property Rights (IPRs) and IP Management for Startup” on 30.4.2025.



9. We are delighted to announce the sparkling winners of “An Innovation and Design Contest-Project Expo 2K25” a grand display of creativity, technical skills, and innovation. The event witnessed enthusiastic participation from talented students who presented their groundbreaking project ideas on 13.5.2025.



10. We are proud to announce that our talented II MCA students from CAHCET have been successfully placed in OPTI SUPPLY AI Pvt. Ltd. ON 07-05-2025.



FACULTY ACHIEVEMENTS

1.FACULTY PARTICIPATION OF ATAL,NON ATAL FDP,WORKSHOP,WEBINAR,SEMINAR ETC.,

Academic Year 2024-2025(EVEN SEM)

S. N O.	NAME OF THE FACULTY	NATURE OF THE PROGRAM	TITLE	VENUE	DATE
1	SUMAIYA BANU V I	FDP	GENERATIVE AI AND PROMPT ENGINEERNG	NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE	21.4.2025 TO 25.4.2025
2	SUMAIYA BANU V I	WEBINAR	COMMUNICATION: THE SECRET WEAPON FOR SUCCESS	PUBLIC RELATIONS SOCIETY OF INDIA, CHENNAI	4.4.2025
3	B.S.VIJAYA BASKAR	NON ATAL FDP	6 DAYS FDP ON “WEBSITE DEVELOPMENT”	CAHCET-CONFERENCE HALL(OFFLINE)	MARCH 5TH TO 11TH - 2025
4	SUMAIYA BANU V I	WORKSH OP	RESEARCH METHODOLOGY AND PUBLICATION ETHICS	STAR INTERNATIONAL FOUNDATION FOR RESEARCH AND EDUCATION	5.3.2025 TO 11.3.2025
5	SUMAIYA BANU V I	WEBINAR	WHY MEDIA LITERACY IS ESSENTIAL IN TODAY’S PR	PUBLIC RELATIONS SOCIETY OF INDIA	22.2.2025
6	R.KAVITHA	WEBINAR	WHY MEDIA LITERACY IS ESSENTIAL TODAY	Public Relation Society of India, Chennai	22.02.202 5
7	SUMAIYA BANU V I	FDP	EMERGING TRENDS AND TECHNOLOGIES USING VARIOUS NETWORK TECHNIQUES	ST.JOSEPH’S COLLEGE	17.2.2025 TO 21.2.2025
8	SUMAIYA BANU V I	FDP	CYBER SECURITY	SAPTHAGIRI NPS UNIVERSITY, BANGALORE	14.2.2025 TO 20.2.2025
9	R.KAVITHA	FDP	EMERGING TRENDS & TECHNOLOGIES USING VARIOUS NETWORK TECHNIQUES	ST.JOSEPH’S COLLEGE(ARTS & SCIENCE), CHENNAI.	17-02- 2025 TO 21-02- 2025
10	SUMAIYA	WEBINAR	CULTIVATING	TAKSHASHILA	16.2.2025

