



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

NEWS LETTER

Academic Year 2025-2026

**January JANUARY TO JUNE
VOLUME-4 & 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	Design and develop computer applications by applying programming, database, networking, and system software knowledge to meet real-world requirements.
PSO2	Apply modern computing technologies and frameworks, including AI, cloud, and web platforms, to build efficient, user-friendly, and secure applications.

PROGRAM OUTCOMES

- PO1 :** Apply knowledge of mathematics, programming logic and coding fundamentals for solution architecture and problem solving.
- PO2 :** Identify, review, formulate and analyse problems focusing on customer requirements using critical thinking frameworks.
- PO3:** Design, develop and investigate problems with an innovative approach for solutions incorporating ESG/SDG goals.
- PO4:** Select, adapt and apply modern computational tools and algorithms with an understanding of limitations and human biases.
- PO5 :**Function and communicate effectively as an individual or a team leader in diverse and multidisciplinary groups.
- PO6 :** Use project management principles and financial concepts for profitable project management.
- PO 7 :** Commit to professional ethics in managing software projects and ensuring cybersecurity and customer protection.
- PO 8 :** Develop change management skills and continuously learn contemporary technologies and ways of working.

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.

MCA DEPARTMENT FOCUS

The MCA Department is committed to academic excellence, innovation, and professional development, with a strong emphasis on nurturing technically skilled and industry-ready graduates.

OUR FOCUS AREAS

“The MCA Department shapes minds to build tomorrow’s technology.”

“Where computing knowledge meets innovation.”

“Transforming students into technology professionals.”

“Learning, coding, and creating solutions for the digital world.”

“Empowering future IT leaders through quality education.”

“Code with purpose, innovate with passion.”

“Every algorithm learned is a step toward excellence.”

“Logic today creates solutions for tomorrow.”

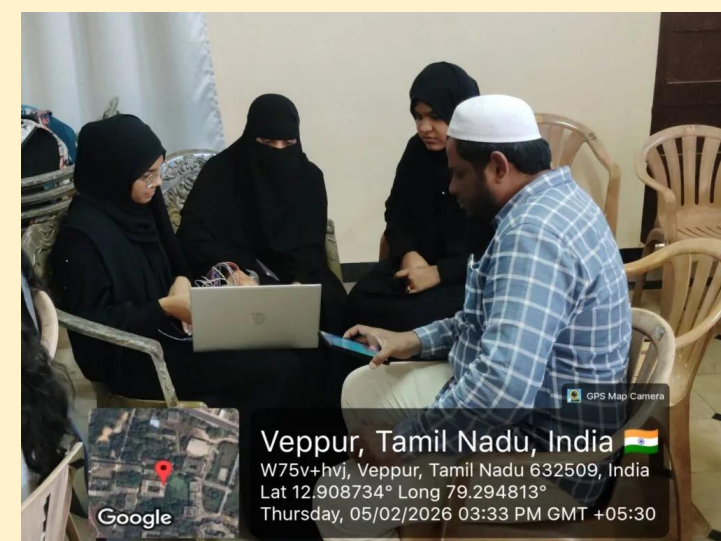
“From classroom to codebase — the MCA journey.”

“Building strong foundations in computing and applications.”

EVENTS ORGANIZED FROM MCA DEPARTMENT

1. The Department of Master of Computer Applications successfully organized the Mini Project Expo '2K26 on 5th February 2026 for II MCA students. The event was honored by the presence of Dr. S. Umamaheswari, Professor and Head, Department of IT, CAHCET, as the Chief Guest. The program was coordinated by V. I. Sumaiya Banu, Assistant Professor, MCA.

The Principal and Vice Principal also made their presence, encouraging the students, which contributed to the event becoming a huge success.



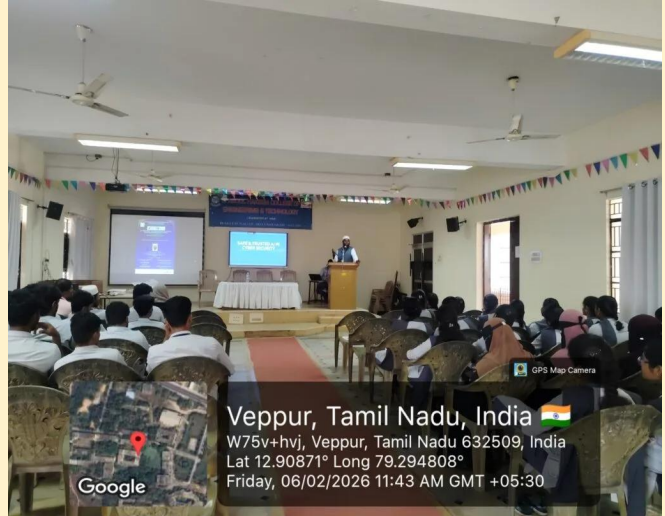
“Showcasing Innovation, Inspiring the Future.”

“From Concepts to Creations – Explore the Journey.”

“Discover. Design. Develop. Deliver.”

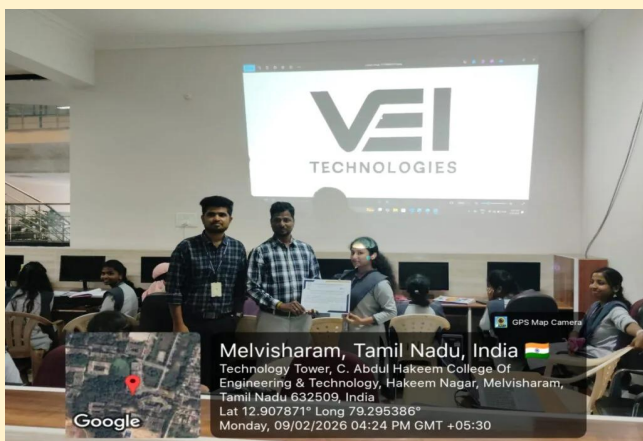
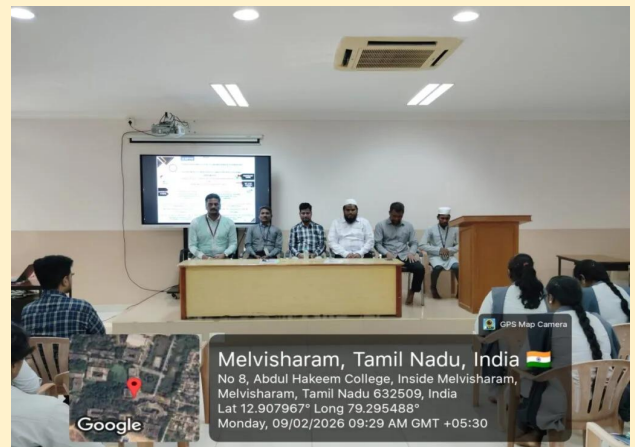


2. An IIC–MIC driven activity on “AI for Atmanirbhar Bharat” with the theme “Safe and Trusted AI” was organized by the Department of MCA on 6th February 2026. Dr. R. Z. Inamul Hussain, Associate Professor/CSE, CAHCET, was the Resource Person. The event was coordinated by V. I. Sumaiya Banu, AP/MCA, and was graced by the Vice Principal, CAHCET.



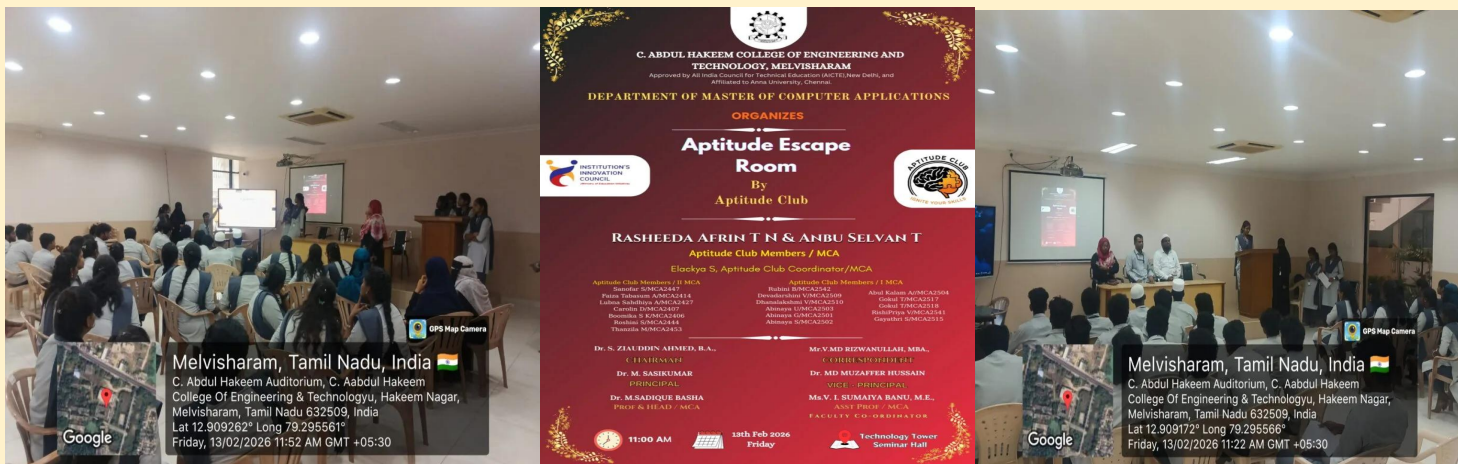
3. The Department of MCA organized a Two-Days Workshop on “MEAN Stack Boot-Up” to enhance students’ full-stack development skills conducted on 09th and 10th February 2026,

The session was led by Dr. B. Ezhilavan, Managing Director, and Mr. H. Sithick, Developer & Technical Trainer- Team , VEI Technologies Pvt. Ltd., Chennai, along with their team. The event was presided over by Dr. M. Sasikumar, Principal, Dr. Mohammed Muzaffar Hussain , Vice-Principal . The workshop was coordinated by Mr. B. S. Vijaya Baskar – Program Coordinator and Dr. M. Saadique Basha – HOD/MCA.

