



MASTER OF COMPUTER APPLICATIONS

USA, UK & CANADA ACCREDITATIONS

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MESSAGE FROM **CHAIRMAN**



Mr. Ajit Chauhan
Hon'ble Chairman,
Amity University Online,

I am delighted to extend a warm welcome to all of you who have chosen to embark on your educational journey at Amity University Online.

In today's fast-paced and interconnected world, the pursuit of knowledge has never been more accessible. Amity is committed to providing you with a world-class education that transcends geographical boundaries. Whether you are a working professional seeking to advance your career, a dedicated lifelong learner, or someone taking your first steps into higher education, our digital platform is designed to accommodate your needs and aspirations.

The modern landscape of higher education is evolving, and so are we. Our dedicated faculty members, staff, and state-of-the-art technology are here to support your educational journey. You'll find a wealth of resources at your disposal, from interactive online courses to digital libraries, forums for academic discourse, and innovative tools to facilitate your learning experience. As you embark on your studies, I encourage you to engage with your peers and faculty, ask questions, seek out challenges, and embrace the opportunities that this digital age offers.

Remember, your education is an investment in your future. Each lesson learned, each assignment completed, and each milestone achieved brings you closer to your goals. It is my hope that your time at Amity will not only equip you with knowledge and skills but also empower you to be a positive force in the world, contributing to the betterment of society.

I encourage you to seize this opportunity and make the most of your time here. Stay curious, stay engaged, and never stop striving for excellence. I wish you a successful and rewarding educational experience and look forward to celebrating your achievements in the years to come.

MESSAGE FROM

VICE CHANCELLOR



Prof. Dr. Balvinder Shukla

Vice Chancellor, Amity University Online

Amity University Online epitomizes an unwavering pursuit of excellence, cutting-edge innovation, and transformative learning. Rooted in knowledge, research, and comprehensive education, your learning journey at Amity Online is tailored to transcend knowledge barriers and shape your destiny.

At Amity Online, we embrace a legacy of brilliance that empowers you with industry-centric skills, knowledge and expertise to achieve success confidently through lifelong learning and values.

MESSAGE FROM

DIRECTOR



Prof. Abhinash Kumar

Director, Amity University Online

Amity University Online provides 'Anytime, Anywhere' educational experience, intensive corporate interaction, industry-oriented teaching delivered by eminent corporate experts and world-class faculty.

Designed to suit both graduate students and working professionals, our programs adhere to UGC's stringent criteria and we are at par with the campus programs.

ABOUT AMITY UNIVERSITY

ONLINE

Bringing together pedagogy, content and technology, Amity University Online is home to a range of University Grants Commission (UGC) entitled programs meant for anytime, anywhere learning. Amity University Online serves the educational aspirations of students across the globe with Master's, Bachelor's, Post Graduate Certificates and Certificate programs through its well-researched curriculum, renowned faculty, cutting-edge technology and close industry-academic partnerships.

Amity University Online is devoted to creating a transformative learning environment. In today's environment, when content is mobile and available anytime, anywhere, learning is truly a click away.

A LEADING GLOBAL EDUCATION GROUP

Amity Education Group is one of the largest education groups, established over twenty years ago, offering globally benchmarked education right from pre-school to Ph.D. level with over 400 UG & PG programs across various disciplines in education.



175,000

Students



225,000

Online Students



6,000+

Faculty



120,000

Alumni Worldwide



1,200

Acres of Campuses

UNIVERSITIES IN

- NOIDA
- GURUGRAM
- GREATER NOIDA
- JAIPUR
- MOHALI
- LUCKNOW
- MUMBAI
- GWALIOR
- RAIPUR
- KOLKATA
- RANCHI
- PATNA

INTERNATIONAL CAMPUSES IN

- LONDON
- DUBAI
- SINGAPORE
- NEW YORK
- SAN FRANCISCO
- ABU DHABI
- MAURITIUS
- SHARJAH
- SOUTH AFRICA
- AMSTERDAM
- NAIROBI
- TASHKENT

MCA

ABOUT PROGRAM

MASTER OF COMPUTER APPLICATIONS

LEARNING EFFORTS: 12/15 HRS A WEEK

DURATION: 2 YEARS | **CREDITS:** 103

Amity University Online Master of Computer Applications (MCA) is a 2-year degree Program that aims to equip graduates with the advanced tools, technologies and applications in the IT industry to meet the constantly growing requirement of IT professionals.

