



**SRM**  
UNIVERSITY  
ONLINE

# Master of Computer Applications

Flexible, Technology-Oriented  
Education for a Thriving Career in IT

**24 Months Program**

Global MCA\*



Brochure 2025-26

[www.onlinesrm.in](http://www.onlinesrm.in)

# Welcome to SRM University Sikkim

## Building Tomorrow's IT Professionals



With over 50 years of strong legacy in the field of education. The SRM Group, a prominent educational conglomerate in India known for its emphasis on research and development, nurtures talent through rigorous academics and holistic development.

SRM Group of Institutions offers undergraduate, postgraduate, and doctoral programs in a variety of disciplines, including engineering, management, medicine, and social sciences. The group's institutions feature cutting-edge facilities, a supportive learning environment, and extensive industry connections, with the goal of providing students with a comprehensive education and preparing them for successful careers.

## Why Choose SRM University Sikkim for Your MCA?



**World-Class Education:** Experience learning from esteemed faculty with expertise in computer science and information technology.



**Flexible Learning:** Access the online MCA program at your convenience, with the ability to study at your own pace.



**Industry-Relevant Curriculum:** Learn cutting-edge technologies, programming languages, and IT solutions aligned with industry demands.



**Latest Technologies:** Develop strong programming skills on platforms like Python, Java, and AI.



**Global Recognition:** Leverage SRM's legacy of excellence in education and international collaborations.



**Skill-Building Courses:** Access additional industry-relevant courses in areas like data analytics, cloud computing, and cybersecurity through Coursera.

\*Add-on certifications from International Universities, with exclusive access to Coursera

From the Chancellor's Desk

## Dr. P. Sathyanarayanan

Chancellor, SRM University Sikkim



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**At SRM University Sikkim, we believe in empowering students to reach their fullest potential, not only academically but also in their professional journey as future IT leaders.**

**In today's rapidly evolving technological landscape, it is essential to stay ahead by mastering emerging technologies and embracing innovation. Our online MCA program offers a forward-thinking, flexible, and industry-aligned learning experience, designed to equip you with the technical expertise needed to thrive in the dynamic IT sector.**

The online format of our MCA program provides unmatched convenience, enabling you to balance your professional and personal commitments while advancing your education. Our diverse curriculum, crafted by academic experts and industry leaders, emphasizes practical applications and cutting-edge technologies to prepare you for the challenges of the ever-changing IT landscape.

As you embark on your educational journey with SRM University Sikkim, you will be supported by an academic community dedicated to your growth, innovation, and success. I invite you to take the next step toward becoming a technology leader and join our legacy of excellence in education.



Message from the Leadership

## Prof. Ch. Satish Kumar

Chancellor, SRM University Sikkim

**Welcome to SRM University Sikkim, where we are dedicated to empowering you through innovative online education in the field of technology and IT. In today's fast-paced digital world, flexibility and accessibility are crucial, and our online programs are designed to provide you with a world-class education that seamlessly fits into your lifestyle and aspirations.**

As an A+ university graded by NAAC, our advanced online platforms, expert faculty, and technology-driven curriculum ensure you have the resources needed to excel in the dynamic IT industry. Whether you aim to advance your career, transition into the tech field, or enhance your programming and problem-solving skills, our programs are tailored to meet your unique goals.

Our commitment to academic excellence is matched by our focus on fostering a vibrant and inclusive learning community. Through interactive courses, hands-on projects, and a supportive network of peers and mentors, you will engage with ideas and perspectives that prepare you for success in the global technology ecosystem.

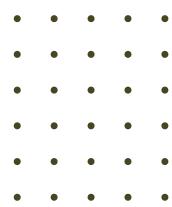
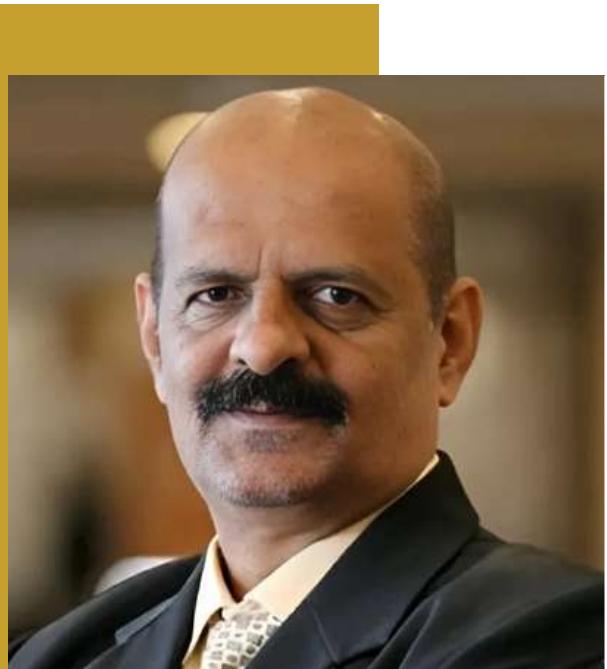
Thank you for choosing SRM University Sikkim as your partner in education. We are honored to be part of your journey and look forward to celebrating your achievements as a technology professional.