	BANU V I		MENTAL WELL-BEING FOR ACADEMIC EXCELLENCE	UNIVERSITY, VILLUPURAM	
11	B.S.VIJAYA BASKAR	NON ATAL FDP	5 DAYS FDP ON “FUTURE GENERATION NETWORKING ORGANIZED”	PRESIDENCY UNIVERSITY,BANGALORE.(ONLINE)	FEB 17 TO 21 – 2025
12	SUMAIYA BANU V I	ATAL FDP	STRATEGIC APPROACHES AND EMERGING TRENDS IN DATA SCIENCE	FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)	10.2.2025 TO 15.2.2025
13	SUMAIYA BANU V I	WEBINAR	THE RISE OF ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG) COMMUNICATION IN PR	PUBLIC RELATIONS SOCIETY OF INDIA	8.2.2025
14	B.S.VIJAYA BASKAR	WEBINAR	ONE DAY WEBINAR ON THE “RISE OF ENVIRONMENT SOCIAL AND GOVERNANCE”	PUBLIC RELATION SOCIETY OF INDIA,CHENNAI CHAPTER.(ONLINE)	FEB 8TH 2025
15	SUMAIYA BANU V I	E-QUIZ	INTERNATIONAL WOMEN’S DAY	CELL FOR WOMEN AND GENDER STUDIES (CWGS), CANARA COLLEGE, MANGALURU	8.4.2025
16	SUMAIYA BANU V I	FEP	ADVANCED PEDOGOGY IN EDUCATION AND RESEARCH	CAHCET	3.2.2025 TO 9.2.2025
17	B.S.VIJAYA BASKAR	FEP	6 DAYS FDP ON “ADVANCED PEDAGOGY IN EDUCATION AND RESEARCH“	CAHCET-EEE SEMINAR HALL(OFFLINE)	FEB 3RD TO 9TH FEB 2025
18	R.KAVITHA	FEP	ADVANCED PEDOGOGY IN EDUCATION AND RESEARCH	CAHCET	3.2.2025 TO 9.2.2025
19	SUMAIYA BANU V I	FDP	GEN AT AND CHAT GPT APPLICATION IN THE INDUSTRY	SJC INSTITUTE OF TECHNOLOGY	27.1.2025 TO 31.1.2025
20	DR.M.SADIQUE BASHA	ATAL FDP	ADVANCEMENTS IN TELEHEALTH INDUSTRY USING IOT	KONERU LAKSHMAIAH EDUCATION FOUNDATION DEEMED TO B UNIVERSITY OFF CAMPUS AZIZNAGAR HYDERABAD	20/01/2025 TO 25/01/2025

21	B.S.VIJAYA BASKAR	ATAL FDP	6 DAYS ATAL FDP ON CERTIFICATE“AI-DRIVEN EDUCATIONAL TECHNOLOGIES FOR ENHANCED TEACHING AND LEARNING”	K K WAGH INSTITUTE OF ENGINEERING EDUCATION & RESEARCH, NASHIK(ONLINE)	JAN 20 TO JAN 25 -2025
22	SUMAIYA BANU V I	ATAL FDP	IMPORTANCE OF ARTIFICIAL INTELLIGENCE IN ROBOTICS	INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING	20.1.2025 TO 25.1.2025
23	R.KAVITHA	ATAL - FDP	AWS CLOUD COMPUTING – TOOLS & SERVICES	ADITYA COLLEGE	19-01-2025 TO 24-01-2025
24	R.KAVITHA	MOOC	Virtualization & Cloud Computing	Infosys Springboard	18-01-2025
25	SUMAIYA BANU V I	ATAL FDP	3D PRINTING FOR BIOMEDICAL APPLICATIONS: SHAPING THE FUTURE OF HEALTHCARE IN INDUSTRY 4.0	NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA	13.1.2025 TO 18.1.2025
26	R.KAVITHA	SEMINAR	Expert Talk on Process of Innovation Development, Technology Readiness level (TRL)	RGCMS, Mumbai	09-01-2025
27	SUMAIYA BANU V I	ATAL FDP	ENHANCING NETWORK PERFORMANCE WITH AI AND MACHINE LEARNING THROUGH USE CASE APPROACH	IILM UNIVERSITY, GURUGRAM	6.1.2025 TO 11.1.2025
28	B.S.VIJAYA BASKAR	SEMINAR	ONE DAY SEMINAR ON PROCESS OF INNOVATION DEVELOPMENT, TECHNOLOGY READINESS LEVEL(TRL),RGCMS -MUMBAI	RAJEEV GANDHI COLLEGE OF MANAGEMENT STUDIES,MUMBAI.(ONLINE)	9-JAN 2025
29	B.S.VIJAYA BASKAR	NON ATAL FDP	6 DAYS FDP ON FUTURISTIC PATHWAYS TECHNOLOGY AND COMPUTATIONAL METHODOLOGIES	MARY MATHA CASHENI.(ONLINE)	6TH TO 11TH OF JANUARY 2025

2,FACULTY JOURNAL PUBLICATIONS

- BSV Baskar, R Kesavan ,”Assessments of Student’s Adaptability Using Convolved Geyser Bidirectional Long Short-Term Memory in Online Education”, International Journal of Computational Intelligence Systems ,Volume 18, article number 24, (2025).