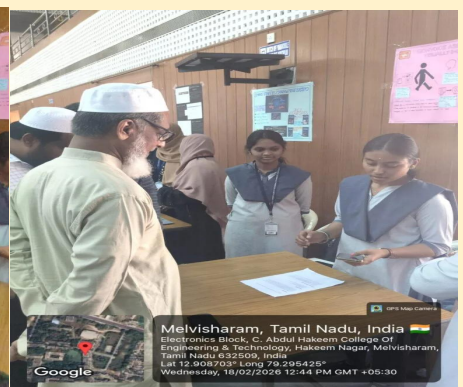


The program was coordinated by Ms. V. I. Sumaiya Banu, AP/MCA, who ensured the smooth planning and execution of the event. The activity aimed to enhance students' aptitude, logical thinking, problem-solving abilities, and teamwork skills through an interactive and engaging learning experience.

The event received enthusiastic participation from students and contributed significantly to improving their analytical and reasoning capabilities.



6.The students of Master of Computer Applications have participated in Institutional Mini Project Innovation Expo 2026 held on 18th February 2026 and the Mini Project entitled “VisionVoice Assistant-An AI Based Mobile Application for Visually Impaired People” done by “K. Divya, R. V. Vidhya lakshmi, S. Sandhiya, and D. Maheshwari” has secured 5th position.



7.The Department of Master of Computer Applications has organized an IIC Calendar Activity “A Workshop on Protecting IPR and IP Management for Start-ups” on 11th March 2026, Dr. M. Sadique Basha, Professor & Head/MCA, CAHCET was the resource person coordinated by Ms. Sumaiya Banu V I – AP/MCA.



8. The Data Science Club Activity was successfully conducted on 27-03-2026 by the Department of MCA. The event was organized with the objective of enhancing students’ analytical thinking, technical knowledge, and problem-solving skills in the field of Data Science.

The program was effectively coordinated by Mr. R. Ameen Sheriff, AP/MCA, along with active support from student coordinators Yuvaraj and team (II MCA) and Gayathri S and team (I MCA). Their collaborative efforts ensured the smooth execution of the event.

A variety of engaging and knowledge-based rounds were conducted to encourage participation and learning among students. The rounds included:

- **Rapid Quiz**
- **Jumbled Words**
- **Tools Finding**
- **Data Interpretation**
- **Myth or Fact**
- **Practical sessions using Microsoft Excel and Microsoft Power BI**

These activities helped students explore key concepts in data handling, visualization, and decision-making in an interactive manner.



9. The Department of Master of Computer Applications has organized a R & D Cell – Idea Cafe Activity “Annual Research Conclave”, a platform to showcase the creative and innovative research ideas on 1st April 2026, Dr. P. Mohamed Sajid, Head/EEE and Dr. N. Gayathri Devi, Associate Professor/IT were the judges/reviewers coordinated by Ms.Sumaiya Banu V I – AP/MCA.



10. The Department of Master of Computer Applications has organized a R & D Cell – Idea Cafe Activity “IP Awareness and Patent Filing Workshop” on 7th April 2026, Dr. M. Sadique Basha, Professor and Head/MCA, CAHCET was the resource person Coordinated by Sumaiya Banu V I – AP/MCA .



11.The Department of Master of Computer Applications (MCA) organized a Two-Days Industry Oriented Course on “Cyber Security” on 09th and 10th April 2026, with the objective of enhancing students’ Cyber Security skills and providing hands-on industry exposure.

The session was led by Dr. B. Ezhilavan, Managing Director, and Mr. S. Mohanasundar & Technical Trainer, VEI Technologies Pvt. Ltd., Chennai, along with their technical team.

The event was presided over by Dr. M. Sasikumar, Principal, and Dr. Mohammed Muzaffar Hussain, Vice-Principal. The workshop was coordinated by Mr. B. S. Vijaya Baskar, AP / MCA Program Coordinator, and Dr. M. Saadique Basha, HOD/MCA.

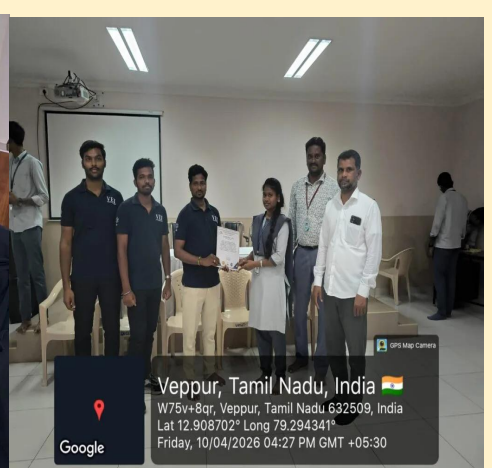
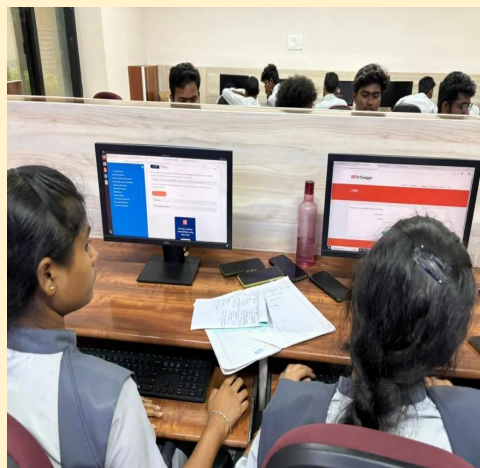
Day 1 : : Covered topics along with Practical Session

- 1. Cybersecurity: Protects systems and data using CIA triad (Confidentiality, Integrity, Availability).**
- 2. Cyber Threats: Malware, phishing, ransomware, DoS, and SQL injection.**
- 3. Core Concepts: Authentication, encryption, firewalls, and risk management.**
- 4. Ethical Hacking:**
Types – White, Black, Grey hackers
Tools – Kali Linux, Metasploit, Wireshark
- 5. Linux & IP Tracking: Basic commands + find IP & location using Python (Colab).**
- 6. Nmap: Nmap used for port scanning and security analysis.**



Day 2 : : Covered topics along with Practical Session

- 1) Phases of Cybersecurity: Identify, Protect, Detect, Respond, Recover.**
- 2) Threat Detection: Analyze emails, logs, and links to identify attacks.**
- 3) XSS Attack: Inject malicious scripts to steal user data.**
- 4) Website Vulnerabilities: SQL Injection, HTML Injection, Input Validation issues, Scripting Injection.**
- 5) Practice Labs: Use PortSwigger Web Security Academy in Ubuntu environment.**
- 6) Tools & Dorking: Browser extensions + Google dorks (site:, intitle:, inurl:).**

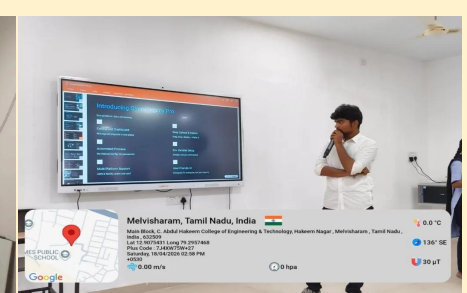
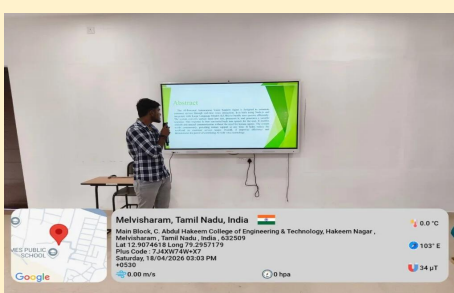
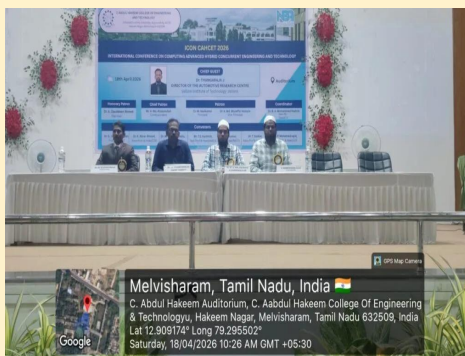




12.The Department of Master of Computer Applications organized Project Expo'2k26 on 13th April 2026, Dr. M. Sadique Basha, Professor & Head/MCA was the Chief Guest coordinated by Sumiya Banu V I – AP/MCA.



