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college of technology
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PROTOS

DEPARTMENT OF COMPUTER APPLICATIONS
ACADEMIC YEAR (2024-2025)

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Chapter – 1

HOD's Desk



Dr. V. Vijilesh,

Associate Professor & Head

The Department of Computer Applications strives for providing quality education with high standards to provide academic excellence. It excels in transforming graduates into industry ready products with strong analytical & technical skills. The department has a team of experienced faculty members to impact quality education, research & innovation in the key areas of computer science with the state the art computing facilities.

Vision

- To be a leader in computing education and research, equipping students with the skills to thrive in the technology field and contribute to the growth of society and the economy.

Mission

- Deliver high-quality education and practical skills in computing and technology, preparing students to meet industry demands and excel in their careers.
- Encourage innovation, critical thinking, and research in computing, enabling students to solve real-world problems and contribute to technological advancements.
- Nurture socially responsible and ethical professionals who can lead with integrity and contribute to the sustainable development of society and the economy.

1.1 Program Educational Objectives (PEO's)

- **PEO1:** Equip with strong computing skills and innovation of software products to meet the industry needs.
- **PEO2:** Provide exposure to cutting edge technologies and training to work on

multidisciplinary projects in a team.

- **PE03:** Prepare for life-long learning through professional activities; adapt themselves with ease to new technologies, while exhibiting ethical and professional standards.

1.2 Program Outcomes (POs)

- **P01: Foundation Knowledge** - Apply knowledge of mathematics, programming logic and coding fundamentals for solution architecture and problem solving.
- **P02: Problem Analysis**- Identify, review, formulate and analyze problems for primarily focusing on customer requirements using critical thinking frameworks.
- **P03: Development of Solutions** - Design, develop and investigate problems with an innovative approach for solutions incorporating ESG/SDG goals.
- **P04: Modern Tool Usage** - Select, adapt and apply modern computational tools such as development of algorithms with an understanding of the limitations including human biases.
- **P05: Individual and Teamwork**- Function and communicate effectively as an individual or a team leader in diverse and multidisciplinary groups. Use methodologies such as agile.
- **P06: Project Management and Finance** - Use the principles of project management such as scheduling, work breakdown structure and be conversant with the principles of Finance for profitable project management.
- **P07: Ethics** - Commit to professional ethics in managing software projects with financial aspects. Learn to use new technologies for cyber security and insulate customers from malware
- **P08: Life-long learning** - Change management skills and the ability to learn, keep up with contemporary technologies and ways of working

1.3 Cohort-Based Learning Opportunities

Student Cohorts Overview

Based on recent trends and industry demands, students are grouped into specialized cohorts after admission. Each student is enrolled into one of the following cohorts based on their area of interest:

1. Extended Reality (XR)

This cohort focuses on immersive technologies, including Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR). Students learn to design and develop interactive experiences used in gaming, education, healthcare, and simulations.

2. Cloud Computing

Students in this cohort explore the design, deployment, and management of scalable cloud infrastructures. Topics include cloud architecture, virtualization, DevOps, and cloud service platforms such as AWS, Azure, and Google Cloud.

3. Networking and Internet of Things (IoT)

This cohort emphasizes the integration of physical devices and systems through the internet. Students gain hands-on experience in networking protocols, embedded systems, sensor technologies, and real-time data processing.

4. Cybersecurity and Blockchain

Focused on digital security, this cohort trains students in threat detection, ethical hacking, data protection, cryptography, and blockchain technologies. Emphasis is placed on securing networks, applications, and digital identities.

5. Artificial Intelligence and Data Science

This cohort explores machine learning, deep learning, data analytics, and big data technologies. Students are trained to build intelligent systems, develop predictive models, and draw insights from complex datasets.

6. Web and Software Development

Students in this cohort focus on designing, building, and maintaining modern web applications and software solutions. Core areas include front-end and back-end development, databases, version control, and software engineering principles.

Chapter – 2

MCA Department

2.1 Department Faculties



Dr. V. Vijilesh

Associate Professor & HoD

Specialization

Data Mining & Web Mining

Email id

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Dr. V. Geetha

Professor

Specialization

Data Mining & Knowledge Management

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Dr. M. Manikantan

Associate Professor

Specialization

Data Mining & Database Technologies.

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Dr. S. Hameed Ibrahim

Assistant Professor III

Specialization

Software Engineering and Database
Technologies

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Dr. P. Parameswari

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Dr. C. Rajan Krupa

Assistant Professor III

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Cloud Application

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Dr. N. Jayakanthan

Assistant Professor III

Specialization

Data Structures and Analysis of Algorithms

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jayakanthan.n.mca@kct.ac.in



Ms. V. Jalaja Jayalakshmi

Assistant Professor II

Specialization

Data Mining

Email id

jalajajayalakshmi.v.mca@kct.ac.in



Dr. L. Dhanabal

Assistant Professor III

Specialization

Computer Networks

Email id

dhanabal.l.mca@kct.ac.in

2.2 Department Association



**MASTER OF COMPUTER APPLICATION
DEPARTMENT ASSOCIATION**



Dr.N.Jayakanthan
Faculty Coordinator



Vasundhra G
President



Siddharth K Duraisamy
Vice President



Rethika D
Secretary



**MASTER OF COMPUTER APPLICATION
DEPARTMENT ASSOCIATION**



Pavin Kalyaan S S
Joint Secretary



Swathi S
Treasurer



Methunarajan A
Technical Ambassador



Janasshvar P V
Placement Coordinator



Harishmakumari M
Placement Coordinator



Sabari Rohith Viswa S
Media & Marketing
Coordinator



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MASTER OF COMPUTER APPLICATION DEPARTMENT ASSOCIATION

Sathyapriyan S
Media & Marketing
Coordinator

Varun S
Documentation
Coordinator

Ancy Gratia A
Content Strategist

Dhivakar R
Alumni Coordinator

Suchmitia Navodini P R
Alumni Coordinator

Sowmi Pricilla S
Event Coordinator



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MASTER OF COMPUTER APPLICATION DEPARTMENT ASSOCIATION

Harini S
Sports & Sponsorship
Coordinator

Madhu Mitha G
Research & Innovation
Coordinator

Hariharan P
Executive Member &
Entrepreneurship
Coordinator

Janani S
Executive Member

Kishore Nithin Jacob A
Cohorts Head

OFFICE BEARERS

Chapter – 3

Technical Article

3.1 Artificial Intelligence in IT:

Artificial Intelligence (AI) has emerged as a transformative force in the IT industry, fundamentally changing how technology drives business innovation and decision-making. AI encompasses technologies such as machine learning, natural language processing, computer vision, and robotics, enabling systems to perform tasks that typically require human intelligence. For MCA students, understanding this broad field is essential to remain competitive and ready for tomorrow's career demands.

