



AMRITA | AHEAD
VISHWA VIDYAPEETHAM | Online



Get an
Online
certified
Degree
in MCA

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** 2022

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

nirf | **7TH BEST** 2023
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» 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 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** *Program*

Our online Master of Computer Application program is an immersive technology learning program for both fresh graduates, aspiring to be job ready, as well as working professionals, looking to upskill themselves for better career prospects. The courses are designed and taught by world-class academicians and industry experts to keep abreast with the ever-growing IT sector. The MCA program is the best choice for individuals looking to strap on programming skills to help them achieve their career goals sooner or in a bigger way. The course's curriculum is in accordance with industry 4.0 standards providing students the opportunity to learn cutting edge technologies and tools from subject matter experts around the globe. Recent NASSCOM reports says the talent demand-supply gap in emerging technology areas is expected to grow to over 250,000 in the next 3 years.

Our goal with the Online MCA program is to directly address this talent gap. Designed and jointly offered with Industry experts, the MCA curriculum not only meets the objectives of NASSCOM's future skills initiative but also the Govt of India's IT and ITeS sector skills. Another unique aspect about our online MCA program is integration of several sought-after industry certifications related to critical topics like penetration testing, ethical hacking, cloud computing etc. with IBM, EY, CompTIA, EC-Council etc. The program offers 360-degree placement assistance to the candidates.

Our graduates move on to holding important positions with leading multinationals and government Bodies, influencing ideas, building solutions, framing strategies globally while upholding the highest ethical standards.

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

Foundations of Computer Systems

Mathematical Foundations for Computer Applications

Essentials of Cybersecurity

Elective I

Elective II

Elective III

Semester 2 MCA

Data structures and Algorithms

Mathematics Elective

Cloud Computing

Elective IV

Elective V

Elective VI

Semester 3 MCA

Software Project Management

Research Methodology

Elective VII

Elective VIII

Elective IX

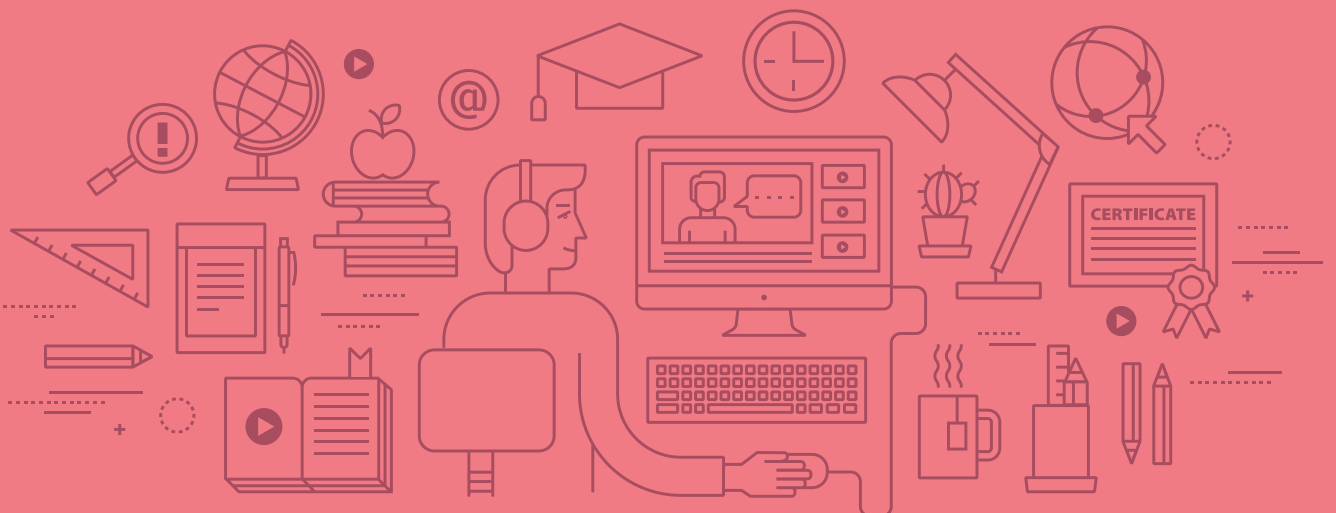
Elective X

Minor Project

Semester 4 MCA

Project

Elective XI



The MCA program has a series of specialisations which are -

Industry-relevant specializations

- > Systems and Networks (including CCNA & CCNP)
- > Mobile Application & Full Stack Dev. Skills
- > Virtual & Augmented Reality

Industry Certifications

- > Cisco Certified Network Associate (CCNA)
- > IBM Practitioner
- > Amrita Ahead is currently offering courses from Coursera and SWAYAM - NPTEL.



