

# MCA WITH SPECIALISATION IN MACHINE LEARNING

INDUSTRY-ENDORSED PROGRAM



Remote Internships &  
Placement Assistance

Global Accreditations

Global Faculty

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# MESSAGE FROM KEY LEADERS



This is the age of knowledge. And anyone who says "I do not know" at this age, will risk being labelled "outdated".

We at Amity Online Family have pledged to ensure no one faces that dilemma. That's why you will find Amity University Online going to the depths, the widths, the lengths to ensure we serve as many humans as possible.

Choices decide the fruits of your life. Taking up online programs with AUO is a wise decision to widen your opportunities to succeed.

**Dr. Priya Mary Mathew**  
Director, Academics



In the age of Industry 4.0, employability is a factor of attitude along with the knowledge and skills of learners.

Courses that are created with Industry participation to enhance in-demand skills in students is going to be a gamechanger for the entire Higher education landscape in India. It will also give wings to students to achieve their dream careers.

**Krishnan CA**  
Business Unit Head, Higher Education, TCS iON



Amity University Online provides 'Anytime, Anywhere' education 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.

**Prof. Abhinash Kumar**  
Director

# ABOUT AMITY UNIVERSITY ONLINE

Amity University Online is devoted to creating a transformative learning environment, a digital classroom with true mobility and access to education from anywhere; inheriting Amity's vision of building the nation through education. Amity University Online is India's first university entitled by UGC to offer Master's, Bachelor's, Post Graduate Certificates and Certificate programs. These career-oriented programs are specially designed for working professionals offering futuristic learning experiences on our awarded LMS, along with face-to-face interactions, live sessions, webinars, video lectures & one-to-one session with faculty, designed and delivered by over 6000 eminent corporate experts and faculty.



UGC  
ENTITLED



India's only online MBA  
to be ranked globally  
in 2022 by QS



## USA, UK & CANADA ACCREDITATIONS



# ABOUT TCS iON

TCS iON, a strategic business unit of Tata Consultancy Services, is focused on enabling productive outcomes for educational institutions, government departments, organizations from multiple industry sectors and individual learners with the use of 'Phygital' platforms. These are the platforms that overlay digital technologies over physical assets. TCS iON delivers this with a unique IT-as-a-Service model that provides easy-to-use, secured, integrated, and hosted solutions in a build-as-you-grow and pay-as-you-use business model. TCS iON serves its clients with the help of best practices gained through TCS' global experience, domestic market reach, skills and delivery capabilities.

## Enter your dream company with TCS NQT

NQT is endorsed by 650+ top IT and non IT corporates in India including TCS. Successful learners from the above tests would be given access to jobs from pan-India corporates through TCS iON Job Portal. All eligible learners would be appearing in TCS iON National Qualifier Test (NQT) – Cognitive & Subject tests.

Learners are requested to note that NQT will be applicable for the students of MCA in semester 3.

### Some of the companies part of 650+ corporates

birlasoft



publicis  
sapient



Allianz

EQUIFAX



ADP



sitel



# ABOUT THE PROGRAM

## MCA (Machine Learning)

This specialisation track on Artificial Intelligence covers end-to-end in-depth industry ready knowledge on different domains and technologies of Artificial Intelligence, Machine Learning, Deep Learning, etc. The track augments the specialisation with the addition of trending courses like social media and text analytics.



# TESTIMONIAL

“ Amity is one of the best universities to pursue an IT degree. Altogether, it has been a hassle-free experience, taking exams from my choice of place. The student support team helped me throughout the entire course. I am grateful I chose this online degree. ”

**Rohit Shaw**

# COURSE CURRICULUM

## Semester I

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

## Semester II

Research Methodology	Core Courses
Network Security and Cryptography	Core Courses
Cognitive Analytics & Social Skills for Professionals	VAC
Artificial Intelligence for Real World Application	Specialisation Course
Machine Learning for Real World Application	Specialisation Course

## Semester III

Cloud Infrastructure and Services	Core Courses
UNIX / Linux Programming	Core Courses
Professional Ethics	VAC
Quantitative Aptitude	
Seminar (Evaluation)	
Deep Learning & Neural Network	Specialisation Course
Social Media & Text Analytics	Specialisation Course

## Semester IV

Major Project	Core Courses
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# PLACEMENTS & INTERNSHIP OPPORTUNITIES

Amity University, in collaboration with leading brand TCS iON, strives to make learners capable and excel in the real world. At Amity, we focus on providing the students with the best possible opportunities based on their performance and interest. These career opportunities are inclined to make students eligible for the most prominent corporates with appropriate salaries and designations.