13.The Departments of MCA, IT, AI&DS, and CSE jointly conducted ICON CAHCET 2026 – Track 1 (ICTACA' 2026) on 18-04-2026. The session was delivered by Dr. Thangaraja J, Director of the Automotive Research Centre at Vellore Institute of Technology, Vellore and was coordinated by Dr.M.Saadique Basha , Head/Prof./MCA ,B. S. Vijaya Baskar,AP/MCA and all faculty members from MCA for MCA Track 1. The event was graced by the presence of Principal Dr. M. Sasikumar and Vice Principal Dr. Md. Muzaffar Hussain , along with the ICON Coordinator Dr. B. A. Md. Hashilm , Head / Assoc.Professor / ECE and was conducted successfully with active participation from various external college students.





C.ABDUL HAKEEM COLLEGE OF ENGINEERING AND TECHNOLOGY

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ICON CAHCET 2026
INTERNATIONAL CONFERENCE ON COMPUTING ADVANCED HYBRID CONCURRENT ENGINEERING AND TECHNOLOGY



18th April 2026



CHIEF GUEST
Dr. THANGARAJA J
DIRECTOR OF THE AUTOMOTIVE RESEARCH CENTRE
Vellore Institute of Technology ,Vellore.



Auditorium

CHAIRMAN
Dr.S.Ziauddin Ahmed

CORRESPONDENT
Mr. V.Md.Rizwanullah

PRINCIPAL
Dr. M. Sasikumar

VICE PRINCIPAL
Dr. A. Md.Muzaffar Hussain

COORDINATOR
Dr. B. A. Md.Hashim

Track 1
Technology and Advancement in Computing Applications [TACA]
Theme:-

- Generative AI& Large Language Models
- Securing IT Systems
- AI & Machine Learning
- Data Science & Analytics
- Digital Transformation
- Block chain & Cryptography
- Intelligence at the Edge
- Computer Networks
- Nature-Inspired Computing

Track 2
Artificial Intelligent Systems for Sustainable Solutions (AIS3)
Theme:-

- Internet of Things
- Sensor Networks
- Embedded Systems
- VLSI Technology
- 5G Communication Systems
- Signal & Image Processing
- Wireless Communication
- Antenna & Microwave Engineering
- Nanotechnology
- Biomedical Engineering
- AR and VR
- Nature-Inspired Computing

Track 3
Artificial Intelligence for Power and Energy System (AIPES)
Theme:-

- Power Systems
- Power Electronics
- E-Mobility and Transportation
- Renewable Energy Systems
- Micro Grids
- Energy Storage Technologies
- Robotics & Automation
- Special Electrical Machines
- Power Electronics in Embedded Systems

Track 4
Advances in Mechanical and Building science [AMBS]
Theme:-

- CAD/CAM/CIM/FMS
- Manufacturing Process
- Automation and Robotics
- Additive Manufacturing
- IC / Cryogenic Engines
- Automobile / Composite materials
- Nano- Fluids/Fluid Dynamics
- Earth Quake Resistant Structure
- Energy Management
- Waste Water Treatment
- Structural Design

14.The Department of Master of Computer Applications is organizing a One-Day Innovative and Creative “MEAN Stack “Design, Develop, Deploy” – Project Showcase Powered by Techno Code Club ” on 04.05.2026 (Monday) from 1:30 p.m. to 4:30 p.m. at the Vice Principal’s Room, Main Block, powered by the MCA Techno Code Club Activity, judged by Dr.Md.Muzaffar Hussain-VP/CAHCET Coordinated by B.S.Vijaya Baskar , AP/MCA.



“Innovate, Implement, Impact – the journey of every MCA professional.”



FACULTY ACHIEVEMENTS

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

Academic Year 2025-2026(EVEN SEM)

S. No	Name of the Faculty	Nature of the Program	Title	Venue	Date
1.	B.S. VIJAYA BASKAR	1 DAY FDP	DIGITAL TWIN AND SMART SYSTEM	CONDUCTED BY GTEC AND PENCILBITZ ,VELLORE DISTRICT-ONLINE	02-06-2026
2.	SUMAIYA BANU V I	NPTEL – AICTE FDP	DEEP LEARNING	IIT ROPAR - ONLINE	JAN 2026 TO APRIL 2026 (12 WEEKS)
3.	B.S. VIJAYA BASKAR	MOOC	INTRODCUTION TO FRONT END DEVELOPMENT	COURSERA - ONLINE	6 MONTHS
4.	DR.M.SAADIQUE BASHA	FDP	NEXT GENERATION SOFTWARE ENGINEERING	SIMATS ENGINEERING COLLEGE , DEPARTMENT OF CYBER SECURITY THANDALAM,CHENNAI-(ONLINE)	3.3.2026 TO 7.3.2026
5.	B.S. VIJAYA BASKAR	5 DAYS INTERNATI ONAL FDP	NEXT GENERATION SOFTWARE ENGINEERING	SIMATS ENGINEERING COLLEGE , DEPARTMENT OF CYBER SECURITY THANDALAM,CHENNAI-(ONLINE)	03-03-2026 TO 07-03-2026
6.	SUMAIYA BANU V I	FDP	NEXT GENERATION SOFTWARE ENGINEERING	SIMATS ENGINEERING COLLEGE ,	3.3.2026 TO 7.3.2026
7.	AMEEN SHERIFF R	5 DAYS INTERNATI ONAL FDP	NEXT GENERATION SOFTWARE ENGINEERING	DEPARTMENT OF CYBER SECURITY THANDALAM,CHENNAI-(ONLINE)	03 TO 07.03.2026

8.	AMEEN SHERIFF R	NATIONAL LEVEL WORKSHOP	BEST PRACTICES FOR EFFECTIVE CITATION AND REFERENCING IN PHD THESIS AND RESEARCH PUBLICATIONS.	INSTITUTE OF SCHOLARLY RESEARCH AND TRAINING-ONLINE	21. MAR 2026
9.	B.S. VIJAYA BASKAR	1 WEEK FDP COURSE	DIGITAL APPLICATION FUNDAMENTALS	FUTURE SKILLS PRIME- NASSCOM IN COLLABARATION WITH INDUSTRY AND GOVERNMENT-ONLINE	16-02-2026
10.	SUMAIYA BANU V I	ATAL FDP	EMERGING TRENDS IN ARTIFICIAL INTELLIGENCE AND ITS REAL-WORLD APPLICATIONS	B JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT AND RESEARCH-ONLINE	19.1.2026 TO 24.1.2026
11.	SUMAIYA BANU V I	FDP	AGENTIC AI	GOVERNMENT ARTS AND SCIENCE COLLEGE, TIRUPATTUR-ONLINE	26.1.2026
12.	B.S. VIJAYA BASKAR	1 DAY FDP	AGENTIC AI	PG DEPARTMNT OF COMPUTER APPLICATIONS, GOVT.ARTS AND SCIENCE COLLEGE,TIRUPATTUR.(O NLINE)	6-01-2026

2.FACULTY JOURNAL PUBLICATIONS

1. M, P., Kulkarni, R., Basha, M.S. et al. **Optimized Physics-Informed Neural Network with Deep Learning-Driven Attention Mechanisms for Efficient Task Offloading and Resource Management in Edge–Cloud Computing.** Int J Netw Distrib Comput (2026).
<https://doi.org/10.1007/s44227-026-00101-7>

SPRINGER NATURE Link

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Optimized Physics–Informed Neural Network with Deep Learning–Driven Attention Mechanisms for Efficient Task Offloading and Resource Management in Edge–Cloud Computing

Research | [Open access](#) | Published: 27 May 2026

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Pradeep M, Raghavendra Kulkarni, Murtaza Saadique Basha, Parameswari Chandrasekaran, Kishore Kumar Kamarajugadda, Movva Pavani, Diana George, Ravi ThavasiAnandam & Johny Renoald Albert

3.FACULTY INTERNATIONAL CONFERENCE PUBLICATION

1 . Mr. B. S. Vijaya Baskar , AP/MCA and Ms. Sumaiya Banu V. I, AP/MCA, C. Abdul Hakeem College of Engineering and Technology, Melvisharam, presented a paper titled ‘**Student Performance Prediction using Machine Learning Approach**’ at the 6th International Conference on Technology and Advancement in Computing Applications (ICTACA’26) held on 18th April 2026.



2. Dr. M. Saadique Basha, Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, presented a research paper titled ‘**Voice Guide for Visually Impaired using CNN, RNN and Attention Mechanism**’ at the 6th International Conference on Technology and Advancement in Computing Applications (ICTACA '26) held on 18th April 2026.