Other Industry-relevant Electives

- > Object Oriented Programming Using Java
- > Advanced Operating Systems
- > Advanced Computer Networks
- > Python Programming
- > Advanced DBMS
- > Advanced Web Technologies and Mean Stack
- > Software Engineering and Design Patterns
- > Design and Analysis of Algorithms
- > Computer Graphics and Visualization
- > Mobile Application Development
- > Compiler Design
- > Deep Learning
- > Parallel and Distributed Computing
- > Connected Internet of Things Devices
- > Software Testing
- > Network Management and System Administration
- > Semantic Web Technologies
- > Bioinformatics
- > Digital Image Processing
- > Information Retrieval
- > Software Defined Networks
- > Pattern Recognition
- > Malware Analysis
- > Network Security Essentials
- > Block Chain Technologies
- > Principles of Economics and Management
- > Switching, Routing and Wireless Essentials
- > Programming Essentials in Python
- > Enterprise Networking, Security and Automation

Industry-ready training: Interact with International (Germany, USA) and CISCO Academy, Google, 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, BlockChain, IoT.

Online Practical Virtual Labs from Google, CISCO Academy, Amrita.

Industry Certification Training

Cisco Certified Network Associate (CCNA)

Google Cloud Computing



Online Class Schedule»

Live Sessions - 1 hour per week per course

Reading material & video lectures

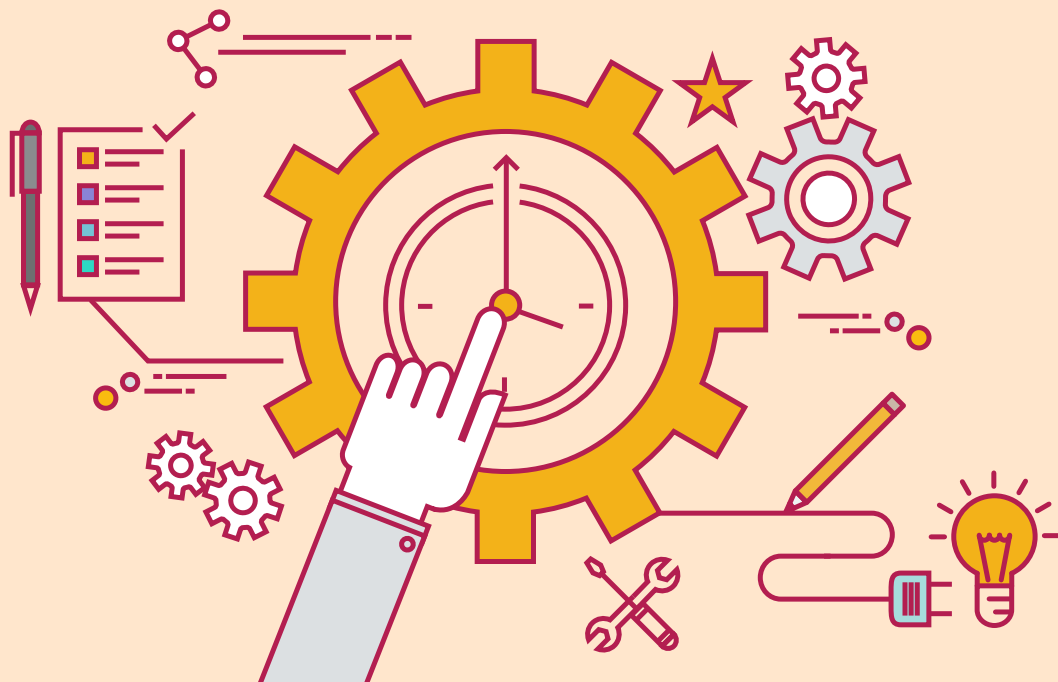
Uploaded every week prior to the live session

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.

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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



Software Application Architect



Software Consultant



Web Designer & Developer



Database Administrator



Test Engineer



Network Engineer



Quality Assurance Engineer



App Developer



Business Analyst



Software Developer



Programmer



Software/Hardware Engineer



Troubleshooter



Systems Analyst

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.



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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.



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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



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The Amrita Advantage



AICTE Approved



World-Class Faculty



Industry Aligned Curriculum



Career Placement Assistance



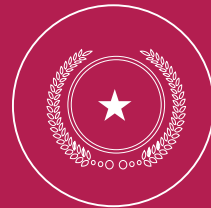
7th Best University in India



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
technology-empowered future



Learn from leading
academicians &
industry experts
around the world



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



Job Relevant Industry
Certifications
from CISCO, Amazon,
IBM



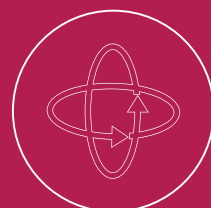
Wide range of electives
in areas of IoT,
Cyber-physical Systems,
Cloud computing,
Cognitive Computing



50+ industrial case
studies &
10+ Mini projects



Opportunity to
work in research
centers on
industry projects



360 Degree
Placement Assistance

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*

Semester	Amount
Semester 1	Rs 35000
Semester 2	Rs 35000
Semester 3	Rs 35000
Semester 4	Rs 35000
Total**	Rs 140000

* 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. 5833



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."