The future of AI in the IT industry is marked by rapid advancements and expanding applications. Trends like AI-powered automation, intelligent cloud services, AI-driven cybersecurity, generative AI, and advanced data analytics are shaping how organizations operate. The integration of AI with other technologies like the Internet of Things (IoT) and edge computing further amplifies its scope. This growing ecosystem creates diverse career opportunities for MCA graduates in roles including AI developer, data scientist, AI analyst, and AI consultant.

To succeed in AI, MCA students should focus on gaining practical skills by working with popular AI tools and platforms. Mastery of frameworks like TensorFlow, PyTorch, and scikit-learn, as well as proficiency in cloud-based AI services from AWS, Azure, and Google Cloud, is highly valuable. Learning to use AI development environments, data annotation tools, API platforms for AI models, and prompt engineering skills for large language models becomes crucial. This hands-on expertise enables students to build, deploy, and optimize intelligent applications that meet industry needs effectively.

In conclusion, a well-rounded understanding of AI's core concepts, awareness of future IT industry trends, and concentrated practice on AI tools equip MCA students to thrive in an AI-centric technology landscape. This strategic focus positions them for promising careers and makes them integral contributors to business innovation and digital transformation.

Citations:

- "The Rise of AI: Why MCA Graduates Are in High Demand in 2025"
- "Top 10 Most In-Demand AI Skills to Learn"
- "MCA in Artificial Intelligence and Machine Learning"
- "AI job growth in Design and Make: 2025 report"

Prepared By

Dr. S. Hameed Ibrahim

3.2 Coding Challenge

Problem 1 – Reverse Words

Problem Statement

Given a sentence, reverse the order of words. Words are separated by a single space.

Input

A single line string s.

Output

Print the reversed word sentence.

Constraints

- $1 \leq \text{len}(s) \leq 10^4$ $\text{len}(s) \leq 10^4$

Sample

Input:

hello world from python

Output:

python from world hello

Solution (Python)

```
s = input().strip()
words = s.split()
print(" ".join(reversed(words)))
```

Problem 2 – Most Frequent Number

Problem Statement

Find the integer that appears most frequently. If there is a tie, output the smallest such integer.

Input

- First line: integer n ($1 \leq n \leq 2 \cdot 10^5$)
- Second line: n integers

Output

Print the most frequent number.

Sample

Input:

7
5 1 5 2 1 5 2

Output:

5

Solution (Python)

```
from collections import Counter
n = int(input())
arr = list(map(int, input().split()))

freq = Counter(arr)
max_freq = max(freq.values())
candidates = [num for num, count in freq.items()
               if count == max_freq]
print(min(candidates))
```


Chapter – 4

Department Updates

4.1 Journal/Conference Publications :

Sno	Faculty Name / Student Name	Title	Journal/Conference	DOI/URL
1	Dr.M.Manikantan Dr.P.Parameswari R. Dhivakar	An IoT-Based Smart System for Crop Management by Dynamic Irrigation System Using Artificial Intelligence	2025 3rd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA)	DOI: 10.1109/ICAECA63854.2025.11012375
2	Dr.P.Parameswari Dr.M.Manikantan P.Arun Surya	Enhanced CNN Model Integrated with Generative AI for Real-Time Pest and Disease Detection in Rice Farming	2025 3rd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA)	DOI: 10.1109/ICAECA63854.2025.11012178
3	Dr.C.Rajankrupa Dr.S.Hameed Ibrahim M Sneha S Sowmi Pricilla	Constraint Satisfied Randomized Seating Algorithm for Efficient and Fair Examination Seat Allocation	2025 3rd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA)	DOI: 10.1109/ICAECA63854.2025.11012523
4	Dr.N.Jayakanthan P R Suchmitaa Navodini	Enhanced Graph based Approach to Detect Malicious URL	2025 3rd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA)	DOI: 10.1109/ICAECA63854.2025.11012545
5	Dr.N.Jayakanthan R Dhivakar S Harini	A Dynamic Anomaly Detection Framework for Malicious URL Identification	2025 3rd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA)	DOI: 10.1109/ICAECA63854.2025.11012555
6	Ms. V. Jalaja Jayalakshmi M.Punithavalli	Exploring Academic Procrastination: An In-Depth Survey of Procrastination Pattern	Remote Sensing in Earth Systems Sciences, 7(4), 524–531. (2024)	DOI: 10.1007/s41976-024-00144-w
7	Ms. V. Jalaja Jayalakshmi Ms.V.Geetha R.K.Kavitha	A Hybrid Model for Parkinson's Disease Detection Classification	2024 5th International Conference on Electronics and Sustainable Communication Systems (ICESC)	DOI: 10.1109/ICESC60852.2024.10689845
8	Ms. V. Jalaja Jayalakshmi	TaskFocus: Enhancing Academic Performance Using Machine Learning to Reduce Procrastination"	International Conference on Diversity in "Diversity in Computational Excellence"	-

4.2 MCA Admission Details (2025)

Program Structure

- Two years Program - Full Time
- 60 seats (30 GQ & 30 MQ)

- Bridge Course – Non computing

2024 Batch – TANCET - Score

- Maximum Score - **97.639**
- Minimum Score – **95.487**

Minimum Eligibility: Passed BCA/B.Sc., CSE or equivalent degree or BSc / B.Com /B.A with Mathematics at 10+2 level or graduate level.

