

Get an  
**Online** certified  
**Degree in MCA**  
Specialization: Artificial Intelligence



**AMRITA** | Online  
VISHWA VIDYAPEETHAM

# ***Mission***

To provide value-based education and mould the character of the younger generation through a system of wholesome learning, so that their earnest endeavor to achieve progress and prosperity in life is matched by an ardent desire to extend selfless service to society, one complementing the other.

# ***Vision***

We envision a world endowed with the wealth of knowledge and strength of discrimination (Viveka). We envision a system, which is a healthy breeding ground for the sprouting, culturing and dissemination of the whole gamut of knowledge in a wholesome and holistic manner for the well-being of mankind. We envision a human being empowered with wholesome knowledge, which makes him an enabler and facilitator in the deep search and striving of every human being for that knowledge. We envision a system where in there is a great interplay and exchange of ideas, thoughts, feelings and actions which develop people empowered with noble character, and wholesome value. They go out in to the fields of action to build a world of love, harmony, peace and knowledge. They follow the path of Dharma and give a clear direction in every thought and human behaviour.



## Our Chancellor



Sri Mata Amritanandamayi Devi

*There are two types of Education*  
**Education  
for Living.**  
**Education  
for Life.**

*“Studying is a process, like the bud unfolding into the beautiful  
fragrance spreading flower. Understanding this, we  
should approach our topic of study with love and patience. Knowledge is  
like a river. Its nature is to constantly flow. Wherever it can flow, it does so,  
nourishing culture. On the other hand, the same knowledge,  
if devoid of values becomes a source of destruction for the world.  
When values and knowledge become one, there can be no more  
powerful instrument for the welfare of humankind. There are two  
types of education: education for a living and education for life.  
When we study in college, striving to become a doctor, a lawyer, or an  
engineer, that is education for a living. But education for life requires a  
deeper understanding of the world, our minds, our emotions and ourselves.  
Amrita University provides education for life which is  
much more than education just for living.”*

No.1 **THE** IMPACT RANKINGS 2024  
IN INDIA

No.1 **QS** WORLD UNIVERSITY RANKINGS 2020  
IN INDIA INTERNATIONAL OUTLOOK

**nirf** 7<sup>TH</sup> RANKED 2024  
GOVT. OF INDIA UNIVERSITY IN INDIA

 **Institution of Eminence**  
Recommended by  
University Grants Commission

 **NAAC A++**  
ACCREDITED

*University Rankings*





# *Amrita Vishwa Vidyapeetham at a Glance*

Amrita Vishwa Vidyapeetham is a multi-campus, multi-disciplinary research academia that is accredited 'A' by NAAC and is ranked as one of the best research institutions in India. Amrita is spread across six campuses in three states of India - Kerala, Tamil Nadu and Karnataka, with the headquarters at Ettimadai, Coimbatore, Tamil Nadu. Amrita Vishwa Vidyapeetham continuously collaborates with top US universities including Ivy league universities and top European universities for regular student exchange programs, and has emerged as one of the fastest growing institutions of higher learning in India.

*“Amrita Vishwa Vidyapeetham has a major role to play in transforming our society into a knowledge society through its unique value-added education system.”*

**Dr. A.P.J. Abdul Kalam**

Former President of India

*“This is not just another academy, but very high quality, world-class institution, focusing on technology research, dealing with very concrete issues which have immediate applications.”*