The industry-oriented Program helps learners to develop a thorough understanding of various tools and programming languages in the development of better and faster applications.

SPECIALISATIONS

- MCA with Specialisation in Blockchain (In collaboration with eCornell)
- MCA with Specialisation in ML & AI (In collaboration with eCornell)
- MCA with Specialisation in Machine Learning (In collaboration with TCS iON)
- MCA with Specialisation in AR & VR (In collaboration with TCS iON)



PROGRAM

CURRICULUM

SEMESTER 1

SUBJECT NAME

- Advanced Database Management Systems
- Advanced Software Engineering Principles
- Professional Communication
- Core Java
- Graph Theory and Combinatorics

COURSE TYPE

- Core Courses
- Core Courses
- VAC
- Core Courses
- Core Courses

SEMESTER 2

- Research Methodology
- Data Structures and Algorithm Design
- Network Security and Cryptography
- Introduction to Data Analytics
- Image Processing Techniques
- Artificial Intelligence and Robotics
- Routing & Switching Essentials
- Statistics Using R
- Cognitive Analytics & Social skills for professional

- Core Courses
- Core Courses
- Core Courses
- Specialisation Elective Courses
- Specialisation Elective Courses
- Specialisation Elective Courses
- Specialisation Elective Courses
- Specialisation Elective Courses
- VAC

SEMESTER 3

- Cloud Infrastructure and Services
- UNIX / Linux Programming
- Advanced Web Technologies
- Internet of Everything
- Machine Learning using Python
- Software Testing and Reliability Duplicate
- Professional ethics
- Seminar(Evaluation)
- Quantitative Aptitude

- Core Courses
- Core Courses
- Specialisation Elective Courses
- Specialisation Elective Courses
- Specialisation Elective Courses
- Specialisation Elective Courses
- VAC
- NTCC
- Employability & Skill Enhancement

SEMESTER 4

- Major Project

- NTCC

SEMESTER 1
SEMESTER 2
SEMESTER 3
SEMESTER 4

PROGRAM FACULTY



Prof. (Dr.) Ronald C Darnell
Ph.D, Organization Management - IT Management,
Capella University, USA,
Professor and program Coordinator -
Amberton University,
Visiting Professor- Devry, University,
Professor - Parker University,
Principal Consultant & Agile Coach- Vizient, Inc.