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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



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ahead@amrita.edu



<https://onlineamrita.com>



www.facebook.com/onlineamritaahead



www.instagram.com/amritaahead



www.twitter.com/AmritaAHEAD



www.linkedin.com/company/amrita-ahead



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Apply now: <https://admission.onlineamrita.com/>

Get an
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IN INDIA RANKINGS 2021

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nirf | 7TH BEST
2023 GOVT. OF INDIA UNIVERSITY IN INDIA



Institution of Eminence
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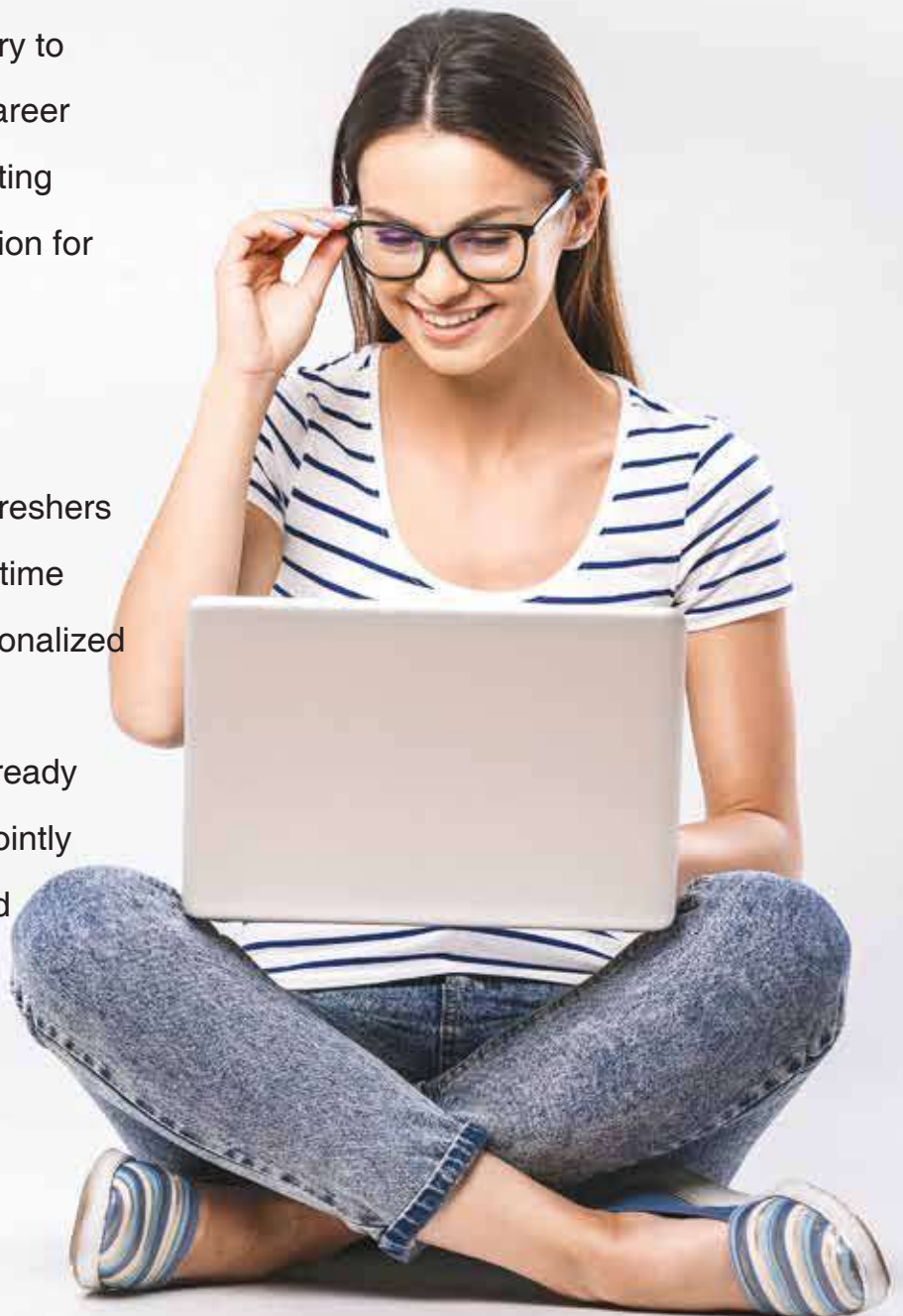
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Online *Our* **MCA AI**

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

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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 Google 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