3. Dr. M. Saadique Basha, Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, presented a research paper titled ‘**An Intelligent Behavior-Driven Cloud Security Framework using Adaptive Machine Learning Models**’ at the 6th International Conference on Technology and Advancement in Computing Applications (ICTACA '26) held on 18th April 2026.



4. **Mr. B. S. Vijaya Baskar, Assistant Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, presented a research paper titled 'Neuroassist-AI: A Multimodal AI Framework for Early Brain Disease Prediction using Deep Learning and RAG' at the 6th International Conference on Technology and Advancement in Computing Applications (ICTACA'26), held on 18th April 2026.**



5. **Mr. B. S. Vijaya Baskar, Assistant Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, presented a research paper titled 'A Prognosis - Aware Multi - Label Deep Learning Framework for chest Disease and Severity Trend Analysis' at the 6th International Conference on Technology and Advancement in Computing Applications (ICTACA'26), held on 18th April 2026.**



6. **Ms. V. I. Sumaiya Banu, Assistant Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, presented a research paper titled 'Touchless Heart Rate Monitoring and Heart Disease Prediction' at the International Conference on Technology and Advancement in Computing Applications (ICTACA'26) held on 18th April 2026.**



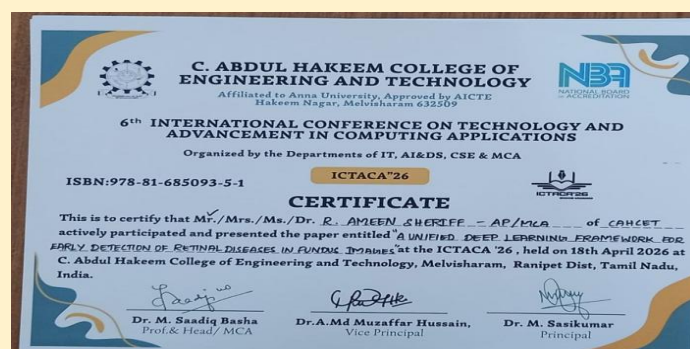
7 .Ms. V. I. Sumaiya Banu, Assistant Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, presented a research paper titled 'AI-Based Time Table Optimization System using Genetic Algorithm' at the International Conference on Technology and Advancement in Computing Applications (ICTACA'26)) held on 18th April 2026.



8.Mr. R. Ameen Sheriff, Assistant Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, presented a research paper titled 'AI Driven Stock Market Prediction: An Analysis' at the 6th International Conference on Technology and Advancement in Computing Applications (ICTACA'26), held on 18th April 2026.



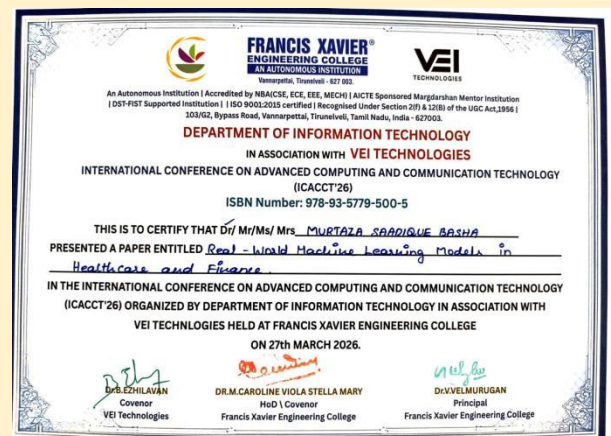
9.Mr. R. Ameen Sheriff, Assistant Professor, Department of MCA, C. Abdul Hakeem College of Engineering and Technology, presented a research paper titled 'A Unified Deep Learning Framework for Early Detection of Retinal Diseases in Fundus Images' at the 6th International Conference on Technology and Advancement in Computing Applications (ICTACA'26), held on 18th April 2026.



10 .Mr. B. S. Vijaya Baskar, AP/MCA, presented a paper titled “**From GPS Routing to Federated Learning-Based Personalized Navigation Systems**” at the 5th International Conference on Advances and Innovation in Engineering and Sciences (ICAIES-2026), held on 2nd April 2026 at Sreenivasa Institute of Technology and Management Studies, Chittoor, Andhra Pradesh.



11 .A paper entitled “**An Approach to Detect Employee Fatigue in Real Time**” was presented by Mr. B. S. Vijaya Baskar, AP/MCA , Dr. M. Saadique Basha, Prof/MCA , Ms. Sumaiya Banu V.I, AP/MCA, Mr.R.Ameen Sheriff, AP/MCA at the International Conference on Advanced Computing and Communication Technology (ICACCT 2026), organized by the Department of Information Technology in association with VEI Technology, held at Francis Xavier Engineering College, Vannarpettai, Tirunelveli on 27th March 2026.



4.FACULTY NATIONAL CONFERENCE PUBLICATION

1. Mr. R. Ameen Sheriff , AP / MCA, C. Abdul Hakeem College of Engineering and Technology, Ranipet, successfully presented their research paper titled '**AI-Enabled Framework to Notice Exploitation in Government Bureaus**' at the Global Conference & Excellence Awards on Innovation, Intelligence & Impact (GC3I²-2026), organized by Inspire Softech Solutions, Chennai, held on 21-22 March 2026 at Olympia Tech Park, Chennai.



2. A paper entitled "**Emerging Paradigms in Quantum Computing Architecture and Design**" was presented by Mr. B. S. Vijaya Baskar, AP/MCA, CAHCET, at the National Level Conference on Automation using AI Technology (NCAAIT 2026), conducted on 05-03-2026 at PMCTECH Autonomous, Hosur, Krishnagiri District, organized by the Department of MCA.



3. A paper entitled "**Post-Quantum Cryptography in Cloud Computing**" was presented by Dr. M. Saadique Basha, Professor/MCA, at the National Level Conference on Automation using AI Technology (NCAAIT 2026), conducted on 05-03-2026 at PMCTECH Autonomous, Hosur, Krishnagiri District, organized by the Department of MCA.



4. A paper entitled **“Zero-Trust Architecture Enhanced with Continuous Risk-Based Authentication Using Behavioral Biometrics”** was presented by Ms. V. I. Sumaiya Banu, AP/MCA, at the National Level Conference on Automation using AI Technology (NCAAIT 2026), conducted on 05-03-2026 at PMCTECH Autonomous, Hosur, Krishnagiri District, organized by the Department of MCA.



5. A paper entitled **“Leveraging Data Science for Sustainable Business Growth”** was presented by Mr. R. Ameen Sheriff, AP/MCA, at the National Level Conference on Automation using AI Technology (NCAAIT 2026), conducted on 05-03-2026 at PMCTECH Autonomous, Hosur, Krishnagiri District, organized by the Department of MCA.



6. Mr. R. Ameen Sheriff, AP / MCA, C. Abdul Hakeem College of Engineering and Technology, Ranipet, presented a research paper titled **‘Blockchain-Based Consumer Framework in Indian Equity’** at the National Conference on Emerging Sustainable Technologies in Engineering and Science (NCESTES–2026), organized by Dr. M.G.R. Educational and Research Institute University, Chennai, held on 5th and 6th February 2026.



7. Mr. R. Ameen Sheriff -AP / MCA, C. Abdul Hakeem College of Engineering & Technology, actively participated in the National Conference on **‘Data to Intelligence: Role of Generative AI in Shaping the Future (DIGISF’26)’** organized by SRM Institute of Science and Technology, Chennai, on 22nd January 2026.



5.FACULTY PATENT PUBLICATION

Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

INTELLECTUAL PROPERTY INDIA
SECURITY INNOVATION

Application Details	
APPLICATION NUMBER	202541012261
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/02/2026
APPLICANT NAME	1. Dr. S. Umarami 2. Dr. S. Chithra 3. Dr. P. Sugrha 4. Mr. M. Bhuvanesh 5. Ms. Varsha Ganesh 6. Mr. Ameen Sheriff R.
TITLE OF INVENTION	AI-Powered Railway Track-Based Emergency Ambulance Transportation System
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	abiresearchacademy@gmail.com
ADDITIONAL E-MAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	13/02/2026

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

[View Documents](#)

→ Filed → Published → RQ Filed → Under Examination → Disposed

In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

1. Mr.R.Ameen Sheriff,AP/MCA published an Indian patent titled "AI – Powered Mobile System for Intelligent Spare Part Identification and Inventory Assistance" on 13-02-2026.

Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

INTELLECTUAL PROPERTY INDIA
SECURITY INNOVATION

Application Details	
APPLICATION NUMBER	202541012271
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/02/2026
APPLICANT NAME	1. Dr. S. Umarami 2. Dr. S. Chithra 3. Dr. P. Sugrha 4. Mr. M. Bhuvanesh 5. Ms. Varsha Ganesh 6. Mr. Ameen Sheriff R.
TITLE OF INVENTION	AI-Powered Mobile System for Intelligent Spare Part Identification and Inventory Assistance
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	abiresearchacademy@gmail.com
ADDITIONAL E-MAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	13/02/2026

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

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→ Filed → Published → RQ Filed → Under Examination → Disposed

In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

- 2.Mr.R.Ameen Sheriff,AP/MCA published an Indian patent titled "AI -Powered Railway Track-Based Emergency Ambulance Transportation System" on 13-02-2026.