Ms. Alka Choudhary
Ph.D Computer Science
and Engineering



Prof. Deepak Kumar
Ph.D Software Reliability
University of Delhi



Prof. Sapna Sinha
Ph.D Computer Science

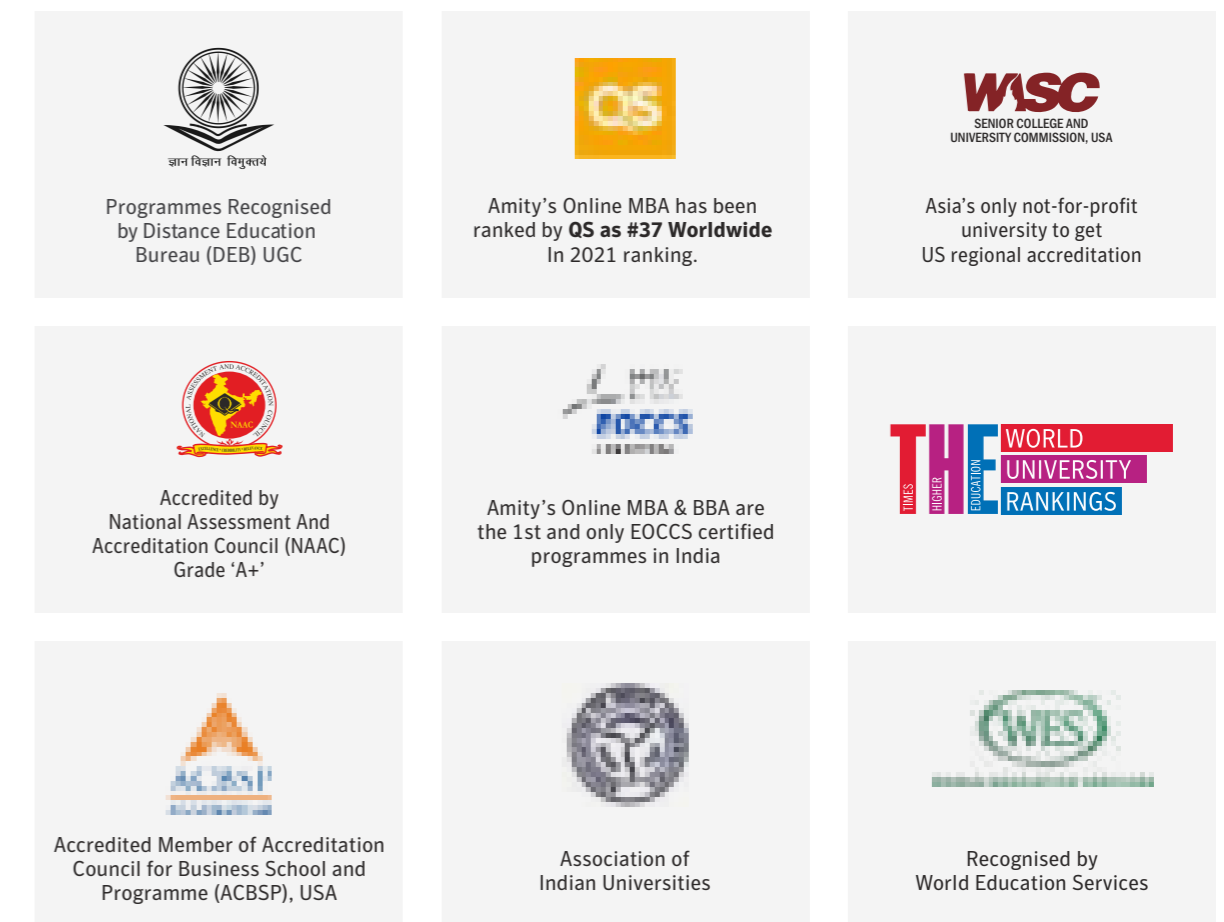


Asst. Prof. Anil Kumar Sajnani
M.Tech Computer Science
Birla Institute of Technology

ELIGIBILITY

- 10th Class Certificate (Completing 10 years of formal schooling)
 - 12th Class Certificate (Completing 12 years of formal schooling)
 - Graduation Degree (BCA is preferable)*
- * Students without Mathematics at 10+2 or graduation, can also apply after qualifying the Bridge course.

ACCREDITED. RESPECTED. TRUSTED.



