Get an

Online certified Degree in MCA

Specialization: Artificial Intelligence

AMRITA VISHWA VIDYAPEETHAM | AHEAD Online

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 IN INDIA THE IMPACT RANKINGS 2021

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

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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» Ahead

Amrita Ahead's Online Degree programs focuses 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» Ahead

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

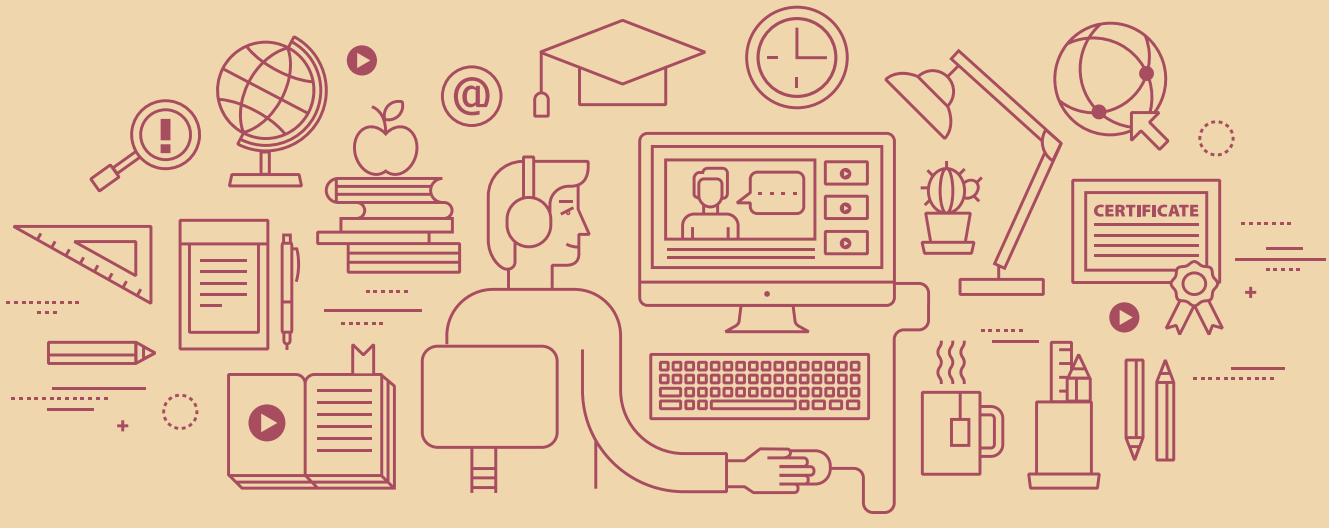
- Data Structures and Algorithms
- Mathematics Elective
- Cloud Computing
- Elective IV
- Elective V
- Elective VI

Semester 3
MCA AI

- Software Project Management
- Research Methodology
- Elective VII
- Elective VIII
- Elective IX
- Elective X
- Minor Project

Semester 4
MCA AI

- Project
- Elective XI



Industry relevant Electives

(Training to earn Amazon certification and badges)