2025 Batch - MCA - TNEA Allotment Summary								
2025 Batch	Community	OC	BC	MBC	BCM	SC	SCA	Total
	Count	9	8	6	1	5	1	30
TANCET Score	Min	94.824	93.443	80.792	94.422	67.636	39.468	
	Max	97.062	94.824	88.906	94.422	75.039	39.468	
TANCET RANK	Min	182	313	569	331	1090	2098	
	Max	299	385	885	331	1354	2098	

1. Overall Admission Summary

- **Total Seats Filled (GQ): 30**
- Distribution across communities shows a **balanced representation**, with maximum seats from **OC (9)** and **BC (8)** categories.

2. Interpretation

- MCA 2025 admissions under TNEA (GQ) saw **strong demand from OC and BC categories**.
- **MBC intake shows moderate competition**, possibly due to higher availability of seats.
- **SC and SCA categories show low cut-offs**, which suggests reserved category seats are being utilized effectively even at lower score levels.

4.3 Management Quota Students Admission Process:

The **Management Interview Process** was conducted in a structured and comprehensive manner to evaluate candidates' knowledge, technical expertise, and interpersonal skills.

1. Application Registration

Management Quota (MQ) candidates must register their application details through the **Meritto portal**([Meritto \(A Product of NoPaperForms\) | Purpose-built for Education](#)).



2. Online Test (50 Marks):

An online entrance test will be conducted to evaluate the candidates' eligibility.

The test will be hosted on the **I am Neo online platform** and will consist of **Multiple Choice Questions (MCQs)** covering the following sections:

Section Name	Number of Questions
Basics of Computer Science	15
Logical Reasoning	15
Aptitude	10
Verbal Ability	10
Total	50

3. Technical & Face-to-Face Interview

Shortlisted candidates then appeared for the combined interview stages, which included both **technical** and **personal evaluation**.

- The **technical segment** focused on core subject knowledge, problem-solving skills, and programming concepts.
- The **face-to-face interaction** assessed communication, confidence, leadership qualities, and overall personality.

Together, these interviews provided a **holistic assessment** of candidates' readiness for corporate and professional environments.

4. Results & Communication (Score Integration)

- After completing the assessment, the candidates' **test scores are automatically stored** in the Meritto application through **API integration with the I Am Neo online platform**.

- Based on the **combined performance** of the Online Test (50 marks) and the Personal Interview (50 marks), the candidates are evaluated out of a **total of 100 marks**.
- Candidates who meet the selection criteria are **shortlisted and notified via email**, while communication regarding rejection is also sent automatically to ensure transparency.

4.4 Association Activities

Sno	Date	Name of the Event	Regional / National / International	Sponsored By
1	10.11.2023	Sustainable Diwali	Regional	MCA Association
2	15.02.2024	Tech Primus	National	MCA Association
3	25.07.2024	TechXcelerate	National	MCA Association

4.4.1 The "Sustainable Diwali" event was to promote awareness and engagement among students regarding eco-friendly practices during the Diwali festival. By collecting and sharing ideas, taking pledges, and fostering creative expression, the event aimed to inspire a collective commitment to sustainability and highlight the importance of reducing environmental impact during celebrations.



4.4.2 Tech Primus aims to enhance students' coding and problem-solving skills through challenging tasks. It provides a platform to apply logical thinking and innovative approaches in real time. The event fosters healthy competition, teamwork, and readiness for future tech challenges.



4.4.3 TechXcelerate is a dynamic technical event with three rounds—MCQs to test technical knowledge, cryptography challenges to decode encrypted texts, and an exciting *AI vs Human Code* face-off. It challenges participants' problem-solving, analytical, and coding skills while fostering creativity and collaboration. The event offers a competitive platform for aspiring technologists to showcase expertise and gain insights into the future of technology.



4.5 Achievements

The 10 outstanding students from II MCA have been awarded the prestigious Mahatma Gandhi Scholarship for their academic excellence and commitment.

1. Swetha Mangai R – 24MCA059
2. Pavithra S – 24MCA039
3. Moushami P - 24MCA035
4. Sengottayan S – 24MCA047
5. Harini S – 24MCA013
6. Suchmitaa Navodini P R – 24MCA055
7. Madhumitha K – 24MCA031
8. Madhu Mitha G – 24MCA030
9. Kishore Nithin Jacob – 24MCA026
10. Shruthika Kumar – 24MCA048



4.6 Hackathons

SNo	Name of the Student(s)	Name of the Event	Within state/ outside state	Date of Event	Prize/ Awards if any
1	Team Always & Forever	Blockathon25	Within state	20.02.2025	Runner-Up + ₹15,000
2	Team Zyndicate	Cyberthon25	National	29.03.2025	Finalist (Top 75)
3	Team Cyber Warriors	Cyberthon25	National	29.03.2025	Finalist (Top 75)
4	Team Always & Forever	Cyberthon25	National	29.03.2025	Runner-Up + ₹25,000

Blockathon25

- With over 75+ teams competing in Round 1 (Abstract Submission) and 25 teams advanced to Round 2 (Online Presentation), the final stage brought together the top 15

teams to refine and present their innovative solutions.

- From our department team “Always and Forever” secured the Runner-Up position, along with a cash prize of ₹15,000 on February 20, 2025.



Cyberthon25

- Out of 600+ teams and 2,000+ participants, 3 teams from our department "Team Zyndicate", "Team Always & Forever" and "Cyber Warriors" were in the top 75 teams across the nation.
- Were one of our team “Always and Forever” secured Runners -Up position consecutively & bags ₹25000 at Cyberthon-25, Hosted by The The Hackers Meetup, Defcon Coimbatore Chapter, & Kumaraguru School of Innovation on March 29, 2025.



