

Get an **Online** certified **Degree in MCA**

Specialization: **Cyber Security & Artificial Intelligence**



AMRITA
VISHWA VIDYAPEETHAM

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 **THE** **IMPACT**
IN INDIA **RANKINGS** **2024**

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

nirf **8TH RANKED**
GOVT. OF INDIA **UNIVERSITY IN INDIA** **2025**



Institution of Eminence
Recommended by
University Grants Commission



NAAC A++
ACCREDITED

University Rankings



Times Higher Education
Impact Rankings 2025



AMRITA
VISHWA VIDYAPEETHAM

Ranked
**AMONG TOP 50
IN THE WORLD**

1st
**IN
INDIA**





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 ten campuses in six states of India – Kerala, Tamil Nadu, Karnataka, Uttarakhand and Andhra Pradesh 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'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 UGC 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»

Specialization: **Cyber Security & Artificial Intelligence**

Our online Masters in Computer Application with a focus on Cyber Security and Artificial Intelligence is India's first Cyber Security and Artificial Intelligence program designed to help you take up Technical, Managerial, and Administrative roles in Industry, Government, NGOs, Public and Private Sector companies. This is a future proof program that will provide expertise for both technical and managerial jobs in Cyber Security and Artificial Intelligence. This program aligns with NASSCOM's National Occupational Standards and the Data Security Council of India's Cyber Security Skills. A unique curriculum and certifications are tailored to build proficiency in both defensive and offensive skill sets.



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 Cyber Security & Artificial Intelligence

Foundations of Computer Systems

Mathematical Foundations for Computer Applications

Object Oriented Programming using Java

Stream Core 1 : Python Scripting for Modern Stack: Security, Automation & AI

Stream Core 2 : Fundamentals of Security Operations

Semester 2

MCA Cyber Security & Artificial Intelligence

Data Structures and Algorithms

Soft Skills

Mathematical Foundations for Cryptography

Stream Core 3 : ML and AI in Cybersecurity

Stream Core 4 : Advanced Network Security

MCA Cyber Security Elective I

Semester 3

MCA Cyber Security & Artificial Intelligence

Software Project Management

Research Methodology

Stream Core 5 : Deep Learning for AI

Stream Core 6 : Cyber Forensics

MCA Cyber Security & Artificial Intelligence Elective II

MCA Cyber Security & Artificial Intelligence Elective III

Case Study

Semester 4

MCA Cyber Security & Artificial Intelligence

Capstone Project

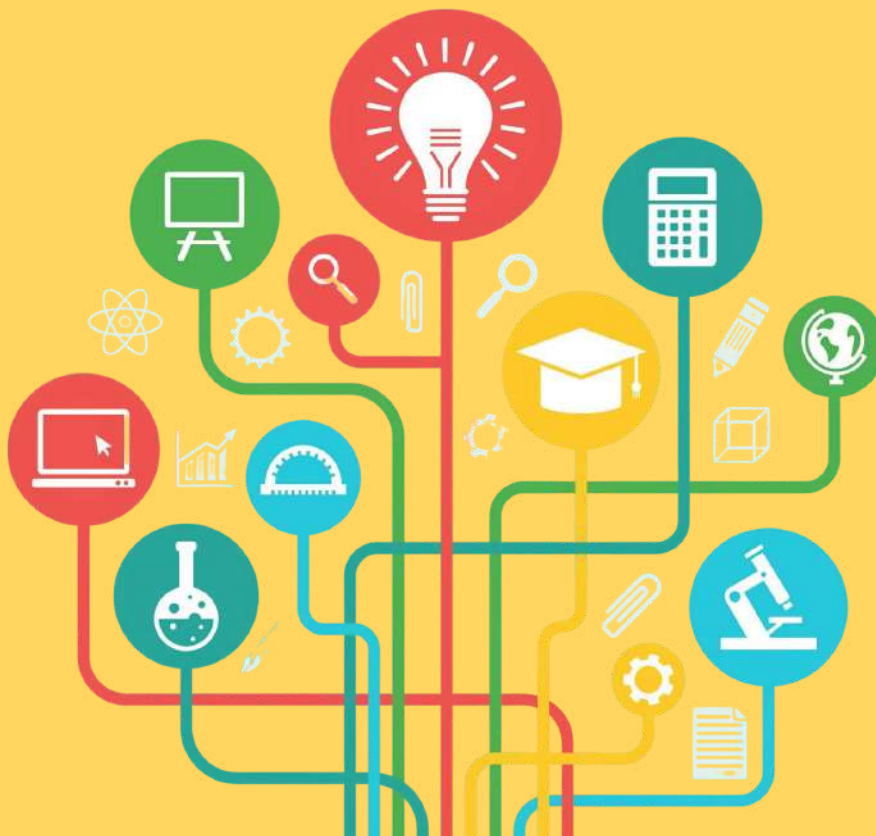
MCA Cyber Security & Artificial Intelligence Elective IV

MCA Cyber Security & Artificial Intelligence Elective V



Electives »