3.FACULTY INTERNATIONAL CONFERENCE PARTICIPATION

1. Dr. Murtaza Saadique Basha, Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology,Melvisharam has presented a research paper titled “A Study on Implementing Load Balancing in Cloud Computing Using Divisible Load Scheduling Theory Over Microsoft Azure and Salesforce Data Centres” at the 5th International Conference on Intelligent Technologies (CONIT 2025) held from 20th to 22nd June 2025.
2. Dr. Murtaza Saadique Basha, Professor, actively participated in International Conference on “Technology and Advancement in Computing Applications” entitled in “Sign language detection and translation using machine learning approaches”organized by C. Abdul Hakeem College of Engineering and Technology (CAHCET) on 16th & 17th May 2025.
3. Mr.B.S.Vijaya Baskar ,AP/MCA actively participated in International Conference on “Technology and Advancement in Computing Applications” entitled in “Prediction of Liver Disease Stages using Machine Learning Algorithms” organized by C. Abdul Hakeem College of Engineering and Technology (CAHCET) on 16th & 17th May 2025.
4. Ms. V. I. Sumaiya Banu,AP/MCA actively participated in International Conference on “Technology and Advancement in Computing Applications” entitled in “REAL TIME AGE AND GENDER PREDICTION USING CAFFE MODEL AND OPENCV”organized by C. Abdul Hakeem College of Engineering and Technology (CAHCET) on 16th & 17th May 2025.
5. Mrs.R.Kavitha,AP/MCA actively participated in International Conference on “Technology and Advancement in Computing Applications” entitled in “Real Time Criminal Identification System Based on Face Recognition” organized by C. Abdul Hakeem College of Engineering and Technology (CAHCET) on 16th & 17th May 2025.
6. Dr. Murtaza Saadique Basha, Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, has actively participated and presented a paper titled "Security Enhancement in Blockchain and Cloud Computing using SM9 Dependent Attribute-Based Encryption" at the ICSEIT 2K25 held on 11th and 12th April 2025 at Stella Mary's College of Engineering (Autonomous), Kanniyakumari.
7. Mr. B. S. Vijaya Basakr, Assistant Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, has actively participated and presented a paper titled “Utilizing OLAMLTs to Evaluate Students' Adaptability to Online Learning and Promote Sustainability in Online Education” at the ICSEIT-2025, held on 11th and 12th April 2025 at Stella Mary's College of Engineering (Autonomous), Kanniyakumari.

8. Ms. R. Kavitha, Assistant Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, has actively participated and presented a paper titled “Explainable Content-Aware Brain Tumor Detection in MRI Images” at the ICSEIT-2025, held on 11th and 12th April 2025 at Stella Mary's College of Engineering (Autonomous), Kanniyakumari.
9. Mr. B. S. Vijaya Baskar, Assistant Professor, MCA Department, has successfully participated in and presented a paper entitled "Survey of Online Education with an Eye on Challenges and Future Prospects" at the International Conference on Computational Intelligence (ICCI-2025). The conference was organized by the Department of Information Technology, Computer Science and Business Systems, K. Ramakrishnan College of Engineering (Autonomous), Trichy, in association with VEI Technologies, Chennai, and was held on 21st and 22nd March 2025.
10. Dr. Murtaza Saadique Basha C. Abdul Hakeem College of Engineering & Technology, Melvisharam, Presented a paper titled: "A Study to Increase the Performance of FP-Growth Method Using Dimension Tree Technique on Huge Volumes of Data" at the IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2025), organized by the IEEE MP Section and ABV-IIITM Gwalior, India, held from 6–8 March 2025.

4.FACULTY NATIONAL CONFERENCE PARTICIPATION

1. Ms. V. I. Sumaiya Banu actively participated in National Conference on “Emerging Trends in Engineering, Technology and Management” entitled in “EEcomFraud: Ensemble Machine Learning Algorithms for E-commerce Fraud Detection” held at GRT Institute of Engineering and Technology, Tiruttani on 7th May 2025.