4.7 Internship Opportunities & Industry Collaborations

SNo	Organization / Company	Recognition	Offered Role / Opportunity	Team
1	Habsy Technologies, Bengaluru	Recognition of Team “Always & Forever” winning Blockathon-25. Offered directly by the CEO (Hackathon Judge).	Product Developer Internship	Team Always & Forever
2	Cloud Destinations + Tamil Nadu Police Department	Recognition of Cyberthon-25 Runner-Up achievement.	Internship at Cloud Destinations + Incubation support from TN Police Dept.	Team Always & Forever
3	Coimbatore Medical College	Department-level collaboration to design and develop a professional website.	Real-time Project Internship / Website Development	MCA Department Students
4	Department of Technical Services (DTS), Kumaraguru College of Technology	Successful development of ID Card Automation & Clearance System to streamline workflows.	Real-time Project Internship / Workflow Automation Project	MCA Department Students
5	Department of Technical Services (DTS), Kumaraguru College of Technology	Successful development of Attendance Tracking & Proforma Generation System to streamline attendance management	Real-time Project Internship / Workflow Automation Project	MCA Department Students

Habsy Technologies

On recognition to team "Always & Forever" Win in Blockathon-25. One of the judges of the

hackathon who is CEO of Habsy technologies, Bangaluru offered Product Developer internship to all the members of the team. The team is currently working with a Dynamic IIT Alumnus.



DHIVAKAR R
24MCA009



GOKULAN S K
24MCA011



HARINI S
24MCA013



METHUNARAJAN A
24MCA034

Commissioner of Police Intern

As a recognition of their outstanding performance in Cyberthon-25 the team has secured an internship offer from Cloud Destinations and offered a incubation from Tamil Nadu Police Department. This remarkable achievement highlights their technical excellence and so reflects the dedication and collaborative spirit that they demonstrated throughout the event.



DHIVAKAR R
24MCA009



HARINI S
24MCA013



METHUNARAJAN A
24MCA034

Medical College Intern

Students from the MCA Department had the opportunity to develop a professional website for Coimbatore Medical College. This initiative allowed them to apply their technical skills in a real-world project, gaining valuable hands-on experience. The collaboration highlighted the department's commitment to innovation, practical learning, and community contribution.



4.8 Industrial Visit

Industrial Visit to Forge Innovation & Ventures

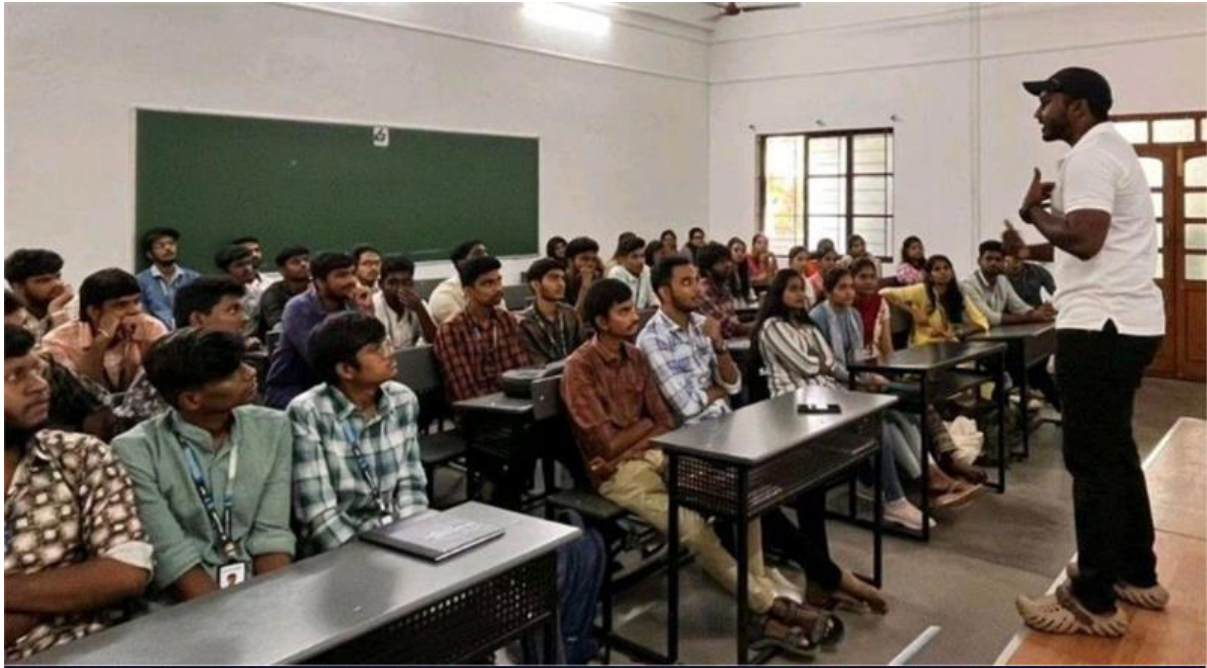
The Department of MCA organized an industrial visit to **Forge Innovation & Ventures**, where students gained exposure to innovation ecosystems and entrepreneurial frameworks. **Mr. Md Farooq Abdullah, Senior Engineer at Forge**, addressed students on the life cycle of startups, the role of incubators, and key areas such as startup acceleration, business consulting, and investments. The session highlighted how tech products can be transformed into viable businesses through mentorship, funding, and strategic execution.



4.9 Silver Jubilee Alumni Meet

The Department of MCA proudly organized the **Silver Jubilee Alumni Meet**, marking 25 years of academic excellence and cherished memories. The event brought together alumni from various batches, providing a platform to reconnect, share experiences, and celebrate their journey with the department. The gathering also served as an inspiration for current students, showcasing the accomplishments of our alumni and strengthening the bond between the department and its extended family.





ALUMNI CONNECT

The Department Association proudly welcomes our esteemed alumni back to their alma mater!