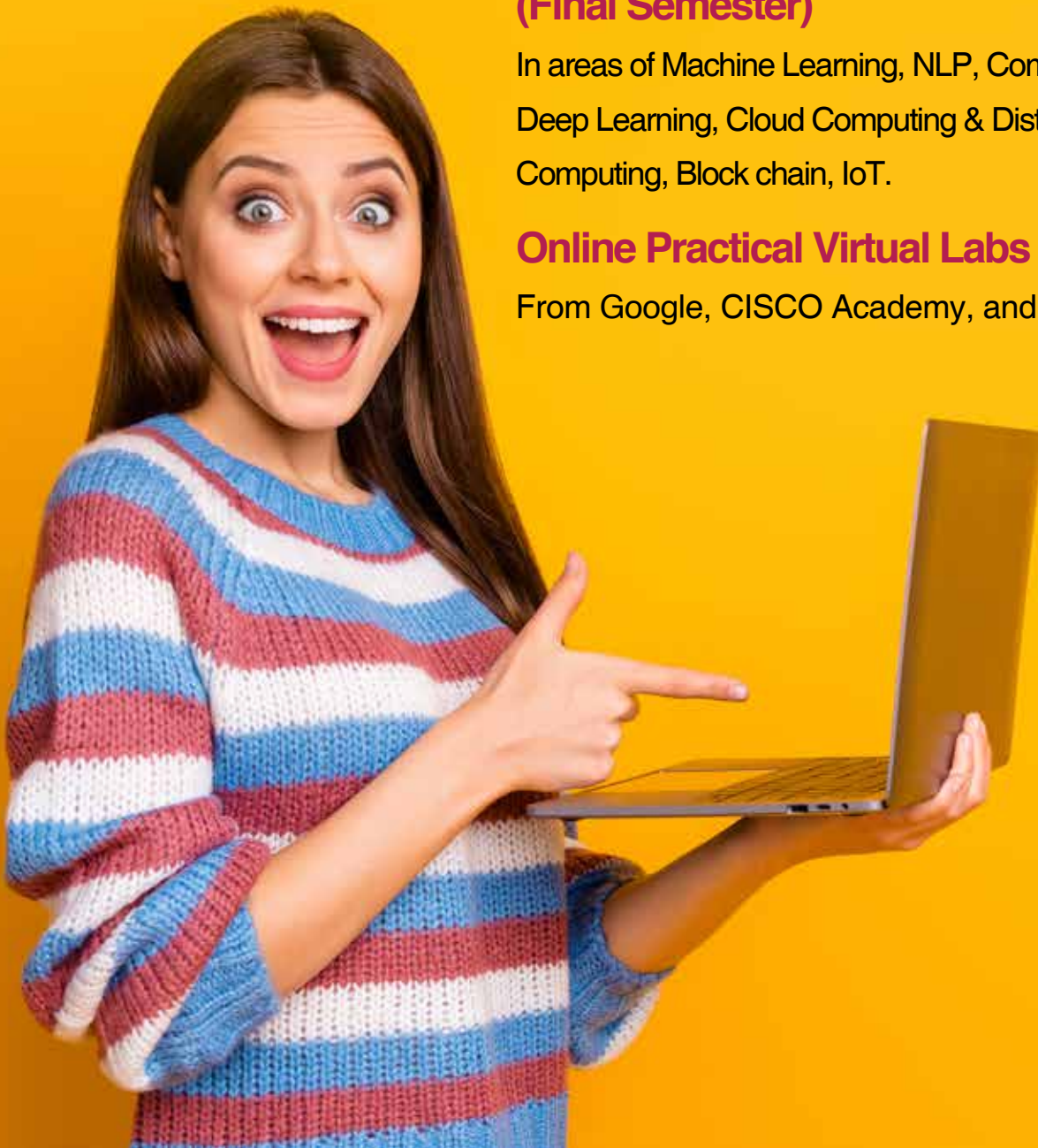
Interact with International (Germany, USA) and National Artificial Intelligence specialists on course modules and Industry-led projects with 50+ case studies.

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 Google, CISCO Academy, and Amrita.



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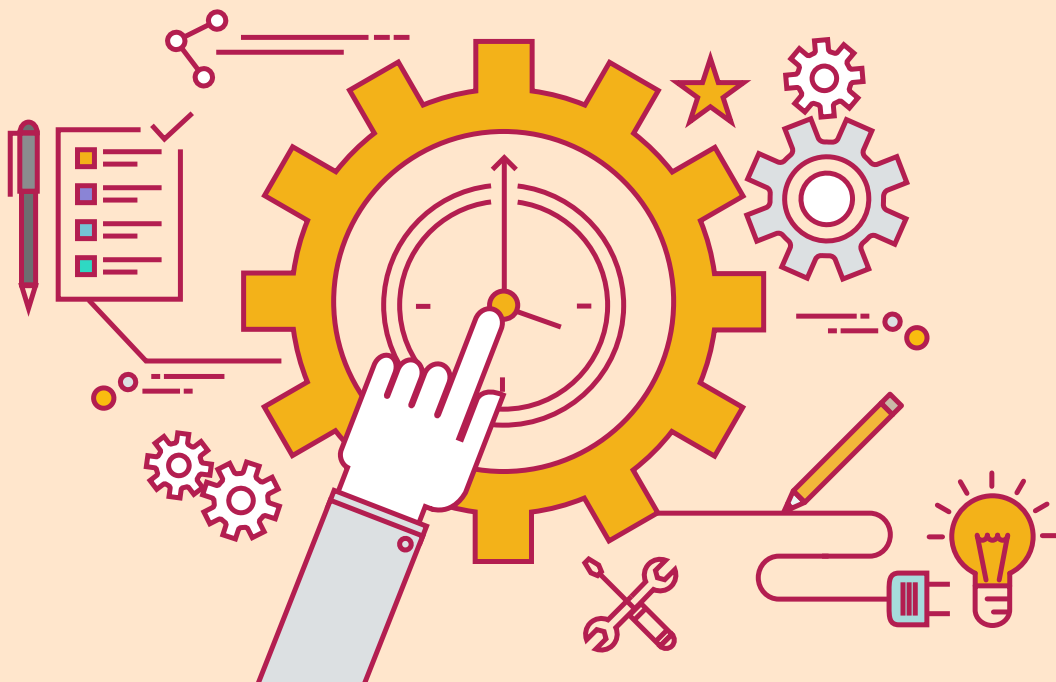
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Job Roles