5.FACULTY NPTEL CERTIFICATION(ACADEMIC YEAR:2025-2026(EVEN SEM))

1.Mr. B.S.VijayaBaskar, Assistant Professor/MCA, successfully completed the **ELITE WITH SILVER CERTIFICATION** in the NPTEL(12-week) course on "Programming in Java" during the months of January–April 2026.



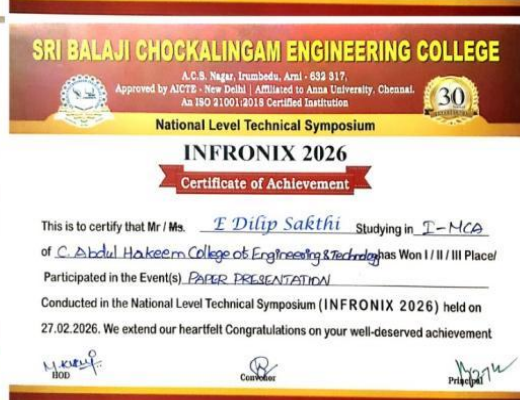
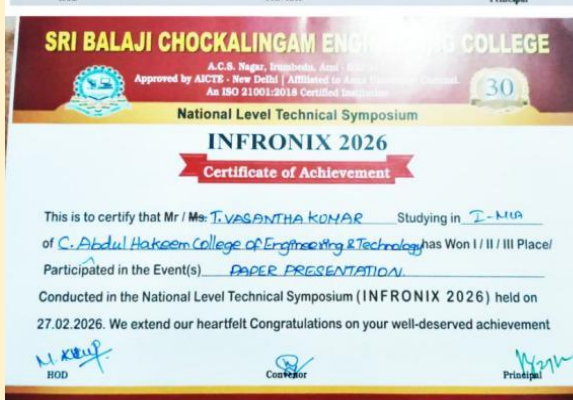
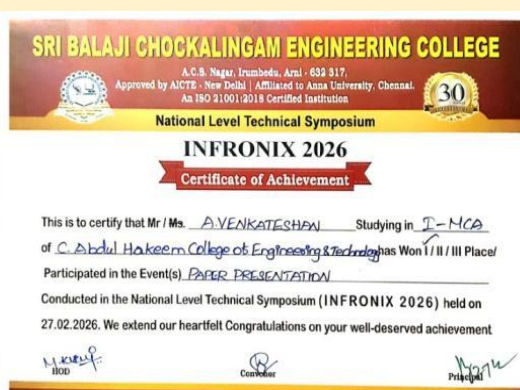
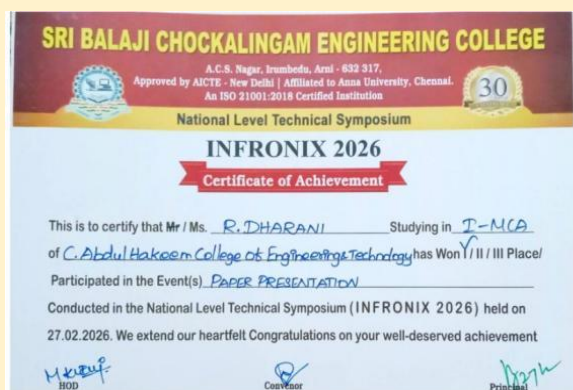
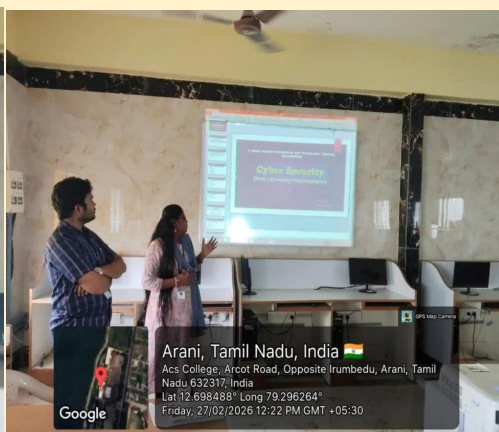
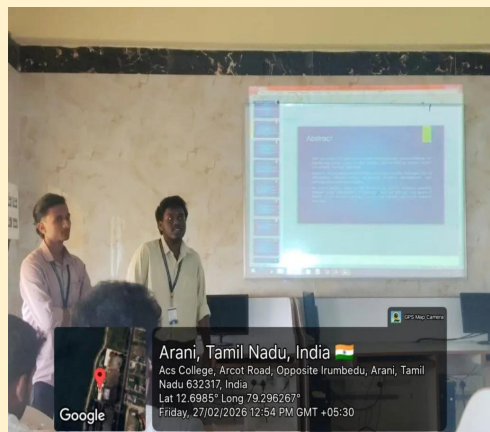
2.Ms.Sumaiya Banu V I, Assistant Professor/MCA, successfully completed the **ELITE WITH SILVER CERTIFICATION** in the NPTEL(12-week) course on "Deep Learning" during the months of January–April 2026.



STUDENTS CO-CURRICULAR ACHIEVEMENTS

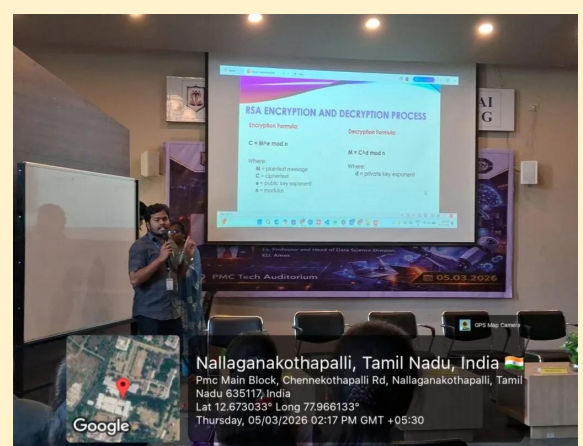
1. R. Dharani and A. Venkateshan (I MCA, II Sem) secured **First Place** with cash award in Paper Presentation at the National Level Technical Symposium “**INFRONIX 2026**” held on **27-02-2026** at **Sri Balaji Chockalingam Engineering College,Arni,Tiruvannamalai District**.

2. E. Dilipsakthi and T.Vasantha Kumar (I MCA, II Sem) presented a paper at the National Level Technical Symposium “**INFRONIX 2026**” held on **27-02-2026** at **Sri Balaji Chockalingam Engineering College,Arni,Tiruvannamalai District**.



3. The following four teams from I MCA participated in the **National Level Conference on Automation using AI Technology (NCAAIT 2026)** conducted on **05-03-2026** at **PMCTECH Autonomous, Hosur**, organized by the Department of MCA.

- Dharani R (MCA2511) and Venkatesan A (MCA2553) presented in offline mode on **“Post-Quantum Cryptography in Cloud Computing”** and secured First Place with a momento award in the conference.
- Monika T (MCA2531) and Vishali G (MCA2556) presented in offline mode on **“Emerging Paradigms Quantum Computing Architecture and Design.”**
- Gayathri S (MCA2515) and Shalini R (MCA2543) participated in online mode and presented on **“Zero-Trust Architecture Enhanced with Continuous Risk-Based Authentication Using Behavioral Biometrics.”**
- Gayathri S (MCA2516) and Rishipriya V (MCA2541) presented in offline mode on **“Leveraging Data Science for Sustainable Business Growth.”**





4. Lakshaya K, Mythili S, Namitha A, Vishali G, and Vidhyalakshmi P (I MCA) presented a paper titled “Aspect-Based Sentiment Analysis (E-Commerce)” at the **5th International Conference on Advances and Innovation in Engineering and Sciences (ICAIES-2026)**, held on 2nd April 2026 at **Sreenivasa Institute of Technology and Management Studies, Chittoor, Andhra Pradesh**, and won the **Best Paper Award** along with an **Appreciation Certificate**.

5. Gayathri S, Hemashree S, Rishipriya V, and Shalini R (I MCA) presented a paper titled “**From GPS Routing to Federated Learning-Based Personalized Navigation Systems**” at the **5th International Conference on Advances and Innovation in Engineering and Sciences (ICAIES-2026)**, held on 2nd April 2026 at **Sreenivasa Institute of Technology and Management Studies, Chittoor, Andhra Pradesh**.



“Innovate, Integrate, Inspire - Shaping the Future through Research.”