**Prof. Muhammad Yunus**

Nobel Laureate

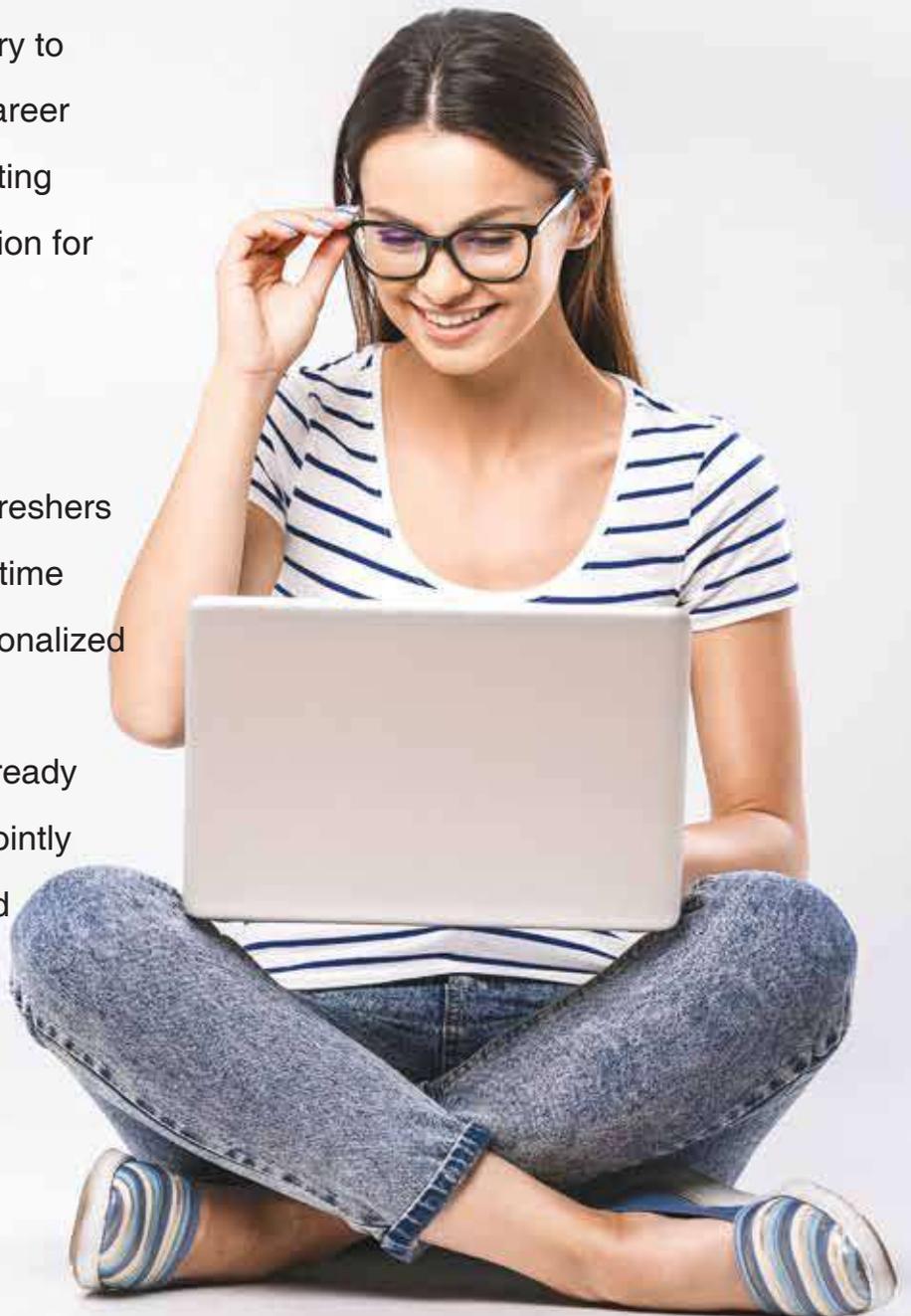
*“What makes Amrita students special? Western science leads to knowledge. Eastern science leads to understanding. Amrita has both Western and Eastern traditions in education.”*

**Dr. Lee Hartwell**

Nobel Laureate

# About Amrita» Online

Amrita Online's Online Degree programs focus on an all-rounded individualized learning trajectory to enhance and diversify one's career growth pathways while integrating Amrita's philosophy of 'Education for Life and Education for Living'. Innovative and award-winning pedagogic practices provide experiential learning allowing freshers and working professionals anytime access and flexibility with personalized mentorship and interactivity. Our AICTE recognized future-ready degree programs are offered jointly with Industry stalwarts, reputed national and international faculty that equip and expose students to address real-life applications.