KIRSTEN KENNEDY

SOFTWARE ENGINEER AT SOCIETE GENERALE GLOBAL
SOLUTION CENTRE
CHENNAI



HARISHMA

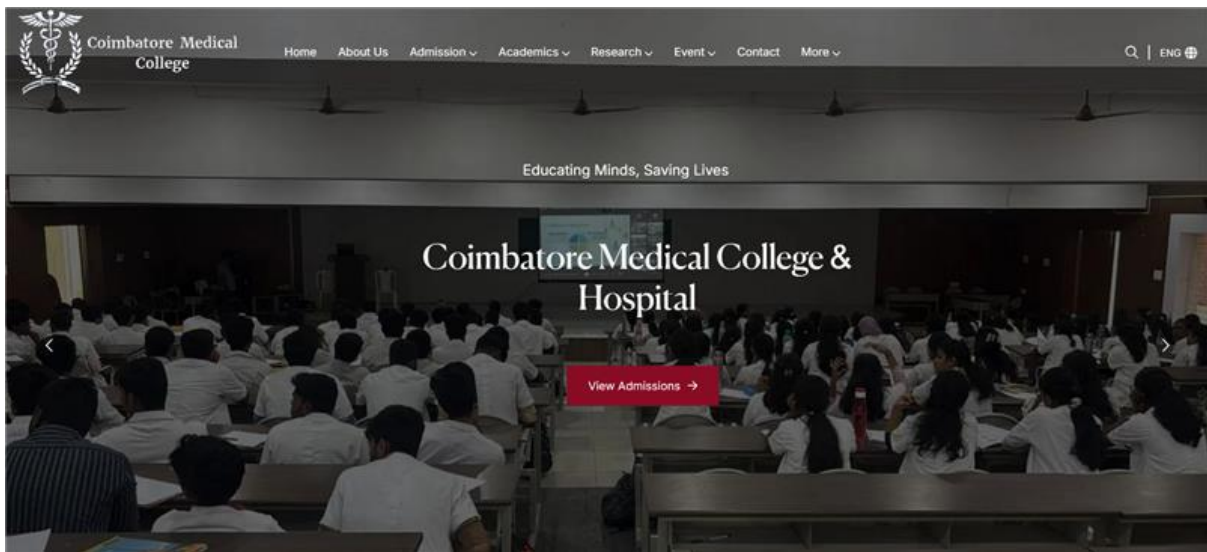
DATA ANALYST AT MATHCO
BENGALURU

Guest Lecture on IT Industry Insights

The Department of MCA organized a **Guest Lecture on 29 November 2024** featuring **Kirsten Kennedy, Full Stack Development Expert**, and **Harishma Nair, Data Analyst**. Kirsten shared insights on modern web development, while Harishma guided students on career opportunities in Data Analytics, covering skills, resume-building, and interview preparation. The session provided practical industry knowledge and career guidance, helping students align with current technological trends

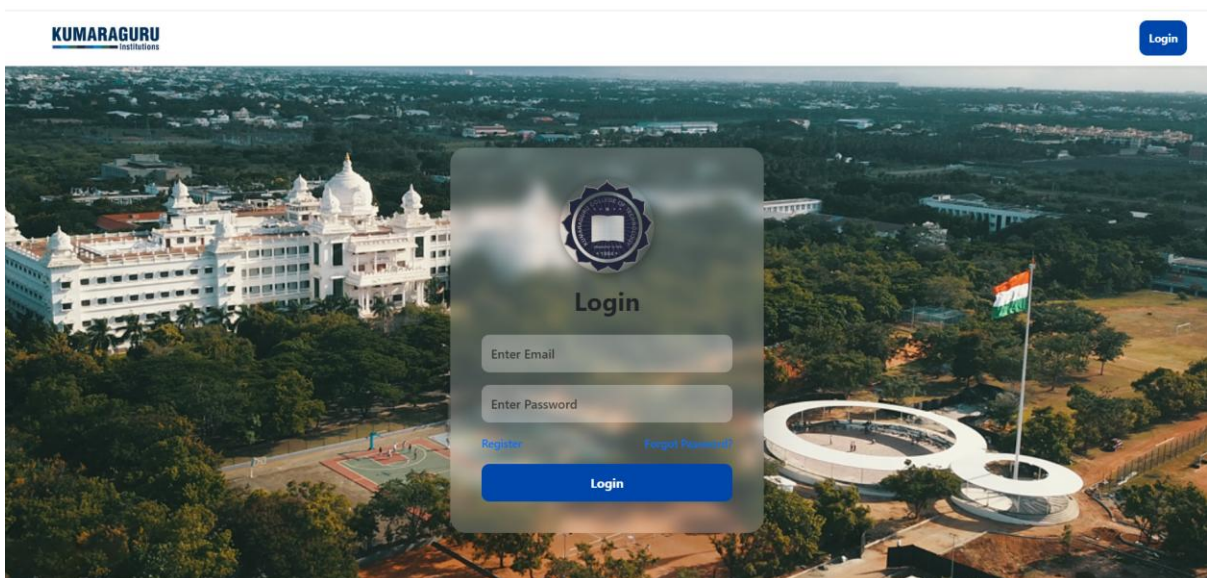
4.10 Internships:

- **CMC Internship**



Students of the **MCA Department** successfully developed a dynamic and user-friendly website for **Coimbatore Medical College**. This project showed their technical expertise in web development while addressing the institution's need for a modern digital platform. Through this initiative, students gained real-world experience, enhanced their teamwork skills, and contributed meaningfully to the medical community.

