

## 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.

# MCA INSIGHTS

## EVENTS

### “Academic Achievement Highlight – NPTEL Certifications”

Date: 7<sup>th</sup> April 2025

As part of our continued focus on academic excellence and industry-relevant learning, students of the MCA Department have successfully completed **NPTEL (National Programme on Technology Enhanced Learning)** certification courses during the January to March 2025 session.

These online certifications, offered by premier institutions like IITs and IISc, reflect the dedication of our students toward upskilling in cutting-edge technologies and core computer science domains.

#### List of Students & Completed Courses:

Sl.No	Reg. No.	Name	Course Title
1	P18MB24S126025	Sanjana H. Kurtakoti	Database Management System
2	P18MB24S126057	Grishma C D	Database Management System
3	P18MB24S126024	Bhagavathi Sharma L. S	Advanced Robotics Application
4	P18MB24S126003	Aishwarya H. S	Edge Computing
5	P18MB24S126004	Annapoorna J	Edge Computing
6	P18MB24S126005	Shreeraksha	Edge Computing

We congratulate all the achievers and encourage more students to actively participate in such platforms to broaden their academic and professional horizons.

Let us continue to promote a culture of **self-learning, certification, and innovation** within our MCA community!



**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SANJANA KURTA KOTI**  
for successfully completing the course

**Data Base Management System**

with a consolidated score of **49 %**

Online Assignments	19.17/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **8423**

Jan-Mar 2025  
(8 week course)

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL25CS18S636404617 To verify the certificate No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SHREERAKSHA**  
for successfully completing the course

**Edge Computing**

with a consolidated score of **78 %**

Online Assignments	25/25	Proctored Exam	52.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: **1487**

Jan-Mar 2025  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

Roll No: NPTEL25CS28S336400099 To verify the certificate No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**BHAGAVATHI SHARMA L S**  
for successfully completing the course

**Advanced Robotics Applications**

with a consolidated score of **66 %**

Online Assignments	17.5/25	Proctored Exam	48/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **325**

Feb-Apr 2025  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

Roll No: NPTEL25ME8SS942204085 To verify the certificate No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**AISHWARYA H S**  
for successfully completing the course

**Edge Computing**

with a consolidated score of **81 %**

Online Assignments	25/25	Proctored Exam	55.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: **1487**

Jan-Mar 2025  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

Roll No: NPTEL25CS28S336405908 To verify the certificate No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**GRISHMA CD**  
for successfully completing the course

**Data Base Management System**

with a consolidated score of **63 %**

Online Assignments	20.83/25	Proctored Exam	42/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **8423**

Jan-Mar 2025  
(8 week course)

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL25CS18S636402171 To verify the certificate No. of credits recommended: 2 or 3

**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**ANNAPURNA J**  
for successfully completing the course

**Edge Computing**

with a consolidated score of **67 %**

Online Assignments	24.58/25	Proctored Exam	42.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1487**

Jan-Mar 2025  
(8 week course)

Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

Roll No: NPTEL25CS28S436404378 To verify the certificate No. of credits recommended: 2 or 3

# MCA INSIGHTS

## EVENTS

### **“National Technology Day 2025: Tech Talent at MSRCASC”**

**Date: 16<sup>th</sup> May 2025**

National Technology Day, celebrated on May 11th every year, commemorates India's technological advancements and achievements, particularly the successful Pokhran nuclear tests of 1998. In line with this spirit of innovation.

The Department of Computer Science at MSRCASC, in association with the Institution's Innovation Council (IIC ID: IC202221248), organized an engaging IT Quiz in Computer Lab, with 40 enthusiastic participants. The quiz aimed to deepen students' knowledge across vital IT domains such as programming, networking, and emerging technologies through three thoughtfully designed rounds:

- Round 1 – General IT Questions
- Round 2 – Program Debugging
- Round 3 – Coding

Students demonstrated their algorithmic thinking, debugging abilities, and coding skills. The event not only tested technical knowledge but also promoted critical thinking, problem-solving, and a healthy spirit of competition.



Bengaluru, Karnataka, India  
Ramaiah Institute Of Technology Ms Ramaiah College  
Of Arts Science & Commerce, M S Ramaiah Nagar,  
Mathikere, Bengaluru, Karnataka 560054, India  
Lat 13.032266° Long 77.565901°  
16/05/2025 11:04 AM GMT +05:30



Bengaluru, Karnataka, India  
F-37 Aryabhata Block, Ramaiah Boys Hostel, M S  
Ramaiah Nagar, Mathikere, Bengaluru, Karnataka 560054,  
India  
Lat 13.031997° Long 77.564987°  
16/05/2025 12:31 PM GMT +05:30



Bengaluru, Karnataka, India  
2hj7+qvj, M S Ramaiah Nagar, Mathikere,  
Bengaluru, Karnataka 560054, India  
Lat 13.032333° Long 77.564629°  
16/05/2025 11:43 AM GMT +05:30



Bengaluru, Karnataka, India  
Ramaiah Institute Of Technology Ms Ramaiah College Of  
Arts Science & Commerce, M S Ramaiah Nagar, Mathikere,  
Bengaluru, Karnataka 560054, India  
Lat 13.032264° Long 77.565395°  
16/05/2025 12:48 PM GMT +05:30



### “SOCIAL OUTREACH INITIATIVE PROGRAM”

**Date:** 14th June 2025

**Venue:** Saraswathi Educational and Charitable Trust, Mathikere, Bangalore

As a step towards creating socially responsible professionals, the Department of MCA at Ramaiah College of Arts, Science and Commerce organized a meaningful Social Outreach Initiative Program on 14th June 2025 at Saraswathi Educational and Charitable Trust, HMT Layout, Bangalore.

Our enthusiastic MCA students actively participated in this event, reflecting the true spirit of empathy, responsibility, and community service. As part of the outreach, they distributed essential stationery items and conducted some activities are:

- **Donation Drive: (essential stationery items )**
- **Interactive Session with the Children**
- **Awareness on Personal Safety**

The goal of this initiative was not just to donate, but to engage with the community and bring smiles to the faces of underprivileged students. The event created a sense of gratitude and awareness among our participants, reinforcing the idea that small acts of kindness can lead to a larger impact.

This outreach program is a part of the MCA department's continuous efforts to integrate academic learning with societal contributions, ensuring our students grow into not only capable professionals but also compassionate individuals.