Industry Certification Training

> IBM Practitioner

> Amrita Ahead 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

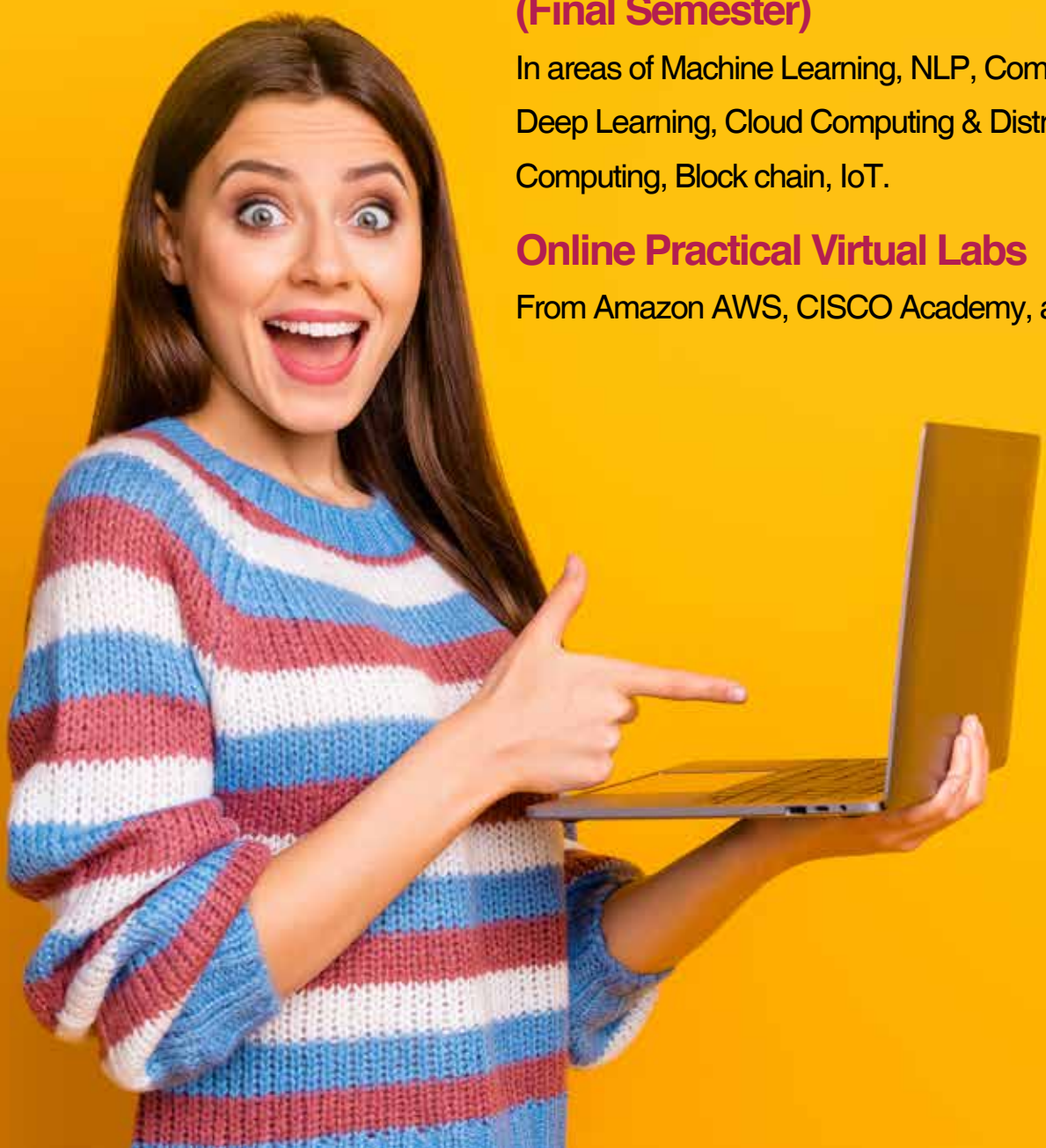
Interact with International (Germany, USA) and National Artificial Intelligence specialists on course modules and Industry-led projects with 50+ case studies.

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 Amazon AWS, CISCO Academy, and Amrita.



Online Class Schedule»