# *Online* *Our* **MCA AI**

## Specialization: Artificial Intelligence

Our online Masters in Computer Application with a focus on Artificial Intelligence is a 2-year postgraduate online MCA programme with a specialization in Artificial Intelligence. The program is designed to groom technically sound professionals in advanced learning systems & methodologies based on the algorithms of Artificial Intelligence.

This programme is hands-on and follows an industry mentored curriculum which equips its students with applicable knowledge in cutting edge technologies.



*How to earn a degree on*  
**Amrita»**  
**Online**

## Choose a Degree

Choose a degree ranging from Undergrad to Master's programs.



## Learn Anytime Anywhere

Earn credits towards your degree wherever you are- you just need a smartphone, tablet or computer and access to the internet

## Ace the Assessments

Complete online assignments to get feedback and demonstrate your understanding.



## Earn your degree

Complete the requirements and gain an internationally recognised qualification.

# Course Duration»

Limits	No. of years
Minimum	2
Maximum	4



# Curriculum»

## Semester 1 MCA AI

Foundations of Computer Systems

Mathematical Foundations for Computer Applications

Essentials of Cybersecurity

Elective I

Elective II

Elective III

## Semester 2 MCA AI

Data Structures and Algorithms

Mathematics Elective

Cloud Computing

Elective IV

Elective V

Elective VI



# Industry relevant Electives

(Training to earn Google certification and badges)

## Industry Certification Training

- > IBM Practitioner
- > Amrita Online is currently offering courses from Coursera and SWAYAM - NPTEL.

## Other Industry-relevant Electives

- > Foundations of Machine Learning
- > Natural Language Processing
- > Business Analytics and Visualization
- > Deep Learning for AI
- > Computer Vision
- > Complex Network Analysis
- > Data Engineering for AI
- > Reinforcement Learning
- > IoT for AI
- > Artificial Intelligence
- > Artificial Intelligence for Robotics
- > No-SQL Databases
- > Applications of Machine Learning
- > Web Analytics
- > Computational Statistics
- > AI for Drug Discovery and Target Validation
- > Representation Learning
- > Medical Signal Processing
- > Applied Predictive Analytics
- > Data Visualization

## Industry-relevant tools

Courses offer hands-on sessions using industry relevant Artificial Intelligence and Data Science Python packages such as SciPy, Scikit-Learn, sympy, matplotlib, NLTK, BERT. Hands-on sessions integrated into courses include Tensor flow, Tableau, Keras, Anaconda, RDBMS: SQL; Apache Spark ; SPARKQL; SPARKML, PySpark and complex networks tools like Gephi/NetworkX.

## Industry-ready training

Interact with International (Germany, USA) and National Artificial Intelligence specialists on course modules and Industry-led projects with 50+ case studies.

## Mentored industry-relevant projects (Final Semester)

In areas of Machine Learning, NLP, Computer Vision, Deep Learning, Cloud Computing & Distributed Computing, Block chain, IoT.

## Online Practical Virtual Labs

From Google, CISCO Academy, and Amrita.