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



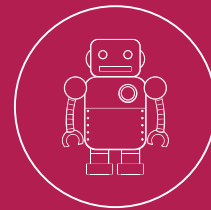
Quantitative Analyst



Operations Analyst



Big Data Engineer



Robotics Engineer



Computer Vision Engineer

Ambassadors of Social Good

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*Placements**



Industry Partners



Confederation of
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Academy



International University Partners

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



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The Amrita Advantage



AICTE
Approved



World-Class
Faculty



Industry Aligned
Curriculum



Career Placement
Assistance



7th Best
University in
India



20000+ Students
(Offline)



1650+
Faculty



27 Collaborations with
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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*

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

- * 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. 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%
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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

 **04954266666**

 **94474 98840**

 **ahead@amrita.edu**

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

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 **www.linkedin.com/company/amrita-ahead**



Apply now: <https://admission.onlineamrita.com/>



Get an Online certified Degree *in* BCA



AMRITA | **AHEAD**
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 inter play 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** 2022

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

nirf **7TH BEST** 2023
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

“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.”

Dr Lee Hartwell

Nobel Laureate

About Amrita» Ahead

Amrita AHEAD'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* **BCA** *Program*

Our online Bachelor of Computer Applications (B. C. A.), Undergraduate program is for aspirants looking to start a career in Computer Science. The program is rigorous, cutting edge and continuously evolving to keep abreast with industry standards. The program also has an analytical core encompassing computer systems, information systems and computer applications.



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	3
Maximum	6



Curriculum»

Semester 1 BCA

Communicative English -1

Foundations of Applied Mathematics- Part I

Principles of Management

Computer Essentials

Problem Solving and Algorithmic Thinking

Problem Solving and Algorithmic Thinking Lab

Semester 2 BCA

Professional Communication

Foundations of Applied Mathematics- Part II

Database Management System

Object Oriented Programming using Java

Operating System and Computer Architecture

Database Management System Lab

Object Oriented Programming using Java

Semester 3

BCA

Discrete Mathematics

Data Structures and Algorithms

Computer Networks

Elective A

Elective B

Data Structures and Algorithms Lab

Computer Networks Lab

Semester 4

BCA

Distributed Systems

Web Application Development

Software Engineering

Elective C

Elective D

Web Application Development -Lab

Semester 5 BCA

C# and .NET Framework

Advanced Java and J2EE

Mobile Application Development

Elective E

Elective F

Advanced Java and J2EE Lab

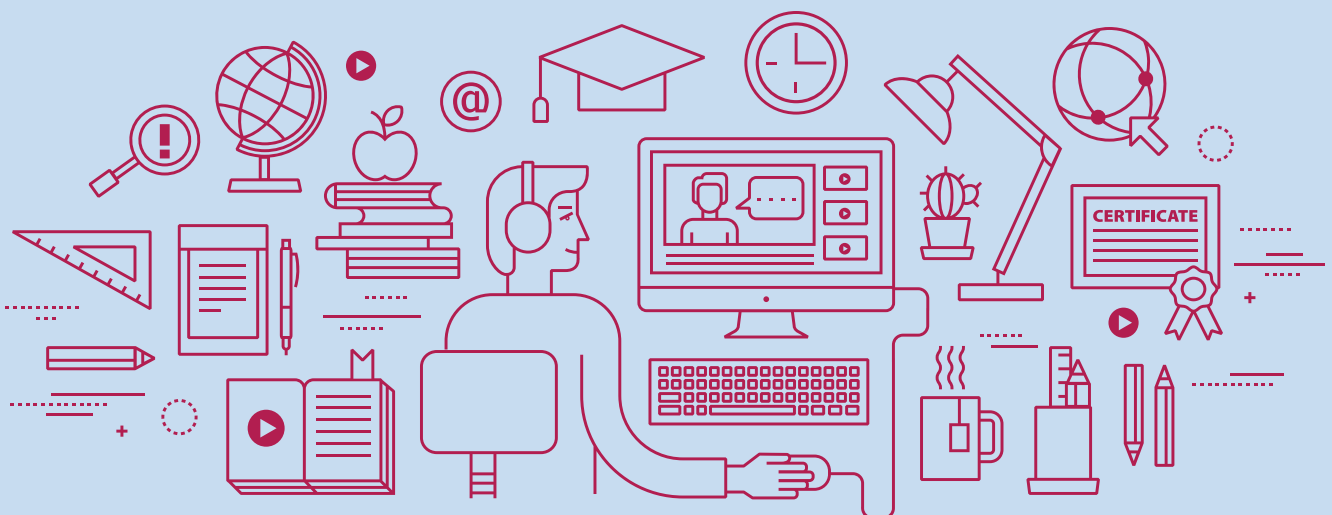
Minor Project

Semester 6 BCA

Major project

Elective G

Elective H



The BCA program has a series of electives

They can be achieved with the electives listed below -

Industry Relevant Electives

(Training to earn Google, Cisco, CompTia & IBM certifications)