INNOVATIVE
IDEAS



GLOBAL
COLLABORATION



RESEARCH
EXCELLENCE



EMERGING
TECHNOLOGIES



KNOWLEDGE
EXCHANGE



EMPOWERING
FUTURE LEADERS

INTERNSHIP -STUDENT DETAILS- FOR THE ACADEMIC YEAR 2025–2026 - II MCA-IV SEM**ACADEMIC BATCH 2024–2026**

Sl.No	Name	COMPANY PLACED	DESIGNATION	COMPANY ADDRESS	STIPEND
1	Jayashree S	OPTISUPPLY AI PVT LTD	SOFTWARE ENGINEER	INTERN , CHENNAI	10000
2	Mahalakshmi Vinayagamoorthy,	HEARTIN TECH	Software Developer Intern	226, Kamaraj Nagar, Ariyur road, Thorapadi, Vellore - 632002	-
3	Moganapriya Sambath	HEARTIN TECH	Software Developer Intern	226, Kamaraj Nagar, Ariyur road, Thorapadi, Vellore - 632002	-

Sl.No	Name	COMPANY PLACED	DESIGNATION	COMPANY ADDRESS	STIPEND	BATCH
1	Gokul E	SHINE PROGRAM–PEARL TRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	I
2	Lakshmipriya D	SHINE PROGRAM–PEARL TRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
3	Reshma K	SHINE PROGRAM–PEARL TRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
4	Savvitha R	SHINE PROGRAM–PEARL TRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
5	Sowmiya N	SHINE PROGRAM–PEARL TRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
6	Sunil Kumar S	SHINE PROGRAM–PEARL TRI FOUNDATION	TRAINEE	VELLORE	5K	

		(VIT)				
7	Archana M	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	II
8	Bhuvaneshwari S	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
9	Dharshini S	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
10	Dhivya Dharshini N	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
11	Harigaran G	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
12	Harini K	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
13	Imthiyaz Basha A	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
14	Ismail Saad M	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
15	Jayakumar P	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
16	Premkumar M	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	

17	Sudharson V	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
18	Syam Praveen Kumar J B	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
19	Yuvaraj R	SHINE PROGRAM- PEARLTRI FOUNDATION (VIT)	TRAINEE	VELLORE	5K	
20	AKSHAYA V	QSPIDER	TRAINEE	BANGALORE	-	III
21	BOOMIKA S K	QSPIDER	TRAINEE	BANGALORE	-	
22	DHARSHINI S	QSPIDER	TRAINEE	BANGALORE	-	
23	EHTHISHAMUL HAQUE K	QSPIDER	TRAINEE	BANGALORE	-	
24	MUHAMMED USAID S	QSPIDER	TRAINEE	BANGALORE	-	

“Internships bridge the gap between classroom learning and real-world innovation—empowering MCA students to transform knowledge into practical expertise and industry-ready skills”



STUDENT NPTEL CERTIFICATION

ACADEMIC YEAR:2025-2026(JANUARY TO JUNE SESSION)

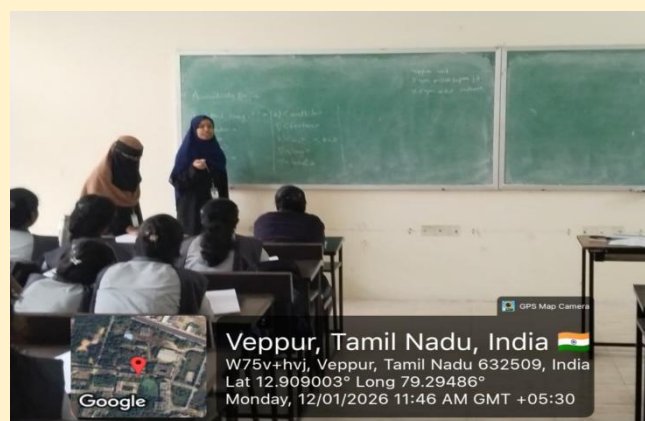


The students enrolled in a diverse range of subjects, demonstrating a strong foundation in technical expertise and a proactive approach toward enhancing their knowledge beyond the prescribed curriculum.

<u>S.No</u>	<u>Name of the Student</u>	<u>Year/Sem</u>	<u>NPTEL Course Name</u>	<u>Grade</u>
<u>1</u>	<u>DHARANI R</u>	<u>I/II</u>	<u>Cloud Computing</u>	<u>ELITE</u>
<u>2</u>	<u>RASHEEDA AFRIN T N</u>	<u>I</u>	<u>Data Analytics with Python</u>	<u>SUCCESSFULLY COMPLETED</u>
<u>3</u>	<u>RUBINI B</u>	<u>I</u>	<u>Cloud Computing</u>	<u>ELITE WITH SILVER</u>
<u>4</u>	<u>THABASSUM S D</u>	<u>I</u>	<u>Python for Data Science</u>	<u>ELITE</u>
<u>5</u>	<u>VENKATESHAN A</u>	<u>I</u>	<u>OOPS - C++</u>	<u>ELITE</u>

SHOWCASING A FEW INNOVATIVE TEACHING PRACTICES

1. As part of innovative teaching practices, a flipped classroom session under the course **MC25203-Full Stack Web Development** topic **“HTML Elements and Document Structure”** was conducted for I MCA (II Semester) students on **12-01-2026**. The session was effectively handled by **Mr. B. S. Vijaya Baskar, Assistant Professor**, Department of MCA, facilitating active student participation and enhanced learning.

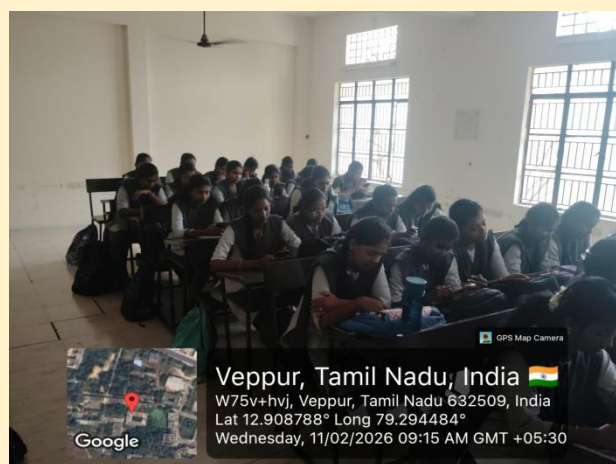


2. As part of innovative teaching, a **flipped classroom** session on **“HTML Meta Tag and Media Tag”** was conducted for I MCA (II Semester) under the course MC25203 – Full Stack Web Development on **20-01-2026** in the classroom by **Mr. B. S. Vijaya Baskar, Assistant Professor**, MCA Department.

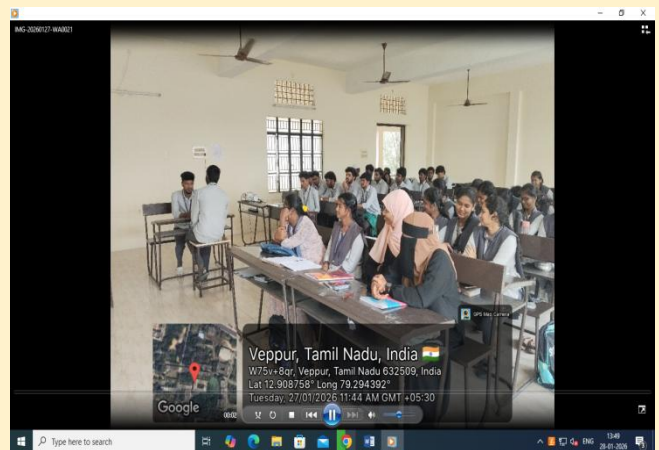
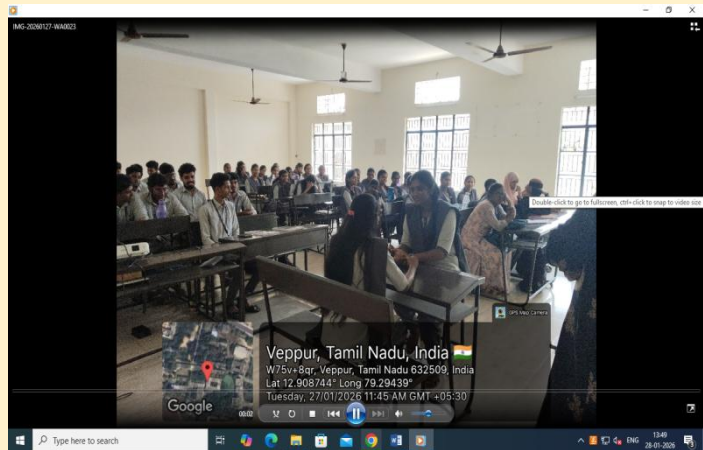
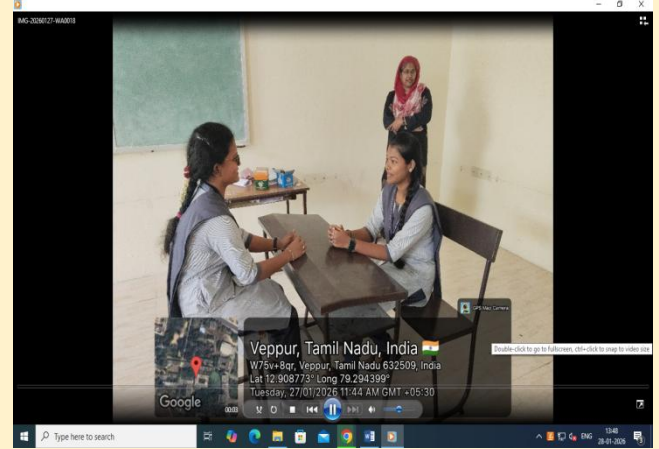
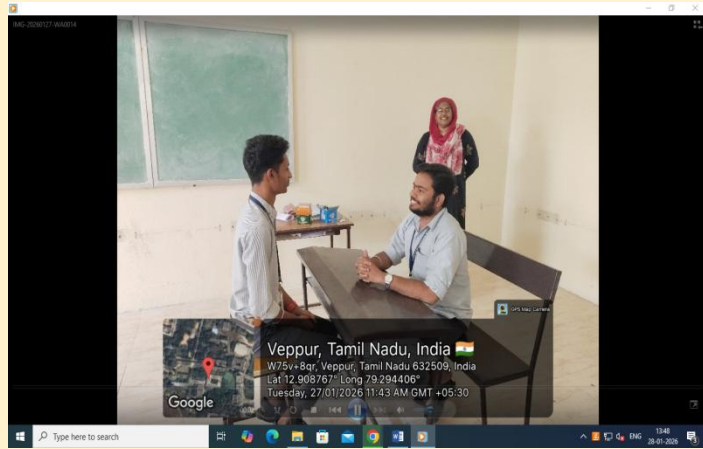