- **DTS Internship**



Students of the **MCA Department** successfully developed a ID Card Automation and Clearance System for **Department of Technical Services(DTS)** . This project showcased their technical

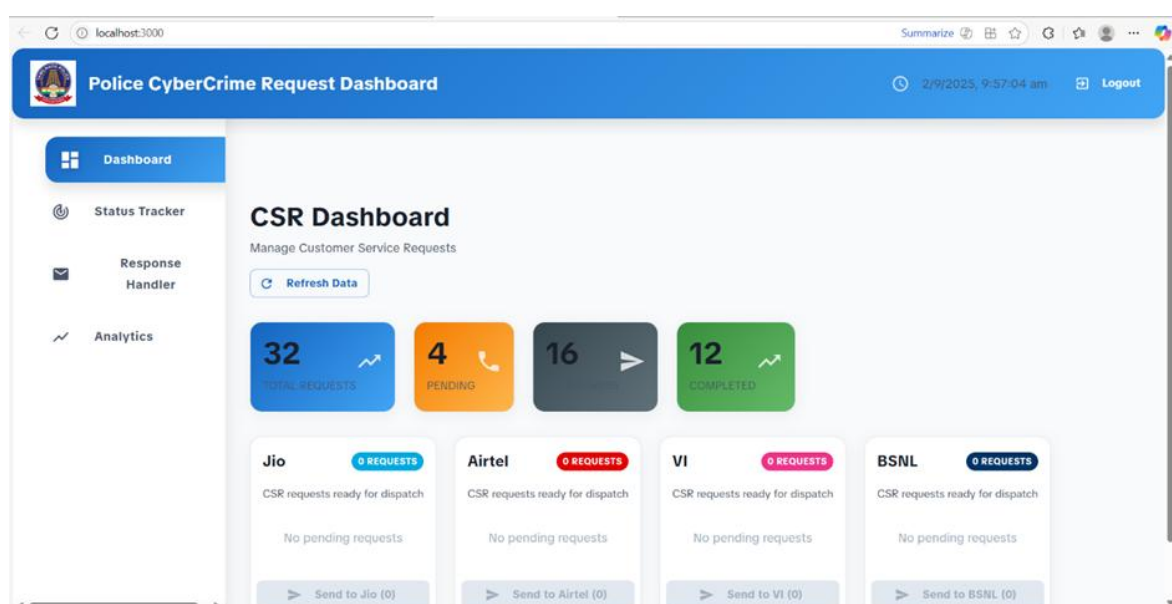
expertise in **workflow automation and system design** while addressing the institution's need for a **streamlined and efficient clearance process**. Through this initiative, students gained real-world experience, enhanced their teamwork and problem-solving skills, and contributed meaningfully to improving **administrative efficiency**.

- **DTS Internship**

The image shows two side-by-side web application interfaces. The left interface, titled 'Excel Insert', is for uploading and managing attendance data. It includes a dropdown for 'MASTER OF COMPUTER APPLICATIONS', a date range for 'Academic Year' (2025-2026), a 'Data Scope' field (End Semester), a 'Semester' dropdown (SEM 2), a 'Calculation Period' with start and end dates (20-01-2025 to 01-05-2025), a 'test' input field, a 'Month' dropdown (May), a 'Year' dropdown (2025), a 'Choose Files' button, and an 'Upload' button. The right interface, titled 'Filter Attendance Records', allows filtering by 'Programme', 'Batch', 'Academic Year', 'Semester No', and 'Scope', each with a dropdown menu. It also features 'Get Records' and 'Upload' buttons.

Students of the **MCA Department** developed an **Attendance Tracking and Proforma Generation System** using ASP.NET Core. The application automated Excel uploads, database integration, and report generation, enabling faculty to generate standardized proformas in Word format. This project enhanced students' technical expertise, problem-solving, and teamwork skills while improving academic administrative efficiency.

- **Police Cybercrime Request Dashboard**



Students of the **MCA Department** developed a **Police Workflow Automation System** for the Coimbatore City Police Department. The application automated Crime Scene Report processing, data categorization, and report dispatch via a dynamic web dashboard, improving accuracy, efficiency, and real-time tracking. This project enhanced students' technical skills, problem-solving, and teamwork while providing a practical solution for law enforcement workflows.

Chapter – 5

5.1 Project Spotlight

2023 Batch – MCA Project Spotlight

During the project phase, all MCA students successfully completed **Coursera certification courses** aligned with their project problem statements and platforms, ensuring they gained additional skills alongside project work.

A total of **63 projects** were carried out, including **29 in-house projects** and **34 industry projects**, which were evaluated by industry experts to ensure real-world relevance and quality.

Review Timeline

- **Review 1** – 25 January 2025
- **Review 2** – 15 February 2025
- **Review 3** – 29 March 2025
- **Project Viva-Voce & Post-Presentation Awards** – 23 April 2025

External experts from diverse industries assessed the projects. Based on their evaluation across **five key criteria**, the following students were recognized for excellence:

Award Winners

Design Excellence

- 23MCA041 – Pooja Jenifer C
Supervisor: Dr. N. Jayakanthan
Issue Tracking System

Sustainability Excellence

- 23MCA024 – Judith Pacifica J
Supervisor: Dr. L. Dhanabal
Comprehensive Cloud-Based Farm Management System Integrated with IoT

Innovation Excellence

- 23MCA051
Supervisor: Sangeethkumar M
Escape Room

Product / Solution Excellence

- 23MCA035 – *Mohamed Ibrahim Afrith M*
Supervisor: Dr. Vijilesh V
Integrated Culinary Services Platform

Process Excellence

- 23MCA009 – *Chitra Banu G*
Supervisor: Dr. M. Manikantan
EduTrend – Predictive Analytics for Admissions

This **structured approach**—with multiple reviews, expert evaluations, and the final viva-voce—not only strengthened students’ technical expertise but also nurtured their **innovation, problem-solving, and presentation skills**, preparing them for future professional challenges.

Chapter - 6

Workshop & Seminar

SNo	Name of the Event	Type	Date	Organized by / Venue	Participation / Key Highlights
1	StudioX: Android Native Edition – Built, Innovate, Launch	Organized	Mar 08 2024	MCA Dept. with <i>Senthil Kumar, Zoho</i>	Hands-on workshop on Android app development, performance optimization, and latest Android trends.
2	XR Summit 2024	Attended	Nov 16-17 2024	IIT Madras – XTIC	Students represented Dept. at India's first XR summit. Networking with leaders (Qualcomm, Sony, Samsung) & Oculus VR co-inventor Steve LaValle.
3	Earth System Governance Conference	Attended	2024 (Online)	International Conference (Virtual)	4 MCA students participated. Gained insights into sustainability, governance frameworks & role of technology in environment.
4	Google DevFest	Attended	2024 (As per schedule)	Google Developers Community	8 MCA students attended. Exposure to AI, Cloud, Web & Mobile Dev; networking with industry experts. Enhanced technical skills.