TESTIMONIAL

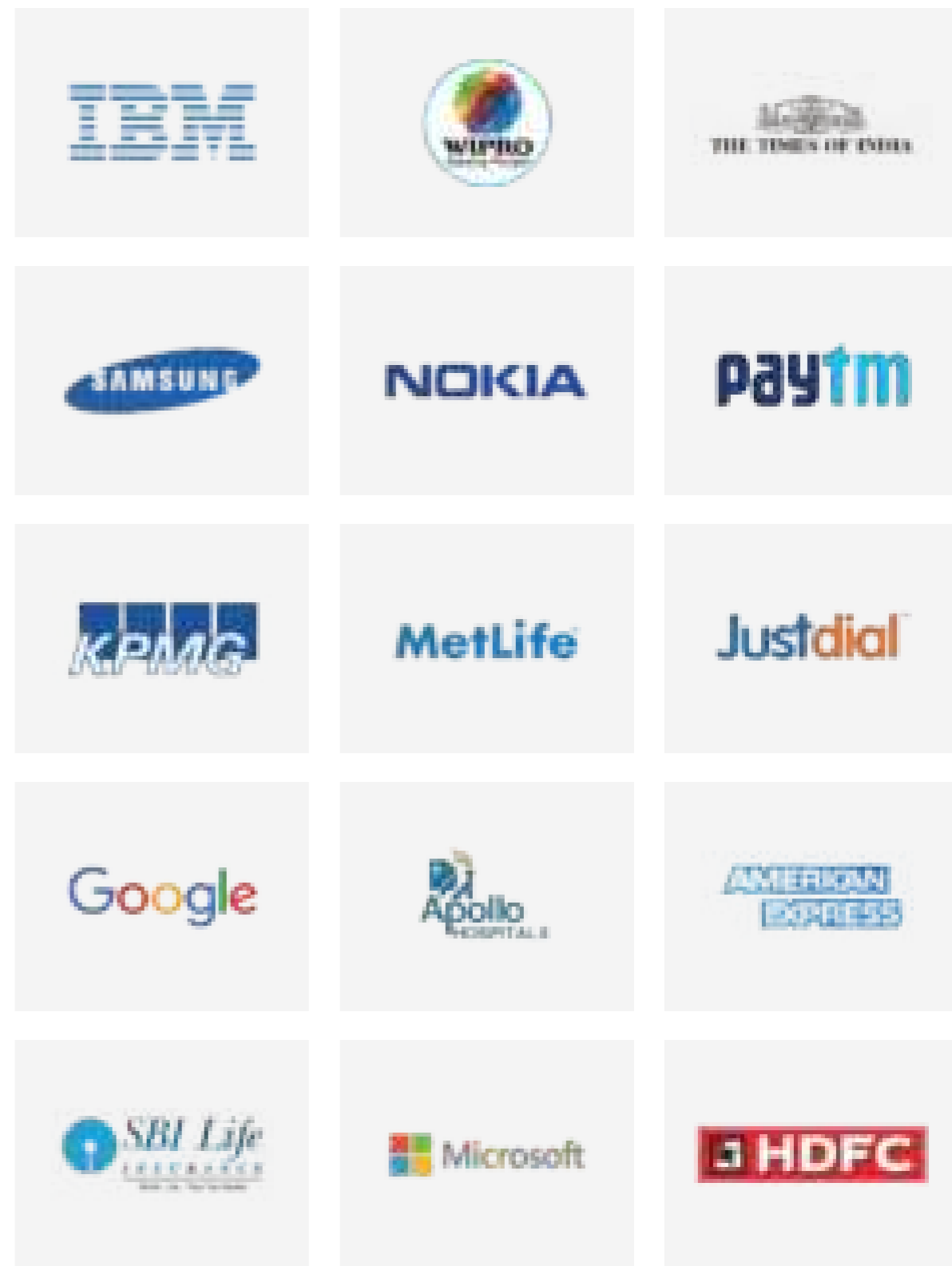
“I joined Amity University in the year 2010 to pursue the BCA Program. Based on my great learning experience, I decided to pursue an MCA program at the same college, even though I scored the top rank in the merit list and was qualified to get admissions in other government colleges also. I am proud to say that I made the right decision.”

Ashok Kumar Sharma
Automatic Engineer at Desment Ballsera

AMITY UNIVERSITY ONLINE ADVANTAGES

-  Live & interactive lectures by expert faculty
-  Web Proctored Mode for the freedom to take exams anywhere
-  World-class curriculum designed by eminent faculty & industry professionals
-  Learn from the leading global faculty
-  Regular webinars by industry leaders
-  Placement drive and career assistance
-  International collaborations with Ivy League universities
-  Easy-to-use LMS accessible anytime, anywhere
-  Strong alumni network
-  Exemplary employer rating of various programs

ALUMNI WORKING AT





AMITY
UNIVERSITY
ONLINE