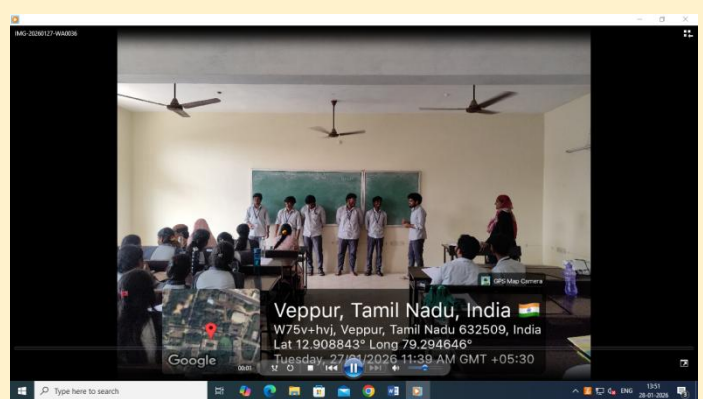
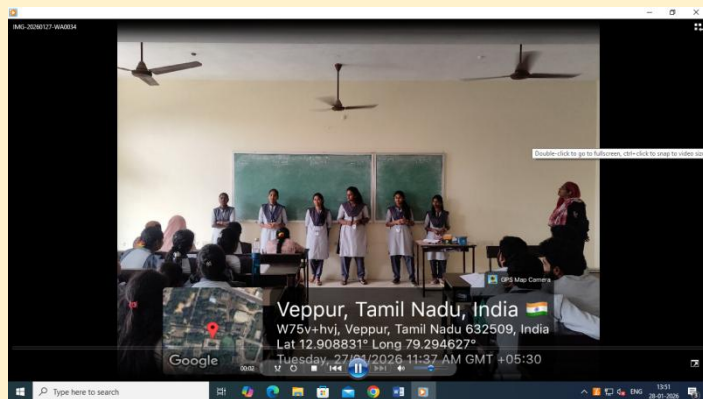
5. As part of Innovation in Teaching – a **quiz activity on Unit 2 covering CSS, Responsive Design, and Bootstrap** was conducted for I MCA (II Semester) under the course MC25203 – Full Stack Web Development in the classroom by **Mr. B. S. Vijaya Baskar, Assistant Professor, MCA Department.**

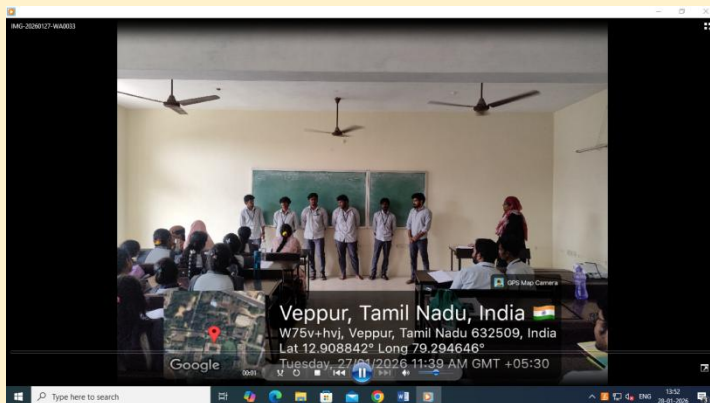
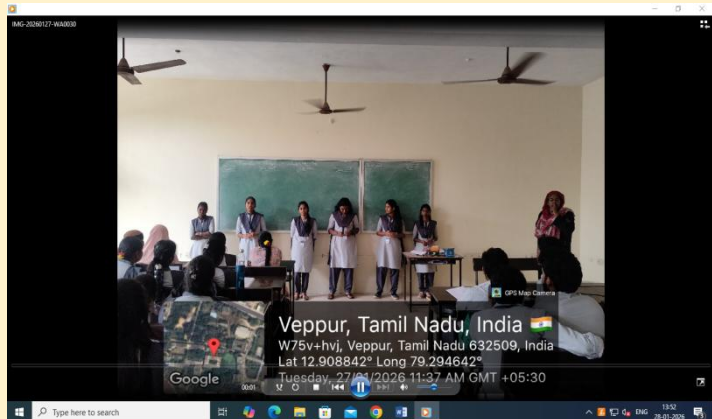


6.As part of **innovation teaching** in **MC25204 – Mobile Application Development**, an **Interview Play** activity on **Layout Managers (Unit II)** was conducted on 27.01.2026 (Tuesday) for I MCA (II Semester) with 56 students by Sumaiya Banu V I, AP/MCA, enhancing their conceptual understanding and communication skills.



7.As part of **innovation teaching** in **MC25204 – Mobile Application Development**, a **Role Play** activity on **UI Widgets (Unit II)** was conducted on 27.01.2026 (Tuesday), Hour 3 for I MCA (II Semester) by Sumaiya Banu V I, AP/MCA, enhancing students' understanding and engagement.

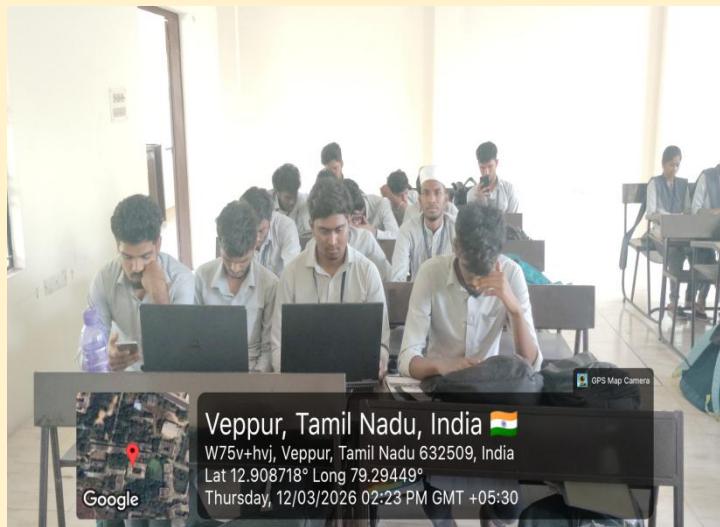




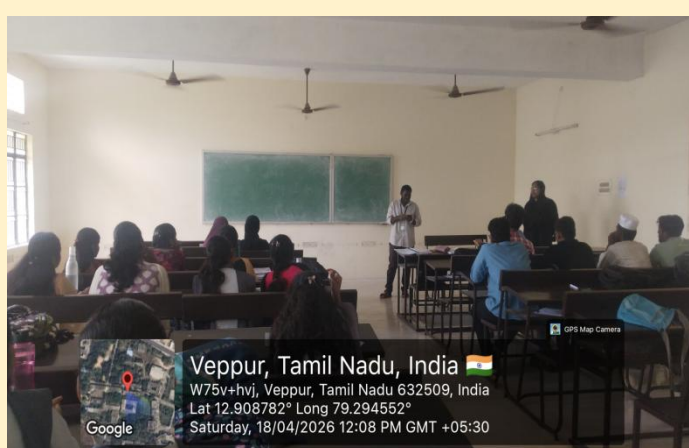
8.As part of innovation teaching in MC25204 – Mobile Application Development, a Team-Based Learning activity on Introduction to Room Databases (Unit IV) was conducted on 04.03.2026 (Wednesday), Hour 4 for I MCA (II Semester) by Sumaiya Banu V I, AP/MCA, promoting collaborative learning and deeper understanding among students.