## Message from the Leadership

# Dr. H. N. Udupa

Director (Online Education), SRM University Sikkim



**At SRM University Sikkim, we are committed to providing quality, industry-relevant education in technology and computer applications to learners worldwide, irrespective of age, culture, or socio-economic background. Our online MCA program is designed to equip you with the skills and knowledge needed to thrive in the ever-evolving IT sector and contribute to the advancement of the global digital economy.**

The SRM University Sikkim online platform leverages the latest educational technology, offering a user-friendly virtual campus that delivers structured, interactive, and engaging learning experiences. Our curriculum, developed by expert academicians and IT industry leaders, ensures that students gain practical skills and hands-on experience essential for excelling in today's technology-driven job market.

We are dedicated to making your learning journey both enriching and memorable, empowering you with the tools and expertise required for professional success in the field of computer applications. I extend a warm welcome to all aspiring students and look forward to supporting you as you embark on your journey toward a rewarding career in IT.



## A Timeline of Success

# Our 50+ years of Heritage

**1969**

*The Beginning of Our Journey*

Nightingale School

**1984**

*Polytechnic College Established*

**1985**

*Launched Engineering College*

SRM Engineering College

Valliammai Polytechnic

**1992**

*Expanded into Medicine*

**1993**

*Arts and Sciences Introduced*

- SRM Arts & Science College
- SRM Institute of Management Studies
- SRM Institute of Hotel Management

SRM College of Pharmacy

**1996**

*New Engineering Campus*

**1997**

*Next Polytechnic & Management Institute*

SRM College of Occupational Therapy

- SRM Institute of Management & Technology
- SRM Polytechnic

**2002**

*Achieved Deemed University Status*

**2005**

*The Majestic Medical Revolution Begins*

SRM University

SRM Medical College & Research Center

**2009**

*Next Gen Medical Campus*

**2013**

*Spreading Across India*

Chennai Medical College

SRM University, Haryana

**2014**

*Expanding Stronger*

**2017**

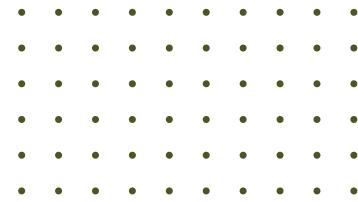
*Expanding Further*

SRM University, Sikkim

SRM University-AP, Andhra Pradesh

## Ranking and Accreditation

Ensuring high academic standards and recognition for excellence in education



**Recognized by the University Grants Commission (UGC),** meeting the highest standards for higher education.



**Programs are AICTE-approved,** adhering to national standards for quality education in technical fields.



**Awarded an A+ grade for academic excellence,** recognizing our high standards in learning and continuous improvement.



**ISO 9001:2015 certified,** ensuring adherence to global standards in quality management and operational efficiency.

## About The Program

Our **Master of Computer Applications (MCA)** program is designed to provide a solid foundation in computer applications and information technology, preparing students for rewarding careers in the ever-evolving IT industry. With a focus on practical application, emerging technologies, and technical expertise, this online MCA program equips you with the skills to excel in diverse IT domains.

The program offers a comprehensive curriculum that covers foundational and advanced subjects such as **Programming in Java, Artificial Intelligence and Machine Learning, IT Infrastructure Management, and Optimization Techniques**, combined with electives in cutting-edge areas like **Cyber Security, Big Data Analytics, and Mean Stack Web Development**. Designed for aspiring IT professionals and career switchers, the program is delivered through flexible, AI-driven platforms tailored to your individual learning style and professional goals.



**24 Months**



**4 Semesters**



**15-20 Hours/Week**



**80 Credits**



# Tailored to Your Career Goals

## Electives



### Cyber Security

Learn techniques to protect digital systems, prevent cyber threats, and safeguard sensitive information.