Workshops

StudioX: Android Native Edition



StudioX was a successful event featuring **Senthil Kumar from Zoho**, who shared expertise on building scalable native Android apps. Participants gained hands-on experience, insights into best practices, performance optimization, and the latest Android trends. The event fostered learning,

creativity, and innovation, empowering developers to elevate their app-building skills.

XR Summit (IIT-Madras)



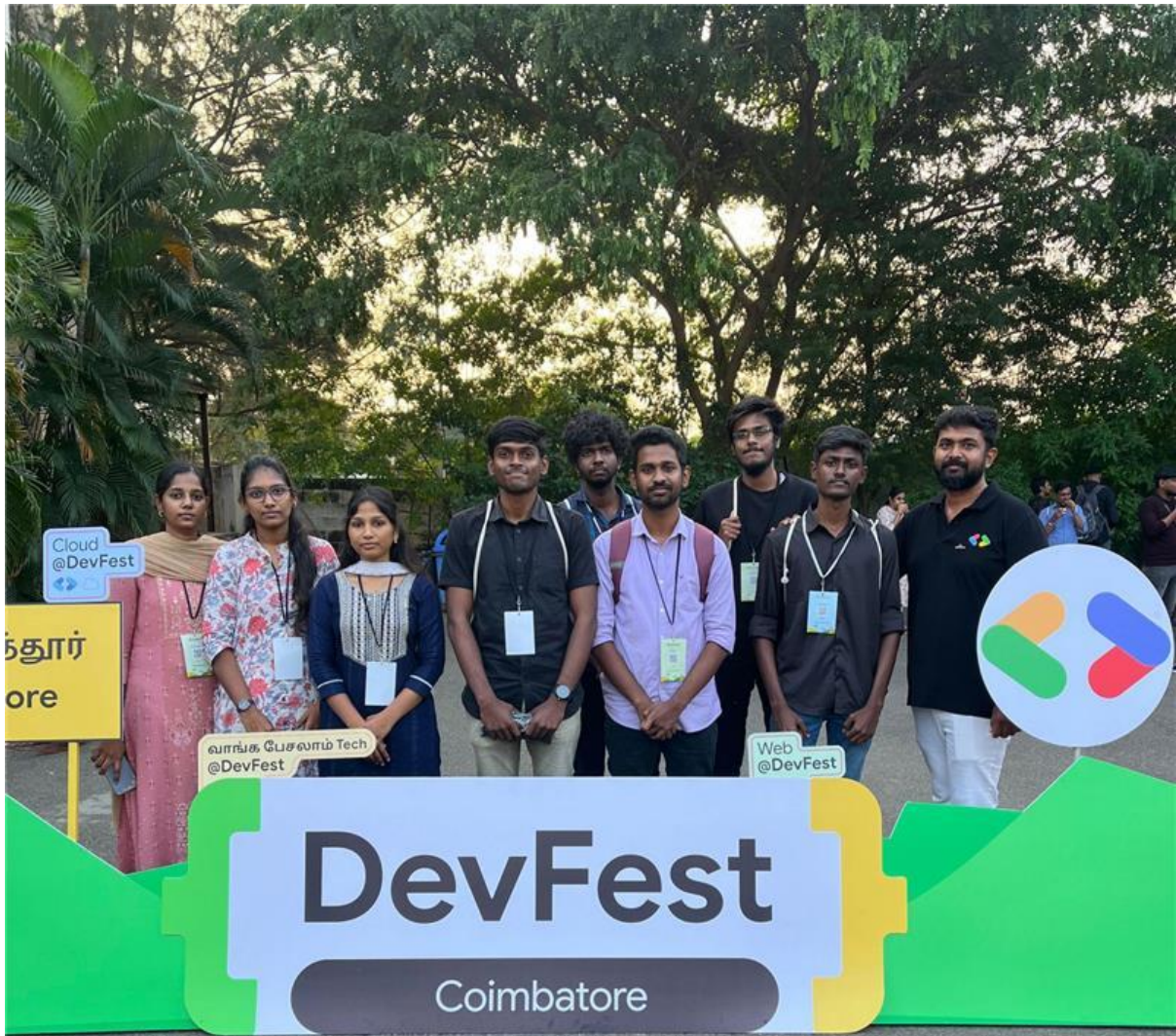
Students from our department represented our department at the XR Summit 2024, hosted by IIT Madras' XTIC on November 16-17, 2024, India's first academia-industry-supported event for Extended Reality (XR).

Gained insights from workshops, networking with people like Steve LaValle (Co-inventor of Oculus VR) and industry leaders like Qualcomm, Sony, and Samsung, and explored IITM's Haptics Lab.

Participation in Earth System Governance Conference

Four students from the Department of MCA participated in the **Earth System Governance Conference (online)**, gaining valuable insights into global sustainability, governance frameworks, and the role of technology in addressing environmental challenges. The conference provided them with an opportunity to learn from international experts and explore how digital solutions can contribute to sustainable development.

Participation in Google DevFest



Eight students from the Department of MCA attended **Google DevFest**, a premier community-led developer event. The fest provided them with exposure to the latest technologies in **AI, Cloud, Web, and Mobile Development**, along with opportunities to network with industry experts and developers. The experience enhanced their technical knowledge and inspired them to explore innovative solutions in their future projects.