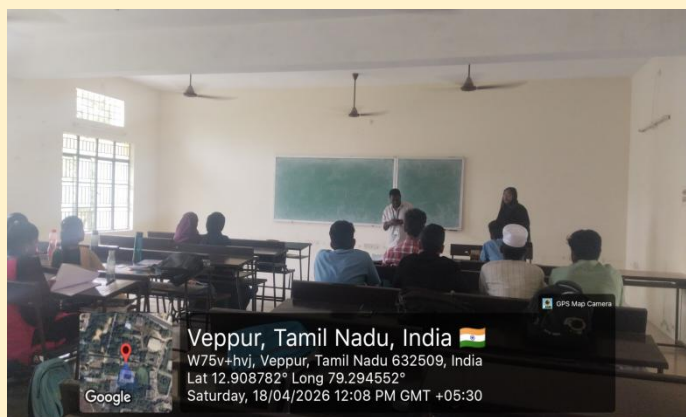


9.As part of innovation teaching in **MC25204 – Mobile Application Development**, a Quiz on **Unit V – Basics of HTTP/HTTPS Protocols and API Formats (JSON/XML)** was conducted on **12.03.2026 (Thursday)**, Hour 6 at the I MCA Classroom for I MCA (II Semester, Section A) by Sumaiya Banu V I, AP/MCA, reinforcing students’ understanding through active assessment.



10.As part of innovation teaching in **MC25204 – Mobile Application Development**, a **Flipped Classroom** activity on **Unit VI – iOS Application Development (Designing UI for iPhone and iPad)** was conducted on **18.04.2026 (Saturday)**, Hour 4 at the I MCA Classroom for I MCA (II Semester, Section A) by Sumaiya Banu V I, AP/MCA, encouraging active learning and student-led exploration.





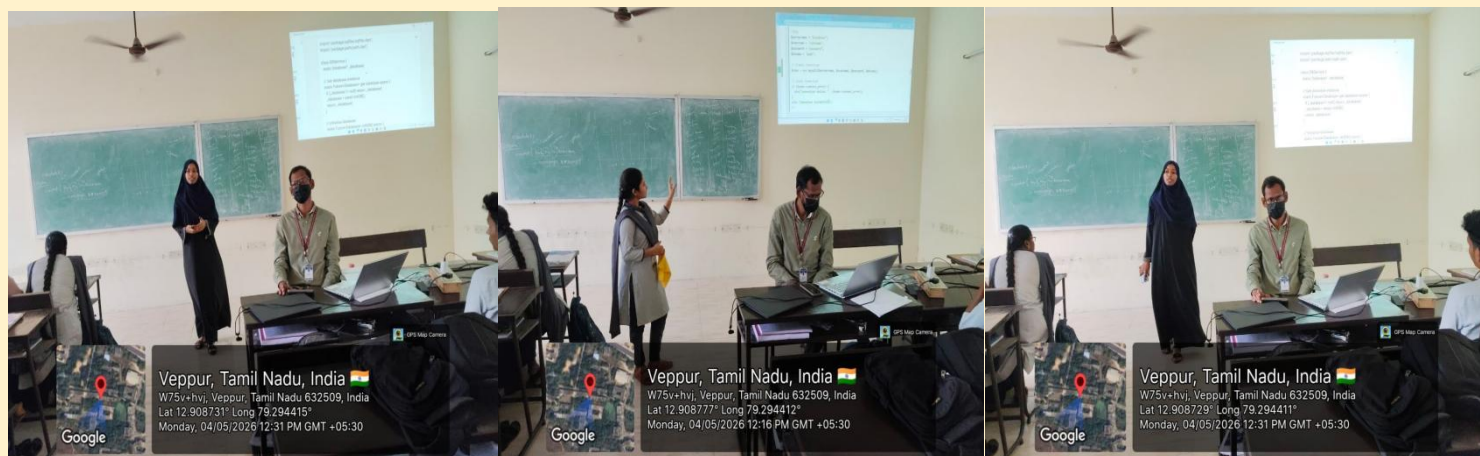
11. As part of innovation teaching in MC25004 – Software Project Management, a Flipped Classroom activity on Process of Software Project Management and Tailoring the Process was conducted on 03.02.2026 at the I MCA Classroom for I MCA (II Semester) by R. Ameen Sheriff, promoting active learning and deeper conceptual understanding.



12. As part of innovation teaching in MC25004 – Software Project Management, a Flipped Classroom activity on identifying and categorizing different types of risks in real-world software projects was conducted on 04.05.2026 at the I MCA Classroom for I MCA (II Semester) by R. Ameen Sheriff, promoting analytical thinking and practical understanding.



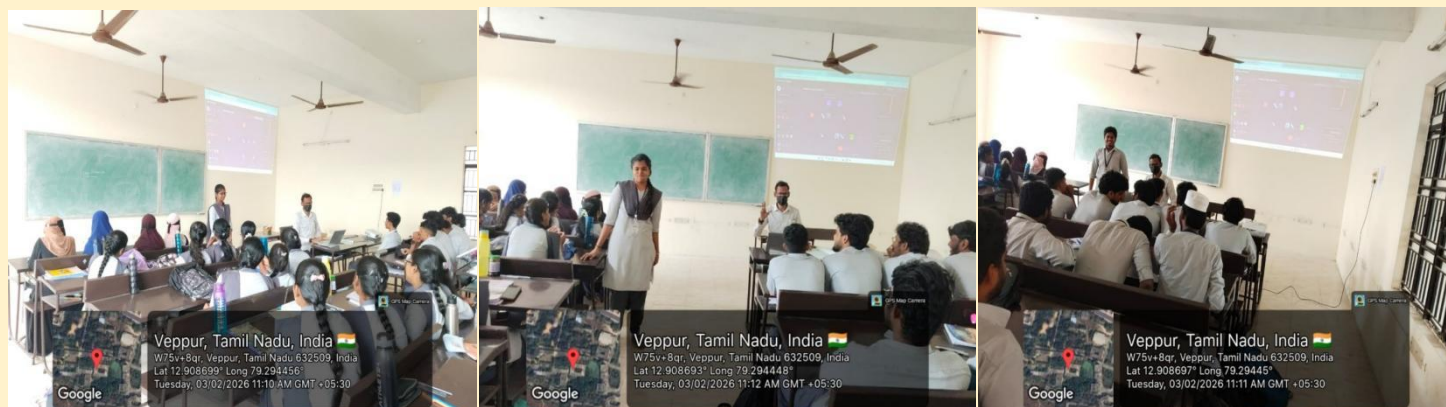
13.As part of innovation teaching in MC25004 – Software Project Management, a Flipped Classroom activity on peer code review focusing on design integrity and maintainability was conducted on 04.05.2026 at the I MCA Classroom for I MCA (II Semester) by R. Ameen Sheriff, enhancing collaborative learning and code quality awareness.



14.As part of innovation teaching in MC25004 – Software Project Management, a task-based interactive activity on Gantt Chart and problem solving was conducted on 25.02.2026 at the I MCA Classroom for I MCA (II Semester) by R. Ameen Sheriff, improving students’ planning and analytical skills.



15.As part of innovation teaching in MC25205 – Quantum Computing, a Simulation Activity on Quantum Flytrap Virtual Lab (interactive simulation tool) was conducted on 03.02.2026 at the I MCA Classroom for I MCA (II Semester), enhancing students’ understanding through virtual experimentation.



16.As part of **innovation teaching** in **MC25205 – Quantum Computing**, an **Academic Activity** on **construction of the Deutsch–Jozsa (DJ) circuit for a 3-bit input function** was conducted on **26.03.2026** at the **I MCA Classroom** for **I MCA (II Semester)**, strengthening students’ conceptual and analytical understanding of quantum algorithms.



17.A technical quiz on the **Data Science Process** was conducted on 03.02.2026 for I/II MCA students in the I MCA Classroom as an innovative teaching method by Dr. M. Saadique Basha, Professor/MCA.



18.A group discussion on **Data Mining & Data Warehousing** was conducted on 20.02.2026 for I/II MCA students in the I MCA Classroom as an innovative teaching method by Dr. M. Saadique Basha, Professor/MCA.



UPCOMING EVENTS AND PROGRAMS(2026-2027-JULY TO DECEMBER)

- Induction Program
- Freshers Day for I MCA Students hosting by II MCA
- Guest Lecture on “Beyond the Classroom: Building a Career in Machine Learning”
- IIC Self-Driven Activities
- Club Activities
- Innovative workshop on “Full Stack Blockchain: Solidity, DApps & Security"
- A National Level Technical Level Symposium “Techno Rendezvous-2026”
- Alumni Interaction to I MCA
- Mini Project Expo for II MCA



**"From algorithms to ambitions, we
compile knowledge into innovation."**



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

**STUDENT EDITOR : JAVID AHMED H
II MCA**

**"Learning never stops — in tech, every ending is
just a new version update."**