### Big Data Analytics

Master data analysis and visualization techniques to drive business decisions using large datasets.



### Mean Stack Web Development

Develop full-stack web applications using MongoDB, Express.js, Angular, and Node.js.



### Internet of Things (IoT)

Explore the integration of devices and systems in connected environments for smarter applications.



### Data Visualization

Gain expertise in creating intuitive dashboards and graphical representations of data.



### Software Engineering & Project Management

Build software systems efficiently and manage projects with industry best practices.

## Program Curriculum

### Semester 1

Course Name	Credits
Basic Mathematics (Bridge Course)*	NA
Fundamentals of Computer (Bridge Course)*	NA
Programming in Java	4
Operating System	4
Database Technology	4
Computer Networks	4
Programming in Java - Practical	2
Operating System and Database Technology - Practical	2
<b>Total Credits</b>	<b>20</b>

### Semester 2

Course Name	Credits
Python Programming	4
Advanced Data Structure and Algorithms	4
Advanced Web Application Development	4
Optimization Techniques	4
Advanced Data Structure and Algorithms - Practical	2
Advanced Web Application Development - Practical	2
<b>Total Credits</b>	<b>20</b>

### Semester 3

Course Name	Credits
Artificial Intelligence and Machine Learning	4
IT Infrastructure Management	4
Elective - I	4
Elective - II	4
Mini Project	4
<b>Total Credits</b>	<b>20</b>

### Semester 4

Course Name	Credits
Elective - III	4
Elective - IV	4
Project Work	12
<b>Total Credits</b>	<b>20</b>

# Electives

## Semester 3

### Course Name

Android Applications Development  
Data Analysis using R  
Cyber Security  
Internet of Things (IoT)

### Semester

4  
4  
4  
4

## Marketing

### Course Name

Mean Stack Web Development  
Big Data Analytics  
Data Visualization  
Software Engineering and Project Management

### Semester

4  
4  
4  
4

## Career Opportunities

Software Developer | Data Scientist | Machine Learning Engineer  
Web Developer | Systems Analyst | Full Stack Developer  
Cloud Architect | Ethical Hacker | IT Infrastructure Manager  
Cybersecurity Specialist | Big Data Analyst | IoT Developer

## Industry Partners



### Note:

- The university has the right to change the curriculum from time to time which will be notified in the website.
- **Specialization-Elective Groups (Single Specialization):** Students can select only one elective group of their choice from the list. They can select at the time of admission or at the end of II semester. Once a group is selected it cannot be changed later. The students are offered three courses in their 3rd and 4th semester respectively from the selected elective group .



# A Rewarding Degree



# Enhancing Your Learning Experience

## Program Benefits

Unlock a Comprehensive Learning Journey Designed for Success in IT

### Key Advantages

Our online MCA program is designed to provide you with a flexible, technology-driven, and engaging learning experience.

From personalized mentorship to hands-on programming, industry-led projects, and masterclasses by IT experts, SRM University Sikkim's Online MCA program ensures that you are equipped to meet the demands of the ever-evolving IT industry.



### Flexi - learning

AI-driven personalized learning platform that adapts to your unique learning style.

### Masterclasses by Industry Experts

Learn from renowned IT professionals and tech leaders through live sessions and webinars.

### Experiential Learning

Practical learning delivered by academic experts, focusing on real-life IT challenges and projects..

### Industry-Oriented Curriculum

Courses curated by IT industry experts to ensure you are job-ready from day one.

### Mentorship Program 101

One-on-one guidance from industry experts and academic mentors to support your academic and career growth.

### Case-study Based Learning

Real-world technology case studies to build practical problem-solving and software development skills.

### Industry-Led Projects

Hands-on projects in collaboration with leading IT companies to gain real-world technology experience.

### Information Hub to Support Student Journey

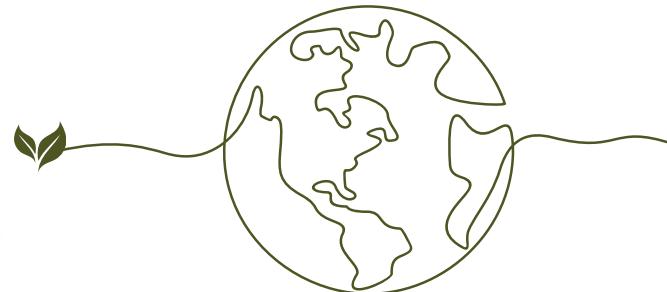
Comprehensive resources to assist you throughout your learning experience.