Chapter – 7

Alumni Connect



The **Global Alumni Meet** was a remarkable gathering that brought together alumni from across the globe to reconnect, reminisce, and celebrate their shared journey with the institution. The event served as a vibrant platform for fostering stronger bonds between alumni, faculty, and current students. It featured inspiring talks, experience-sharing sessions, and networking opportunities that highlighted the achievements of our alumni while also motivating the younger generation.



Mr. Anantha Padmanabhan Sethuraman, a proud alumnus and Head of Data Science, Vice President at Morgan Stanley, shared insights on the power of data in today's tech-driven world. His session inspired students to explore careers in AI, cloud, and cybersecurity, while emphasizing the value of passion and continuous learning.

Chapter – 8

Placement Information

The **2023 MCA batch** has achieved remarkable placement success; with several students securing offers from top multinational corporations and reputed firms. The highest salary package recorded this year is **₹12.5 LPA**, reflecting the strong industry demand for our graduates.

Highlights

- **Top salary offered:** ₹12.5 LPA
- **Companies:** Intcure, Infosys, Multicoreware, InfoMindz Malaysia
- **Domains:** Software Development, Consulting, Cloud, and Product Engineering

Placement Summary – 2023 Batch:

S. No.	Name of the Student	Roll No.	Name of the Employer
1	ABISHECK KUMAR J	23MCA001	INFOMINDZ R&D
2	ABISHEK V	23MCA002	AKIRA INSIGHTS
3	AKSHAYAPRASANTH Y	23MCA004	CLOUD DESTINATIONS
4	ARUNA K	23MCA006	SOLARTIS
5	ARUNSURYA P	23MCA007	QSPIDERS
6	ASHA MERCY R	23MCA008	LTi MINDTREE
7	CHITRA BANU G	23MCA009	MATHCO
8	DHARSHINI.TK	23MCA011	[24]7.AI
9	DURGA NANDHINI. S	23MCA012	MULTICOREWARE
10	FRANKLIN IMMANUEL N	23MCA013	P.S.G COLLEGE OF TECHNOLOGY
11	GAYATHIRI P	23MCA014	DMEX
12	GIRINIKESH V	23mca015	AVASOFT
13	GOWTHAM C	23MCA017	ANKER CLOUD
14	HARIHARAN S	23MCA018	CAPGEMINI
15	HELAN SHARMILA S	23MCA020	ASSEMBLY
16	HEMANTH KUMAR. J	23MCA021	QSPIDERS
17	JAYAPRIYA E	23MCA022	WISE WORK
18	KABILA SHREE K	23MCA025	MOVATE
19	KANISHKA K	23MCA026	JUSTDIAL
20	KAVIDHARSHINI I	23MCA028	MATHCO
21	KAVIYASSRI K	23MCA030	INFOSYS
22	LOGESH RAJA M	23MCA032	INTRAINZ INNOVATION
23	MADHUMITHA.K	23MCA033	ACADEMOR
24	MATHANBABU M	23MCA034	INFOMINDZ R&D
25	NAGAVELAN C	23MCA037	MULTICOREWARE
26	NITHEESH K	23MCA039	PSG SOFTWARE TECHNOLOGIES
27	NITISH M	23MCA040	CLOUD DESTINATIONS
28	POOJA R	23MCA042	CAPGEMINI
29	PRABANYA K	23MCA043	NALLAS SOFTWARE
30	PRATHEEKA P	23MCA045	LAUNCHED
31	PRATHIKA.S	23MCA046	QSPIDERS

32	PRUTHVIRAJ D	23MCA047	LAUNCHED
33	PUGAZHENDHI K	23MCA048	CLOUDNOW TECHNOLOGIES
34	ROHITH P .	23MCA049	ZED DIGITAL
35	SACHIN KUMAR G	23MCA050	RANKUHIGHHER
36	SANGEETHKUMAR M	23MCA051	OBJECTX INNOVATECH PVT LTD
37	SANJAY V	23MCA052	AVASOFT
38	SHANKAR MAHADEVAN M	23MCA053	KALVIUM
39	SHOBHIKAA.G	23MCA054	QSPIDERS
40	SRIRAM S	23MCA058	ANKER CLOUD
41	SUVETHA.B	23MCA061	LITERACT FINTECH
42	VASUNDHRA G	23MCA062	MATHCO
43	VIKKI V	23MCA063	TAP ACADEMY
44	YAZHINI K	23MCA064	ASSEMBLY

The success of the 2023 batch placements is a testament to the department's commitment to **industry-driven training, technical excellence, and holistic student development.**

Top Placement Highlights (2021–2023 Batches)

S.No	Registration No.	Student Name	Company	Salary (LPA)
1	22MCA004	Buvanyashri P	Intcure	12.5
2	22MCA022	Kiruppa Sri S	Ford	12.5
3	22MCA033	Pavith Amarnath P	Colruyt	12.5
4	23MCA030	Kaviyassri K	Infosys	9.5
5	21MCA011	Hari Krishna	Oracle	8.8
6	23MCA012	Durga Nandhini S	Multicoreware	8.5
7	23MCA037	Nagavelan C	Multicoreware	8.5
8	23MCA001	Abisheck Kumar J	Infomindz R&D	8.36
9	23MCA034	Mathanbabu M	Infomindz R&D	8.36
10	20MCA032	Promoth Kumar P	InfoMindz Malaysia	8.08

- The MCA program has successfully placed students in reputable companies with competitive salary packages.
- The highest salary package is quite attractive at 12.5 LPA, highlighting the presence of premium offers.
- There is a healthy diversity of companies participating in the recruitment, from IT giants like Infosys and Oracle to niche players like Multicoreware and Infomindz.
- The placements seem balanced with a mix of high and mid-level packages, indicating varied opportunities based on skill sets.
- The presence of international offers (Infomindz Malaysia) suggests some global placement opportunities as well.

Editorial Desk

Staff Name: Dr.Rajankrupa C AP III / MCA

Student Names:

1. 24MCA017 – Janani S	3. 24MCA060 – Varun S
2. 24MCA013 – Harini S	4. 24MCA055 – Suchmitaa Navodini P R