CISCO and networking

(Training to earn CCNA Certifications)

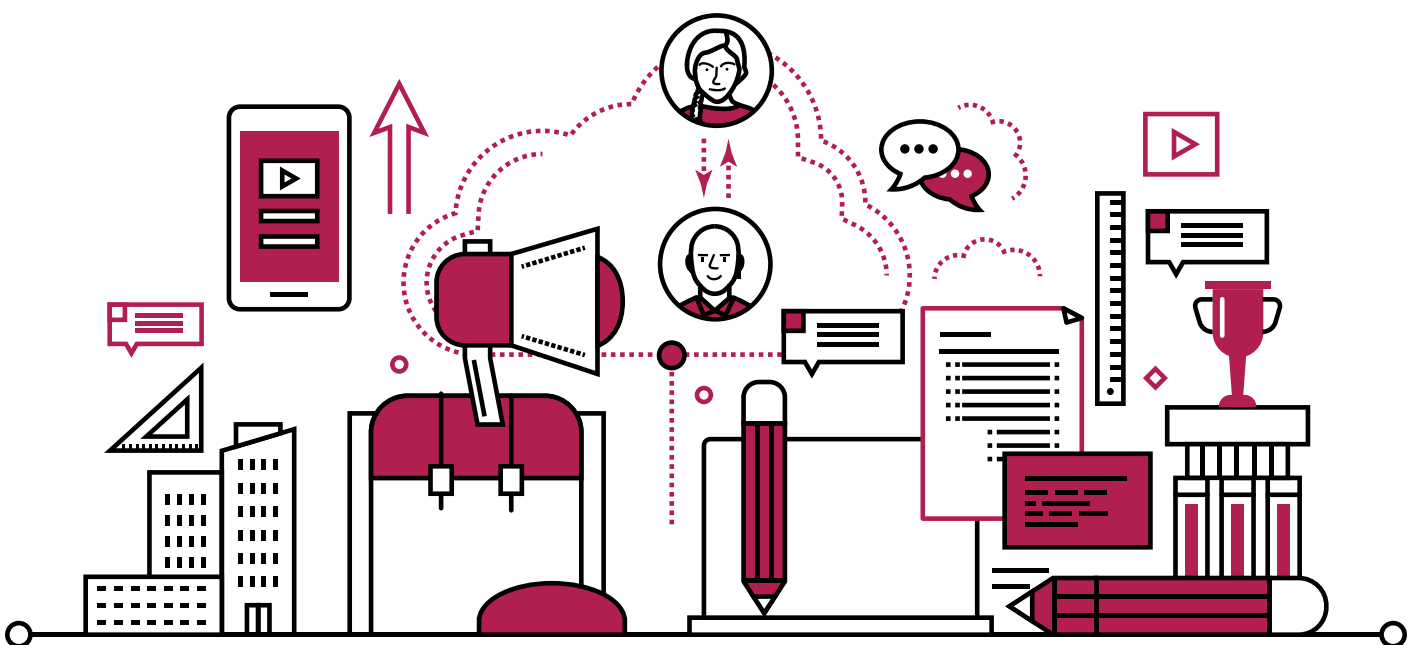
- > CCNA: Introduction to Networks
- > CCNA: Switching, Routing & Wireless Essentials
- > CCNA: Enterprise Networking, Security & Automation

Other Industry-relevant Electives

- > Introduction to Artificial Intelligence
- > Applications of Machine Learning
- > Data Mining
- > Linear Algebra for Machine Learning
- > AI for Drug Discovery & Target Validation
- > Applied Predictive Analytics
- > Big Data Analytics & Visualization
- > Natural Language Processing
- > Statistics & Probability for Machine Learning
- > Business Analytics
- > Bio medical & Health Informatics

Artificial intelligence and data science

- > Introduction to Artificial Intelligence
- > Applications of Machine Learning
- > Data Mining
- > Linear Algebra and Optimization for Data Science
- > AI for Drug Discovery & Target Validation
- > Applied Predictive Analytics
- > Big Data Analytics & Visualization
- > Natural Language Processing
- > Probability and Statistics for Data Science
- > Business Analytics
- > Bio medical & Health Informatics



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 in the final semester alongside industry veterans in areas of Machine Learning, NLP, Vision, Deep learning, Cybersecurity, Cloud Computing & Distributed Computing, Blockchain, IoT.

Online Practical Virtual Labs from Google, CISCO Academy and Amrita.