5.FACULTY NPTEL CERTIFICATION

S.NO	NAME OF THE FACULTY	DESIGNATION	NPTEL COURSE NAME	CERTIFICATION
1	MURTAZA SAADIQUE BASHA (COMPLETED SUCESSFULLY)	PROFESSOR	SOFTWARE TESTING	
2	V I SUMAIYABANU (COMPLETED SUCESSFULLY)	ASSISTANT PROFESSOR	MACHINE LEARNING	
3	B S VIJAYA BASKAR (ELITE WITH COMPLETED SUCCESSFULLY)	ASSISTANT PROFESSOR	DATA MINING	

STUDENTS CO-CURRICULAR ACHIEVEMENTS

1. We are happy to share that the Department of Master of Computer Applications successfully organized the **Innovation and Design Context – Project Expo '25** on *13th May 2025*. This self-driven event provided a platform for our students to present their innovative ideas and project work with creativity and enthusiasm.

We take great pride in announcing the winners of this event:

First Prize – Hemapriya. N -II MCA

Second Prize – Akash M - II MCA



Third Prize – Pradheep Gowtham K. P - II MCA



2. We are happy to announce that **Ms. Hemapriya N** a student of **II MCA**, has secured **First Place** in the Inter-Department College Project Competition for her innovative project titled "Sign Language Detection and Translation Using Machine Learning Approaches" conducted on 8th May 2025. Additionally, on behalf of Department of MCA, the following students were selected by the jury members.

- ◇ **Mr. Karthikeyen P – Second Place**
- ◇ **Ms. Yogalakshmi K – Third Place**

STUDENT NPTEL CERTIFICATION

S. N O	ROLL NO	NAME OF THE STUDENT	BATCH	ACADEMIC YEAR	YEAR	NPTEL COURSE NAME	CERTIFICATION
1	MCA2330	Parveen Simnash.S	2023-2025	2024-2025	II MCA	Software Testing	 <p>NPTEL ONLINE CERTIFICATION (Funded by the MoE, Govt. of India)</p> <p>This certificate is awarded to S PARVEEN SIMNASH for successfully completing the course</p> <p>Software Testing</p> <p>with a consolidated score of 55 %</p> <p>Online Assignments 20/1725 Proctored Exam 34/575</p> <p>Total number of candidates certified in this course: 2466</p> <p>Jan-Feb 2025 (4 week course)</p> <p>Indian Institute of Technology Kharagpur</p> <p>Prof. Naimanti Banerji Coordinator, NPTEL IT Kharagpur</p> <p>swayam</p> <p>Roll No: NPTEL23C5685446700633 To verify the certificate No. of credits recommended: 1 or 2</p>
2	MCA2356	Vaishnavi. V	2023-2025	2024-2025	II MCA	Programming, Data structure and Algorithm using Python	 <p>NPTEL ONLINE CERTIFICATION (Funded by the MoE, Govt. of India)</p> <p>This certificate is awarded to VAISHNAVI V for successfully completing the course</p> <p>Programming, Data Structures And Algorithms Using Python</p> <p>with a consolidated score of 55 %</p> <p>Online Assignments 25/25 Proctored Exam 30/75</p> <p>Total number of candidates certified in this course: 1792</p> <p>Jan-Mar 2025 (8 week course)</p> <p>Prof. Andrew Thompson Chair Centre for Software and Digital Education, IITM</p> <p>Indian Institute of Technology Madras</p> <p>Prof. Vignesh Muthurajagan NPTEL Coordinator IIT Madras</p> <p>swayam</p> <p>Roll No: NPTEL23C5685446700643 To verify the certificate No. of credits recommended: 2 or 3</p>

INNOVATIVE TEACHING

1. QUIZ EVENT IN THE TOPIC NO SQL AND XML ON 29-04-2025 –I MCA/II SEM-2024-2025 CONDUCTED BY B.S.VIJAYA BASKAR,AP/MCA.



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

- IIC Self-Driven Activities
- Innovative workshop on “Next-Gen Networking: Exploring IoT Technologies”
- Innovative Workshop on “Emerging Trends in Machine Learning”
- A National Level Technical Level Symposium “Techno Rendezvous-2025”
- Freshers Day for I MCA Students hosting by II MCA
- Value Added Course on Java and UI/UX Development for I MCA
- Guest Lecture for II MCA
- Alumni Interaction

EDITORIAL BOARD

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

STUDENT EDITOR:PRADHEEP GOWTHAM K P-II MCA.

