

## Department of Computer Applications

### Principal's Desk



### Newsletter

Welcome to M.S. Ramaiah College of Arts, Science, and Commerce, Bengaluru, an institution committed to academic excellence and holistic student development. At MSRCASC, we believe education extends beyond textbooks. Our campus is equipped with state-of-the-art infrastructure, including advanced laboratories and smart classrooms that enhance learning experiences. Our dedicated and highly qualified faculty provide invaluable support in all academic, co-curricular, and extra-curricular initiatives. We understand the dynamic needs of the industry and have established strong partnerships with leading industries, research institutions, and corporations. This collaboration enables us to offer our students cutting-edge training, industry-relevant knowledge, and hands-on experiences through workshops, add-on courses, internships, and industrial visits.

Our carefully curated curriculum goes beyond the classroom, focusing on practical skills, soft skills development, and research-based learning to ensure that our students are not just prepared for their careers but are empowered to innovate, lead, and excel in their respective fields. At MSRCASC, we cultivate a culture of curiosity, creativity, and lifelong learning, preparing our students to thrive in a rapidly changing world. Join us and be part of a community that shapes the future!

## About The Department

The Computer Science department offers MCA program autonomous from the academic year 2024-25 with an intake of 60, affiliated to Bengaluru City University approved by AICTE. The department is equipped with state-of-the-art infrastructure and well-equipped computer labs with good internet, servers, hardware and software support. The MCA curriculum provides a highly-varied learning orientation for students by balancing core courses, advanced elective courses and dissertation or project with constant revisions to the programme structure to match advancements in the field to keep them in sync with advances in technology and prepare them for lifelong learning.



## Message from HOD

Welcome to the Department of Master of Computer Applications (MCA). Our mission is to provide quality education, foster innovation, and nurture talented individuals to become future tech leaders. We strive for excellence in teaching, research, and industry collaboration, ensuring our students are well-equipped to tackle real-world challenges.



Our dedicated faculty and state-of-the-art infrastructure provide a conducive learning environment. We encourage students to participate in extracurricular activities, hackathons, and industry events to enhance their skills and knowledge.

The MCA program is designed to cater to the growing demands of the IT industry, focusing on practical applications, research, and development. Our goal is to produce graduates who are not only technically proficient but also possess strong problem-solving skills.

I invite you to explore our department, engage with our faculty, and take advantage of the opportunities we offer.



### “Poster Presentation”

**Date: 15<sup>th</sup> January 2025**

The MCA Club, “**TECHTONIC**”, proudly inaugurated its activities with the first event, a **Poster Presentation**, on 15th January 2025. The event was aimed at fostering creativity, innovation, and technical knowledge among the students while providing a platform to showcase their ideas.

The event was graced by the presence of the principal, **Dr. Pushpa H**, who inaugurated the club and officially commenced its activities. The **Poster Presentation** served as a testament to the club’s vision of nurturing a community of tech-driven innovators and leaders.



1. **Encourage Creativity and Innovation:** To provide students with a platform to showcase their innovative ideas and creative skills through visual representation.
2. **Enhance Technical Knowledge:** To promote research and in-depth understanding of various technical topics by encouraging students to explore and present them effectively.
3. **Foster Communication Skills:** To develop students' ability to articulate their ideas and present complex concepts clearly and confidently to an audience.



### “Entrepreneurship Excellence: Future Founders Fellowship Program”

**Date: 02/01/2024 to 04/01/2024**

The "Future Founders Fellowship Program" by INDPRO is designed to inspire and nurture entrepreneurial talent among students from diverse academic backgrounds. The program provides opportunities for students to explore their entrepreneurial potential, learn the fundamentals of starting and managing a venture, and gain valuable insights into innovation and leadership.



#### 1. Enhanced Knowledge and Skills

Participants gain a solid foundation in entrepreneurship, including business planning, market analysis, and financial management.

#### 2. Practical Experience

Hands-on project work prepares students to face real-world challenges effectively.

Paid internships and job opportunities lead to tangible career progression .

We are happy to share three students got selected for **Founders Fellowship Program**

✚ Spoorthi Gopalkrishmna

✚ Goutham Shanbog

✚ Shiv Ram krishna



# MCA INSIGHTS

## EVENTS

### **“Exploring Swayam Courses: Lifelong Learning in the Digital Age”**

**Date: 04<sup>th</sup> January 2024**

The department conducted a program to get introduced to SWAYAM, Skill Enhancement- to acquire new skills and knowledge beyond their academic curriculum

- Self-Paced Learning- learn at their own pace, helping them grasp concepts thoroughly without the pressure of a traditional classroom setting.
- Access to Experts- taught by experts in their respective fields.
- Global Exposure- enables students to interact with peers from different parts of the country.





### “Student Enablement Program on Generative AI”

**Dates:** 6th to 8th January 2025

The Department of MCA successfully organized a three-day **Student Enablement Program on Generative AI** in collaboration with Infosys Springboard. The program, held from the 6th to 8th of January 2025, aimed to enhance students' knowledge and skills in the rapidly evolving field of Generative AI.

The sessions, delivered by **Mrs. Girija T R** Senior Analyst - Education, Training & Assessments were meticulously designed to introduce students to cutting-edge AI technologies and their applications.



#### *Day 1: 6th January 2025*

The first session provided an overview of OpenAI's Generative Pre-trained Transformer (GPT) models. Participants gained insights into the architecture, functionality, and applications of GPT models in diverse domains.

#### **Day 2: 7th January 2025**

This session focused on the importance of **prompt engineering** in maximizing the performance of AI models. Students also explored the principles of AI-first software engineering, enabling them to integrate AI effectively into software development processes.



# MCA INSIGHTS

## EVENTS

### Day 3: 8th January 2025



The final session delved deeper into the functionalities of GPT-3, showcasing its capabilities for developers. Students learned practical applications, best practices, and how to harness GPT-3 for building innovative solutions.



### “Industrial Visit to HAL Management Academy (HMA)”

**Date of Visit:** 1st February 2025

The **Industrial Visit to HAL Management Academy (HMA)** was organized to provide students with practical exposure to corporate management, aviation technology, and innovation strategies. The visit aimed to bridge the gap between academic learning and industry practices by offering first hand insights into business operations, corporate leadership, and emerging technological trends in the aviation sector.



- A warm welcome by **HMA officials**, followed by an introductory session on **Hindustan Aeronautics Limited (HAL)** and the role of **HMA** in corporate training.
- Overview of **aviation industry trends**, **defense manufacturing**, and **management strategies**.



- Guest lecture by **industry experts** on the importance of leadership and innovation in the aviation and corporate sector.

# MCA INSIGHTS

## EVENTS

- Discussion on **start-up ecosystem, business case studies, and entrepreneurial challenges.**
- **Participation in SAADHANA 2025, the prestigious Annual Corporate Conclave of HMA.**
- Our MCA students **won multiple accolades**, including:
  - 🏆 **1st Prize – Best Startup Idea**
  - 📖 **2nd Prizes – Book Review Competition**