Industry Certification Training

(Certification costs are optional and extra)

CISCO Certified Network Associate

Optional elective EC-Council Certified Security Specialist (ECSS)

Optional PenTest+ (Plus) Certification

CompTIA IT Certifications

IBM Practitioner



Online Class Schedule»

Live Sessions - 1 hour per week per course

Reading material & video lectures

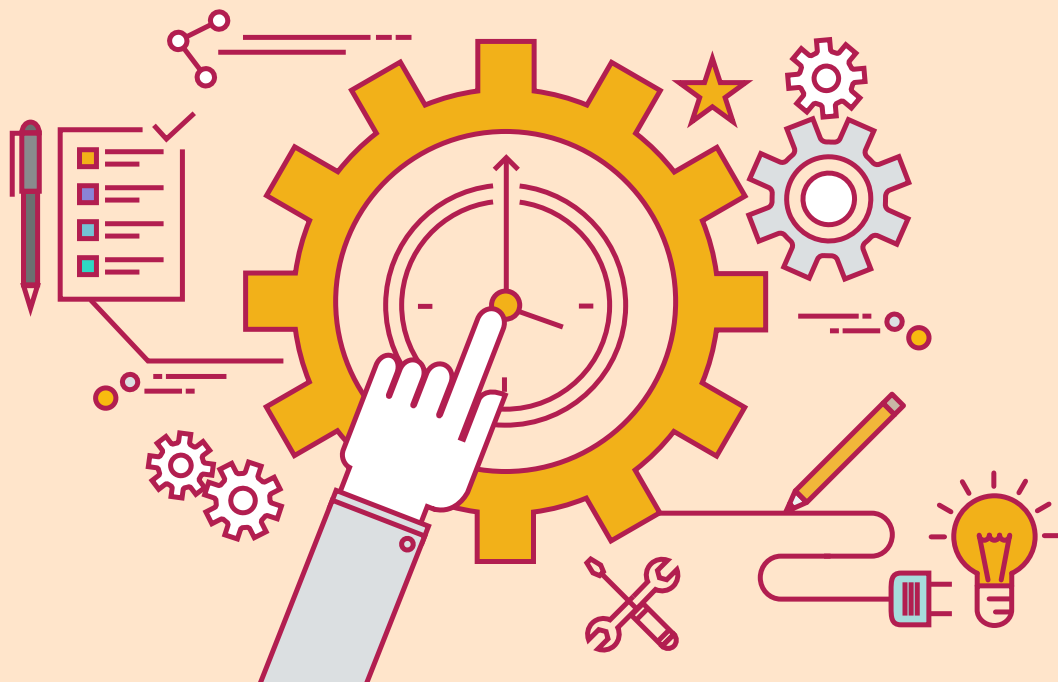
Uploaded every week prior to the live session

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



Data Scientist



Health Care Analyst



Software Engineer



Web Developer



Business Analyst



Data Analyst



Market Research Analyst



Project Manager



Big Data Analyst

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 Worldbank, 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*