- **Cybersecurity Governance, Risk and Compliance**
- **IOT for AI**
- **Block Chain and Decentralized Applications**
- **Reinforcement Learning**
- **Gen AI and LLM**
- **System Security**
- **Web Application Security**
- **Cloud and Infrastructure Security**
- **Vulnerability Assessment and Penetration Testing**
- **Zero Trust Architecture**



Industry relevant Cybersecurity & Artificial Intelligence Courses »

- > Python Scripting for Modern Stack : Security, Automation and AI
 - > Fundamentals of Security Operations
 - > Machine Learning and Artificial Intelligence in Cybersecurity
 - > Advanced Network Security
 - > Cyber Forensics
 - > Cybersecurity Governance, Risk and Compliance
 - > System Security
 - > Web Application Security
 - > Block Chain and Decentralized Application
 - > Cloud and Infrastructure Security
 - > Vulnerability Assessment and Penetration Testing
 - > Zero Trust Architecture
 - > Deep Learning for AI
 - > IOT for AI
 - > Reinforcement Learning
 - > Generative AI and LLM
 - > Case Study
 - > Capstone Project
-
- Students get the Industry Certification Basics & self-exploration capacity form CyberSecurity specialization courses.
 - Students can explore and experience MOOC course - SWAYAM, NPTEL

Industry-Ready Training: Industry readiness opportunity through CyberSecurity & AI Course mentors interaction, peer interactions, expert talks, self exploration on MOOC/certification tools and Industry-led projects and case studies during the projects.

Platform, Access & Availability: Comprehensive online teaching and laboratory platform that blends instructor-led theory with easy to use tools and simulated threat landscapes. All courses will have individual mentors that are available for daily interactions and personalised assistance.



Online Class Schedule»

Live Sessions - 1 hour per week per course

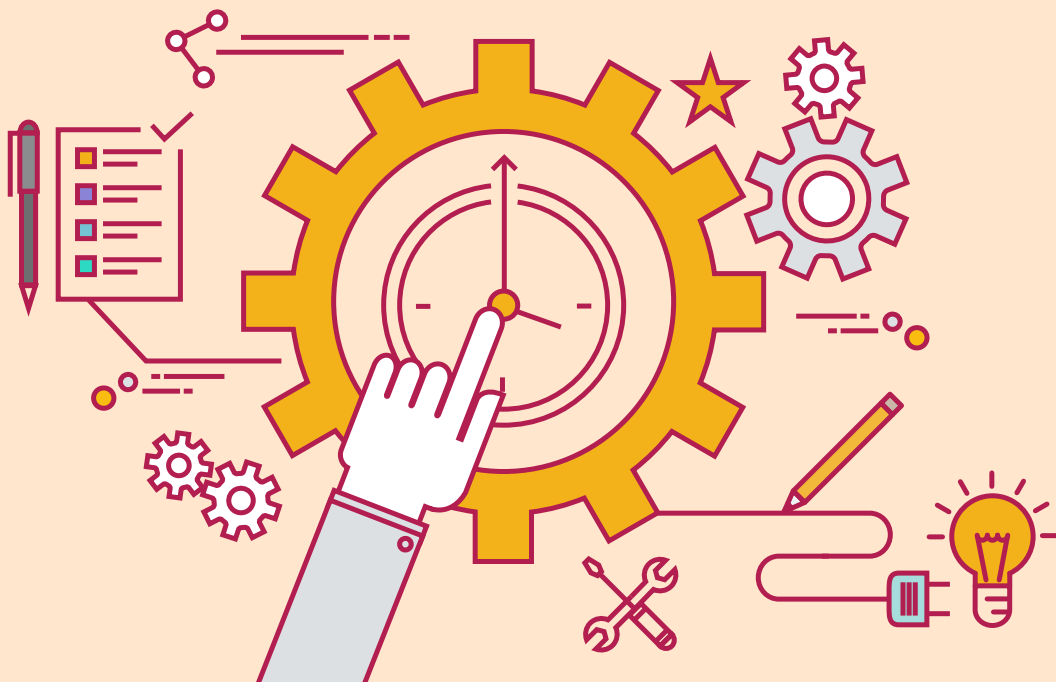
Reading material & video lectures

Uploaded every week prior to the live session

Discussion forums

Active for entire week. Doubts are clarified within 2 days.

Quizzes & assignments



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



Security Engineer



Network Security
Consultant



Cyber Forensics
Specialist



Penetration Tester



Ethical Hacker



Application
Security Analyst



Governance Risk
Compliance Analyst



Cloud Security
Analyst



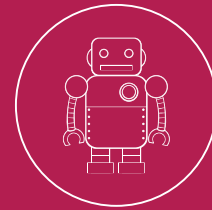
Cyber Security Analyst



Cyber Security
Professional



Cyber Security
Operations Manager



Cyber Compliance
Audit Specialist



Cyber Security & Artificial
Intelligence Specialist



Security Systems
Administrator



Security Architect



Offensive Security
Professional



Defensive Security
Professional

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>)