## Career Services for the students

- Personality Development Program
- Communication Skills Program
- Mock Interview Workshop
- Resume Building Workshop
- Industry Internship Programs

## 100% Placement Assistance:

- Placement opportunities will be open to all eligible learners from the IHP subject/courses. They would be appearing in TCS iON National Qualifier Test (NQT) – Cognitive & Subject tests.
- In addition, Amity University Online will also provide placement support to all its online learners through regular on campus & virtual placement drives

## Assured Internship Opportunities

### For MCA

The remote internship is provided to all the enroled students once during the program after semester III for 45 days.

**Note:** The process and criteria of selection will vary across corporates as per their HR policies and depending on the internship opportunity.

## Key Differentiators



Job visibility from pan-India corporates through TCS iON Job listing platform



Hands-on experience through Industry Assignments created by Industry experts



Industry endorsed National Qualifier Test (NQT) from TCS iON, embedded in the program



Get hired by one of the top 650+ IT and non-IT corporates



75K+ job opportunities across 23+ industries, 120+ job roles on TCS iON Job listing platform



Average salary\*  
Rs. 8 LPA ( e.g. Machine Learning Engineer)

\*Data stats taken from internal & external sources. Nobody or institute shall be held responsible for any data related incongruence or disagreement.

# ACADEMIC FACULTY



## Mr. Ashish Gilotra

He has completed his ME from  
BITS Pilani and has 20+ Years of Experience in Machine Learning



## Mr. Naveen Bhansali

Advisory Consultant - Data Science/Machine  
Learning/Artificial Intelligence, He is Data Analyst  
at Dell EMC and an alumnus of IIM-Bangalore.



## Dr. Sakshi Babbar

She has 14 years of experience in Education and has worked  
on projects like Predicting Water Quality Index of Yamuna River.



## Dr. Mohit Kumar Goel

He has completed his PhD from École polytechnique fédérale  
de Lausanne and B.Tech from Indian Institute of Technology, Kharagpur.

# INDUSTRY SUBJECT MATTER EXPERTS



**Tapan Dey**  
Assistant Consultant  
Tata Consultancy Services



**Sandip Das**  
Manager, TCS Business Analytics (CMI & TechBU)  
Tata Consultancy Services



**Shailendra Langade**  
Chief Architect  
Tata Consultancy Services



**Dr. Sitarama Brahmam Gunturi**  
Head, SPD CoE  
Tata Consultancy Services



**Abhinav Mishra**  
ITA/Senior Data Scientist  
Tata Consultancy Services

# LEARNING PEDAGOGY

## Digital learning resources

The content will be available in formats such as videos, ebooks as applicable.

### 15 Digital Lectures per subject in a semester

- Delivered by academician(s) and industry expert(s) in a webcast or webinar format, spread across the entire duration of the course.
- The schedule will be published by TCS iON in advance.

### Online forums (or communities) for enhancing collaborations with the SMEs

- Academic Connect community
- Industry Connect community
- Discussion Room

These are accessible for students from any device.

# ELIGIBILITY

## For Students with Indian Education

- 10th Class Certificate (completing 10 years of formal schooling)
- 12th Class Certificate (completing 12 years of formal schooling)
- Graduation degree

## For Students with Foreign Education

- O level Certificate (completing 10 years of formal schooling. Diploma will not be acceptable)
- A level Certificate (completing 12 years of formal schooling. Diploma will not be acceptable)
- Certificate of Equivalence from Association of Indian Universities (required by any student with foreign education to apply in any University in INDIA, refer to <https://www.aiu.ac.in/>)



[www.amityonline.com](http://www.amityonline.com)