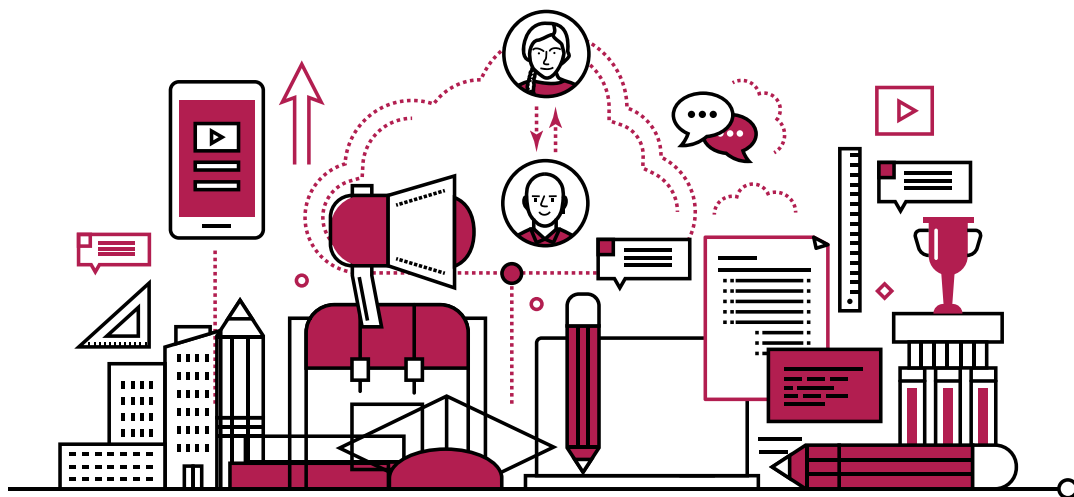


International University Partners

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



Placements*

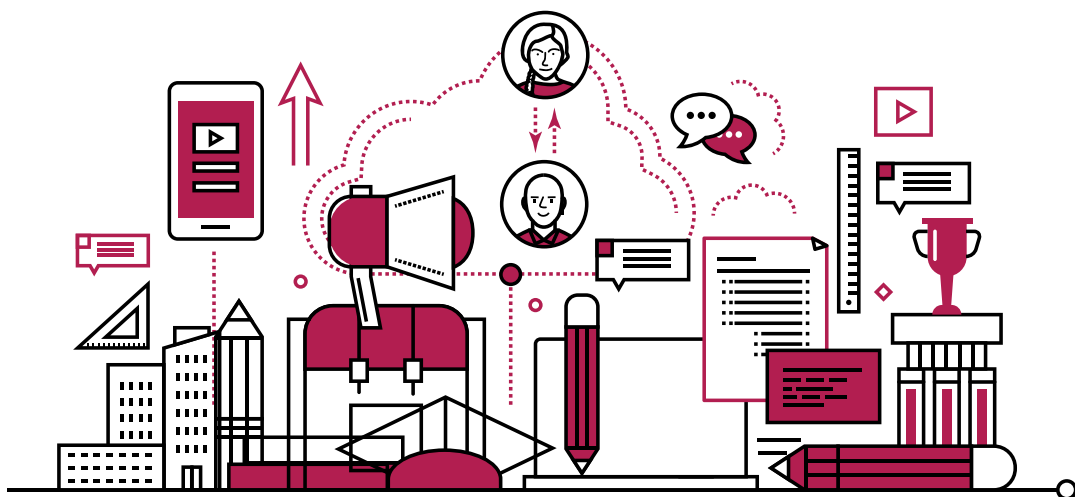


International University Partners

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



UGC Entitled
Programs



World-Class Faculty



Industry Aligned
Curriculum



Career Placement
Assistance



7th Best University
in India



20000+ Students
(Offline)



1650+ Faculty



27 Collaborations with
Top World-Ranked Universities



16 Constituent Schools



Strong Alumni Network



Affordable



Master the 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 an aggregate minimum of 45% marks.

- > Candidates must have passed 10 + 2
- > Candidates who have passed 3-year diploma can also apply

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

Students with a Foreign Education:

Certificate of Equivalence from the Association of Indian Universities is needed. This is required for any student with a Foreign Education who wishes to apply to an Indian University. Please refer to Foreign Education who wish to apply to any Indian University (<https://aiu.ac.in>)

Fee Structure*

Semester	Amount
Semester 1	Rs 25000
Semester 2	Rs 25000
Semester 3	Rs 25000
Semester 4	Rs 25000
Semester 5	Rs 25000
Semester 6	Rs 25000
Total**	Rs 150000

* 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. 4167



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



"I searched on the internet for an online course to study from home. I found Amrita Ahead along with some other online programs. I researched everything and found the "Online BCA Program. My experience with Amrita has made me a better version of my present self. Learning in Amrita has made me develop a lot of self-discipline and an urge to get out of my comfort zone to improve myself as an individual. I'm grateful for being a part of the Amrita Family and growing along with it."

Ajitha
Online BCA



"Amrita never disappoints! It has become an emotion other than an institution for me. I was fortunate to follow my dreams through Amrita's Online BCA program. The faculty's tremendous efforts in making each Online session fruitful and interactive have enhanced our academic and interpersonal skills. Being at a global university, Amrita Ahead allowed me to meet people worldwide and learn new things from them. I will always treasure the memories of Amrita."

Ayesha
Online BCA



It has been a truly invaluable learning experience through the online platform offered by Amrita Vishwa Vidyapeetham. As for the assistance, feedback, and general help of the teachers and our advisor, I found it excellent.

Aside from the course plan, Amrita Ahead is constantly releasing the most recent webinars by experts to help students understand current situations and challenges. After multiple college dropouts, I believe that Amrita Ahead is always a good place to broaden my knowledge. always positive and motivating.

Asarudin.A
Online BCA



"I had been searching for online BCA degree programs for a long time, and after thorough research on the web, I learned about Amrita AHEAD. What attracted me the most was the industry-ready certifications that came along with the course. At Amrita, industry experts and professors conduct guest lectures and workshops regarding new technologies. Truly, Amrita AHEAD is India's best Online education platform for upcoming BCA students looking forward to a bright career."

Anirban Bhadra

Online BCA



"The knowledge and skills I've developed through my study with the Online BCA have made me competitive and have increased my confidence as a biostatistician. I felt overwhelmingly supported as a student in Amrita Ahead Online BCA program."

Sruthi Jeyachitran

Online BCA



"I'm Mohit Sai, as being specially abled student, I needed an extra attention for my online degree and to my surprise, Amrita Ahead were able to clarify my doubts. The syllabus is very easy to digest for everyone. Amrita Ahead Faculty are friendly and helpful. My fellow mates are very helpful and very supportive."

Mohit Sai

Online BCA



"As a UI/UX designer and developer with more than 3.5 years of experience, I started looking for the finest online BCA course for me when I wanted to gain additional technical knowledge. The ideal learning environment is created by AMRITA AHEAD'S online lectures in conjunction with live sessions. The lecturers at AMRITA Ahead are incredibly helpful in resolving even the slightest of our doubts. I hope to continue learning since my education at AMRITA has helped me become more disciplined in my life."

Bharat Jadhav

Online BCA

(Data is based on on-campus information)



04954266666



94474 98840



ahead@amrita.edu



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