Our Hiring Partners

Google

Microsoft

SAMSUNG

CATERPILLAR®

accenture

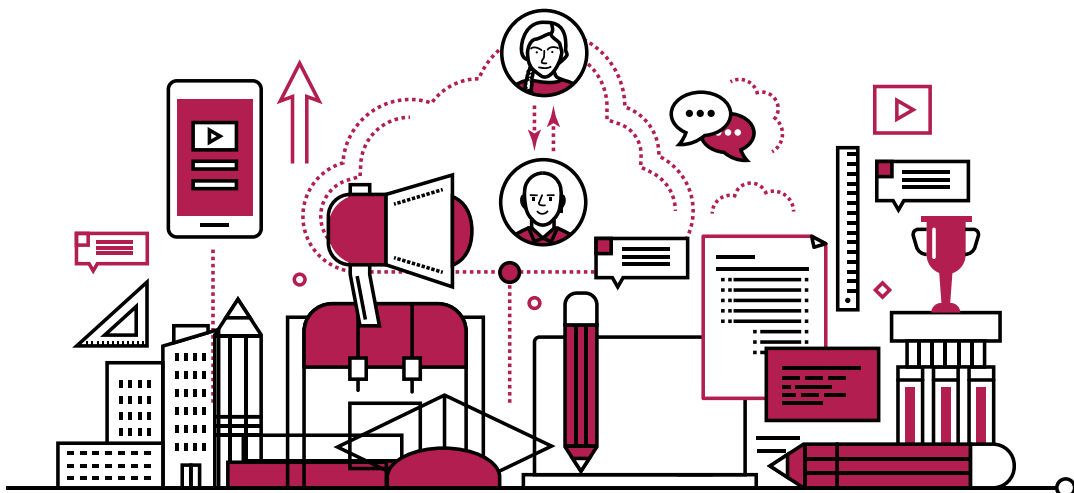


CISCO

Cognizan

NOKIA

Capgemini





Study Abroad

With Amrita University's International Partners

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



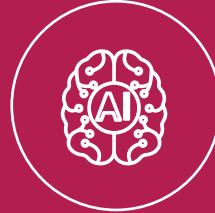
The Amrita Advantage



AICTE approved
Programs



World-Class Faculty



Industry Aligned
Curriculum



Career Placement
Assistance



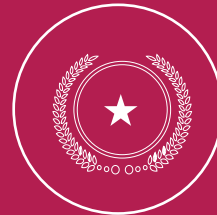
8th Best University
in India



30000+ Students



2000+ Faculty



27 Collaborations with
Top World-Ranked
Universities



16 Constituent
Schools



Immersive Learning
experience



Affordable fees



Course Mentors



First MCA Cyber Security &
AI program where students
can earn 6 of the most
sought after industrial
certifications in Cyber
Security



MCA - Cyber Security &
AI Masters Degree from
nationally & internationally
top-ranked University,
recognized as Institute of
Eminence by UGC



Learning support
from Industry
Experts



Industry
Aligned
Curriculum



Amrita Alumni status
upon graduation

Eligibility »

Students with Indian Education:

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

- > Bachelor's Degree from Recognized University with minimum 50% marks (eg : BCA, Bsc CS/IT, Btech)
- > Mathematics as a course either in Class 12 or Degree
- > 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

- * Registration fee : Rs. 700/-
- * Examination fee: Rs. 2750/- per semester
- * If you are a foreign national, please email: ahead@amrita.edu / online@amrita.edu

**Monthly Instalment
(6 Months)**

Rs. 7958



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



“ When I was looking for a reputable university that provides a master’s degree in online MCA cyber security, Amrita came as a lifesaver. And I didn’t explore any further when I saw Amrita Online was providing MCA-Cyber Security Online, and I don’t regret the choice. I’m halfway through my course, and thus far, it’s been a lovely experience. Amrita Online offers a top-notch learning environment, even virtually, be it anything, the courses, teachers, or any other service.”

Manisha O.
Online MCA Cybersecurity



“ Amrita Online online MCA Cybersecurity degree, I found the course that suited me perfectly, and I continue to be inspired and encouraged in every class by both staff and students. The support network for international students is excellent, with excellent batch advisors. I was incredibly impressed with how dedication and professionalism were constantly being developed in the courses which ensured students well prepared for the challenges of the IT industry. I am thankful to have been a part of Amrita University.”

Monson Mammen
Online MCA Cybersecurity
Technical Consultant, Dubai Land Department



“ 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



“ I belong to online MCA Cyber Security 2021 batch. I would suggest all my friends join Amrita Online to do a Master’s in online MCA cyber security. I got the utmost assistance from the Faculty throughout the Program. This Program is beneficial for working professionals. Since I also work in a corporate company for 9 hrs shifts, I can learn all my subjects in this Program with no delay. This program is worthy, and the quality of the content they deliver is the best thing I like here.”

Subash J.
Online MCA Cybersecurity
Associate cyber security consultant, Ernst and young



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online@amrita.edu



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



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<https://x.com/AmritaAHEAD>



www.linkedin.com/company/amritaonline



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