Live Sessions - 1 hour per week per course

Reading material & video lectures

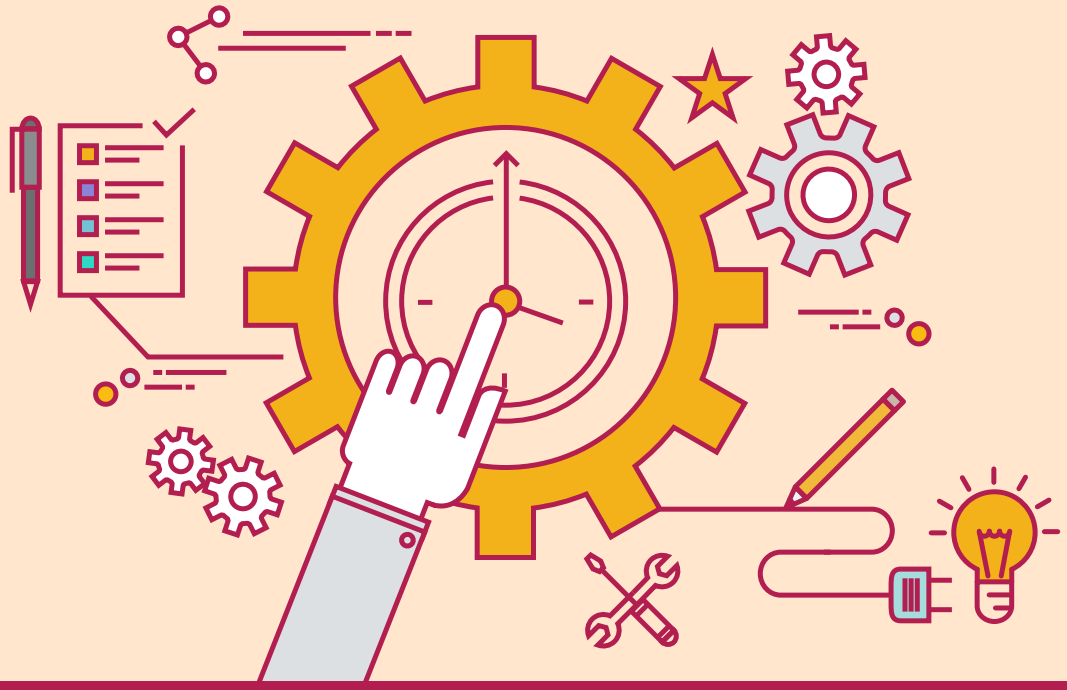
Uploaded every week prior to the live session

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

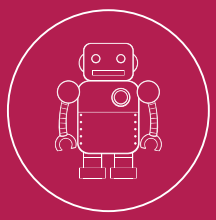
Sr. Data Science Software Engineer

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.

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.

amrita tbi ...Together let us soar! (https://www.amritatbi.com)

Placements*

Industry Partners

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

5^{h} 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. Learners below 50% marks will be also considered for admissions following a short interview.

- 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*

Semester	Amount
Semester 1	Rs 45000
Semester 2	Rs 50000
Semester 3	Rs 50000
Semester 4	Rs 50000
Total**	Rs 195000

* Examination fee: Rs. 2000 per semester
* If you are a foreign national, please email ahead@amrita.edu

Zero Cost EMI Options available

Monthly Instalment (6 Months)	Rs. 7500

Amrita AHEAD Scholarships

Categories	Eligible for	Scholarships*
Merit	UG: Above 60% in 12th or equivalent	10%
	PG: Above 6.0 CGPA or equivalent at UG level	
	Enrolled AHEAD UG/PG: Above 7.5 CGPA	
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

“The faculties are always ahead of the technology trends. Their guidance during my studies made me so confident in choosing the right technology on my entrepreneurial journey. My alma mater also allowed me to interact with many industry veterans, CEOs, and experts through their industry connect programs.”

Gokuldas G
Founder, Voteran Political Social Network &
Good Afternoon Lunch

"I owe a lot to Amrita faculties for my technological knowledge and problem-solving skills. They have a profound understanding of what they teach, and how it should be implemented in real-life scenarios. The projects we worked on at Amrita were on deep real-life issues impacting many people.”

Vijitha V
Founder, Comet Chat Radio

"Amrita has all the resources for a student to succeed in life. The value-based education delivered here changed my perspective on education and life. The learning methodology practised here prepares students to ace their career."

Arjun V
Backend developer (Python-Django),
Orange & Lemons, Amsterdam

"The facilities and opportunities along with first-class education that you get from Amrita can help you achieve your career goals. The faculty's extensive research experience in the areas they teach helps students to understand the practical aspects. The teaching-learning process makes students job-ready before the course completion."

P S Narayanan
Phone Parloan

Data is based on on-campus Information

04954266666

94474 98840

ahead@amrita.edu

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