# Online Class Schedule»

**Live Sessions - 1 hour per week per course**

**Reading material & video lectures**

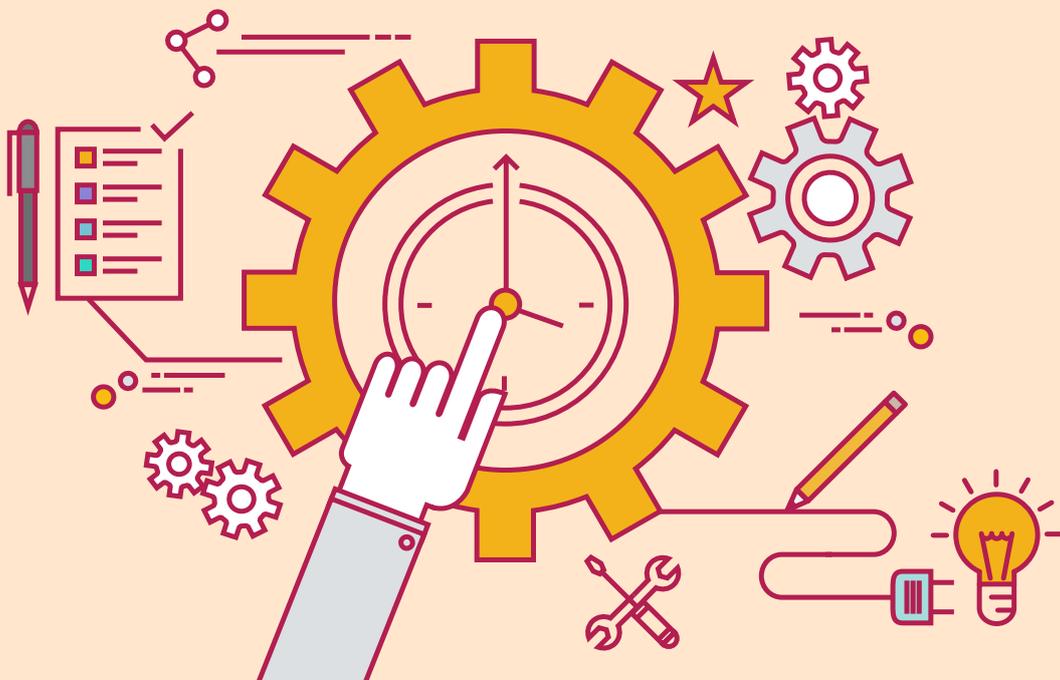
Uploaded every week prior to the live session

**Discussion forums**

Active for 2 hours on weekly basis for every course

**Quizzes & assignments**

Once a week, every week



Our structure will enable students to clarify their doubts and solve the questions/assignments in a timely manner. Approximately 15 weeks of e-content is prepared inclusive of exams.

# *Each course will be in 4 quadrants, fully following the UGC guidelines*

**1) Quadrant I** - E-Tutorial which contains: Video and Audio Content in Animation, Virtual Labs, etc, along with the transcription of the video.

**2) Quadrant II** - E-Content which contain: Self-instructional material (digital Self Learning Material), e-Books, case studies, presentations etc. and also contains Web Resources such as further references, Related Links etc.

**3) Quadrant III** - The Discussion forum for raising of doubts and clarifying the same by the Course Coordinator.

**4) Quadrant IV** - Assessment, which contains: Problems and their Solutions. They can be in the form of Multiple Choice Questions, Fill in the blanks, Matching Questions, Short Answer Questions, Long Answer Questions, Quizzes, Assignments and Solutions.

# Job Roles



Artificial Intelligence /  
Machine Learning  
Developer



Software Developer



Data Analyst



AWS or Azure  
Data Scientist



Business  
Intelligence Developer



Deep Learning  
Engineer



Sr. Data Science  
Software Engineer



Data Architect



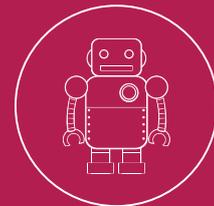
Quantitative Analyst



Operations Analyst



Big Data Engineer



Robotics Engineer



Computer Vision Engineer

## *Ambassadors of Social Good*

Ample opportunities to get involved with our social organisation across India help students develop a sharp mindset to create impact first and then deliver on shareholder return. It's not surprising to find our alumni at an organisation such as the World Bank and the United Nations which is partnered with our in house think tank - Ayudh.



(<https://www.ayudh.in>)

## *Impact Entrepreneurship*

Students also have the opportunity to bring fruition to their ideas with our in-house business incubator - Amrita TBI. Amrita TBI is a non-profit startup incubator supported by Govt. of India and Amrita Vishwa Vidyapeetham that funds, mentors and nurtures ideas, startups and entrepreneurs. National Award winner for being the best startup incubator in India.