Empowering Your Career with World-Class Resources

# The SRM Advantage

Access Cutting-Edge Resources and Opportunities  
to Propel Your Career Forward



## World-Class Learning with Coursera

At SRM University Sikkim, we believe in empowering our students with additional learning opportunities. Through our partnership with Coursera, you get access to a vast library of 10,000+ online courses and professional certificates from renowned global universities and companies. This collaboration ensures that you are equipped with the most in-demand skills, enhancing your job prospects and career advancement.

- Unlimited Access to 10,000+ Courses:** Gain knowledge across a wide range of subjects from leading institutions and industry leaders.
- Job-Ready Certificate Programs:** Earn credentials recognized by employers worldwide, making you a competitive candidate in your field.
- Courses Taught by Industry Experts:** Learn from top professionals with real-world expertise.

## Comprehensive Career Services

SRM University Sikkim offers a robust Career Services program designed to support your professional journey from education to employment. Our dedicated team helps connect you with top employers, offers career guidance, and provides the tools you need to succeed in your career.

### Placement Drives:

Connect directly with top IT and software companies.

### Career Counseling:

Receive guidance tailored to roles in IT, such as software development, data analysis, or cybersecurity.

**Exclusive Job Boards:** Access job listings exclusively available to SRM students and alumni.

**Career Mentoring Sessions:** Participate in workshops focusing on enhancing your interview skills, resume building, and networking.

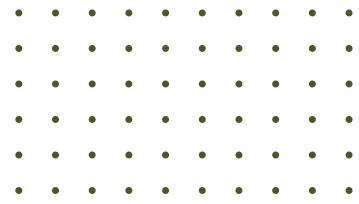
## Advanced IT Training Opportunities

Empower your learning with additional IT-focused certifications and skill-building courses to complement your MCA program.

# Your Pathway to a Rewarding Career

## Admissions

Join SRM University Sikkim's Online MCA Program in 3 Simple Steps



### Step 1: Application and Document Submission



Provide your personal details, educational background, and work experience (if applicable), and upload all required documents for review.

### Step 2: Pay the Program Fee



Pay the program fee for the first semester. Easy payment options are available.

### Step 3: Provisional Admission Letter and LMS Activation



After successful submission of application along with the payment and preliminary scrutiny, you will receive your LMS credentials via email to access the learning management system.

## Program Fee Structure



**Full Program Fee**  
₹ 1,00,000



**Fee Per Semester**  
₹ 25,000

**Application Form Fee**  
₹ 500 (non-refundable)

## Eligibility Criteria

- **Bachelor's Degree (Minimum of 3 Years)**, with at least 50% marks or equivalent CGPA for the General category (45% marks for candidates belonging to the SC/ST category)

**OR**

- **Any Graduation with Mathematics / Business Mathematics / Statistics** as one of the subjects at 10+2 Level or at Graduation Level (Additional bridge courses may be required as per university norm)

### Terms & Conditions:

Terms & Conditions as per guidelines set by University to be followed. Visit [onlinesrm.in/terms](http://onlinesrm.in/terms) for more details



Your Education, More Accessible

# Scholarships & Financial Support

Exclusive Scholarships to Support  
Your Academic Journey



## Flexible Payment Options:

Annual Fee Payment- Get 5% fee concession  
Full Program Fee Payment- Get 10% fee concession

Avail Zero-cost EMI  
starting at ₹ 4167\*

## Scholarships

Category	Scholarship	Eligibility / Documents
Defence Personnel	20%	Service Certificate/ ID Card Number
Alumni of SRM Group of Institutions/ Universities	20%	Diploma/UG/PG Marksheets/ Degree Certificate issued by SRM University Sikkim or any institution under the SRM Group
Candidates from Sikkim & Northeast Region	30%	Valid Address Proof

Scan the QR code to Start your application today!



All disputes related to university programs and activities are subject to the local jurisdiction of Sikkim. Terms and conditions, as per the guidelines set by the University, must be followed. For more details, visit [onlinesrm.in/t&c](http://onlinesrm.in/t&c).



## Alumni Network: A Global Community of Leaders

Group of SRM University/Institutions' alumni network is a vibrant and dynamic community that spans across industries, cultures, and geographies. With over 200,000+ successful alumni worldwide, our network includes business leaders, entrepreneurs, public servants, and professionals making a significant impact in their fields.



For Enquiries

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[www.onlinesrm.in](http://www.onlinesrm.in)

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Start your application today!**