(<https://www.amritatbi.com>)



## Placements\*



## Industry Partners



Confederation of  
Indian Industry



Academy



## International University Partners

Go Global with our International Programs: Student Exchange program, Study Abroad Program and 3+1+ x Integrated Masters Program



\*Data is based on on-campus information

# The Amrita Advantage



AICTE  
Approved



World-Class  
Faculty



Industry Aligned  
Curriculum



Career Placement  
Assistance



7<sup>th</sup> Best  
University in  
India



20000+ Students  
(Offline)



1650+  
Faculty



27 Collaborations with  
Top World-Ranked Universities



16 Constituent  
Schools



Strong Alumni  
Network



Affordable



Dedicated Course  
Mentors



Industry 4.0 aligned  
curriculum designed  
to equip yourself to succeed in  
the AI-Powered future



Master the most advanced  
tools, techniques,  
algorithms reshaping  
the digital landscape



Job Relevant  
Industry Certifications  
from CISCO,  
Amazon, EC Council, IBM



Wide range of electives  
in areas of IoT,  
Cyber-physical Systems,  
Cloud computing,  
Cognitive Computing



50+ industrial case  
studies &  
10+ mini projects



Opportunity to  
work in research centers  
on industry projects

# Eligibility »

## Students with Indian Education:

Direct admissions for learners with a minimum of 50% marks in UG degree.

- > Candidates must have passed 10 + 2
- > Candidate must have completed any undergraduate degree with Mathematics at 10 + 2 level or at graduation level
- > Students in their final year can apply with the last completed semester results

Candidates with work experience will have an added advantage for admissions.



## ***Fee Structure\****

<b>Semester</b>	<b>Amount</b>
<b>Semester 1</b>	<b>Rs 45000</b>
<b>Semester 2</b>	<b>Rs 50000</b>
<b>Semester 3</b>	<b>Rs 50000</b>
<b>Semester 4</b>	<b>Rs 50000</b>
<b>Total**</b>	<b>Rs 195000</b>

\* Registration fee : Rs. 500/-

\* Examination fee: Rs. 2500/- per semester

\* If you are a foreign national, please email ahead@amrita.edu

Monthly Instalment  
(6 Months)

Rs. 7917

**%**  
**ZERO COST**  
**EMI**

\*Terms & Conditions apply



# Amrita Online Scholarships

Categories	Eligible for	Scholarships*
Defence Personnel	All in service or retired	20%
Martyr's	Wards of Martyred soldiers	20%
Sports	Sports listed under IOC, IOA, AIU, MYAS	25% to 100%
Divyang	Differently-abled	20%
Amrita Vidyalayam	Selection process	20%
Amrita Alumini	CGPA: above 6 / above 7.5	10% / 20%
Amrita Talent Hunt	National/International events recognized by the Board	20%

\*Scholarships will be approved and then reviewed on a regular basis.

# *Student Testimonials*



“ Experience with Amrita Online’s Online MCA AI is outstanding. Teachers are very experienced and humble. They understand student’s problems and work accordingly. Teachers work round the clock for our assistance and give quality materials and teaching. The course curriculum is outstanding. Suitable for skilling up.”

**Shivam Gupta**  
Online MCA AI



“ Amrita Online, offers not just a course, but a full-fledged Master’s Degree that would not only help me get in, but also stand out from the rest. The Program is entirely Online, making it accessible from anywhere, which was much needed after Covid 19. There are live interactive sessions with subject teachers at regular intervals, making it easier to clear our doubts if any. I recommend this course to anyone interested in the cyberspace.”

**Priye Rana**  
Online MCA Cybersecurity



“ My Experience of online MCA at Amrita Online has been tremendous till now. Here I have learned lots of things and have developed my skills. The teaching style also is unique. They provide live doubt-clearing classes, which increase confidence. The best part of this Online Program is that I can study from anywhere & anytime. We get enough assistance as I can connect with them through discussion forums as well as message apps. Also, the support team is there to resolve any technical issues.”

**Pankaj**  
Online MCA



080-651-31430



+919447498840



ahead@amrita.edu



<https://www.onlineamrita.com/>



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