AMRITA
VISHWA VIDYAPEETHAM

Institution of Eminence
University Grants Commission

2022
DOCTORAL
PROGRAMS AT
AMRITA VISHWA VIDYAPEETHAM

Amrita Vishwa Vidyapeetham is a multi-disciplinary, research-intensive, private university, educating a vibrant student population of over 20,000 by 1700+ strong faculty. Amrita offers more than 200 UG, PG, and Ph.D. programs in Engineering, Management, Medical & Life Sciences, Arts & Humanities, and Social Sciences. In a short span of 15 years, we have established 180+ collaborations with Top 500 world-ranked universities as Amrita is emerging as one of the fastest growing institutions of higher learning in India.

Amrita University unfailingly meets and even exceeds the parameters that measure the delivery of excellence in education. Most recently, NAAC - an autonomous accreditation agency under the UGC - has granted Amrita an A++ grade, the highest it can offer. Alongside, in the NIRF rankings, Amrita has consistently found a place among the top 10 universities in India. Every year. For the last five years. Additionally, Amrita has also been indexed high on various international ranking criteria.

Doctoral programs at Amrita Vishwa Vidyapeetham are designed to develop outstanding educational researchers with a wide range of research skills as well as in-depth knowledge and practical understanding and expertise in their chosen field of educational research. Candidates seeking admission can enroll in the campuses at Amritapuri, Bengaluru, Coimbatore, Kochi, Mysuru and Chennai.

Eligible candidates shall be provided a variety of research and teaching assistant scholarships. Amrita has a pool of outstanding faculty with Doctorate from globally known Institutions and Universities who continuously engage in research with partners across the world

CONTENT

UNIVERSITY
RANKINGS

No.1 IN INDIA
THE IMPACT RANKINGS 2022

No.1 IN INDIA PRIVATE UNIVERSITY
THE WORLD UNIVERSITY RANKINGS

NAAC A++ ACCREDITED

No.1 IN INDIA INTERNATIONAL FACULTY
QS WORLD UNIVERSITY RANKINGS 2020

nirf 2022 GOVT. OF INDIA | 5TH BEST UNIVERSITY IN INDIA

UNIVERSITY GRANTS COMMISSION
MINISTRY OF EDUCATION GOVT. OF INDIA

THE
NUMBERS

100 +	Patents Filed
60+	Centers of Excellence
16000 +	Publications
200 +	Collaborations
$100M +	Funding
500 +	Funded Scholarships
800 +	PhD Faculties

AMRITAPURI CAMPUS

DOCTORAL
**PROGRAMS
OFFERED AT
AMRITA**

Engineering

>> Computer Science and Engineering
>> Electrical and Electronics Engineering
>> Electronics and Communication Engineering
>> Mechanical Engineering
>> Cyber Security Systems and Networks
>> Earth Sciences
>> Wireless Networks & Applications
>> Technologies for Neuroscience and Neural Engineering

Physical Sciences

>> Mathematics
>> Chemistry
>> Physics

Life Sciences

>> Biotechnology
  ▪ Microbiology
  ▪ Bioinformatics
  ▪ Biotechnology
>> Computational neuroscience

AMRITAPURI CAMPUS

Medical & Health Sciences

>> Ayurveda

Arts, Humanities & Commerce

>> Philosophy
>> English Language and Literature
>> Commerce and Management

Business & Management

>> Marketing
>> Finance
>> Operations
>> Organizational Behavior and Human Resources
>> General Management

Social & Behavioral Sciences

>> Social Work
>> Special Education

Interdisciplinary Studies

>> Interdisciplinary Studies
>> Sustainable Development
>> Cognitive Sciences & Technology

BENGALURU CAMPUS

DOCTORAL
**PROGRAMS
OFFERED AT
AMRITA**

Engineering

- Computer Science and Engineering
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Mechanical Engineering

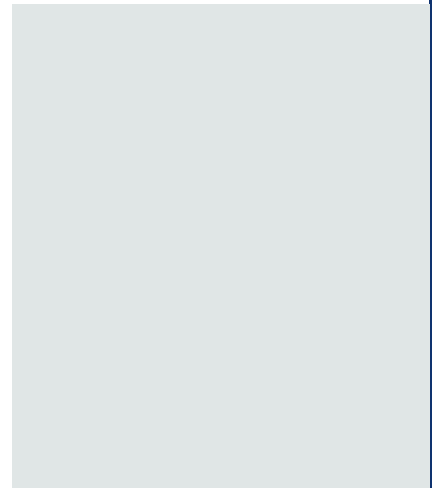## Physical Sciences

- Mathematics
- Chemistry
- Physics

Interdisciplinary Studies

- Interdisciplinary Studies
- Sustainable Development

BENGALURU CAMPUS

Business & Management

- Marketing
- Finance
- Operations
- Organizational Behavior and Human Resources
- Economics
- General Management
- Public Health and Healthcare Management
- Sociology of Management
- Data Analytics
- Public Policy

DOCTORAL
**PROGRAMS
OFFERED AT
AMRITA**

Engineering

>> Computer Science and Engineering
>> Electrical and Electronics Engineering
>> Electronics and Communication Engineering
>> Chemical Engineering
>> Mechanical Engineering
>> Aerospace Engineering
>> Civil Engineering
>> Cyber Security
>> Computational Engineering & Networking
>> Materials Science and Engineering
   (Multidisciplinary)

Interdisciplinary Studies

>> Interdisciplinary Studies
>> Sustainable Development

Social & Behavioral Sciences

» Social Work

Physical Sciences

» Mathematics
» Chemistry
» Physics
» Environmental Science

Arts, Humanities & Commerce

» Amrita Dharshanam : Philosophy/Spirituality
» English Language and Literature
» Communication

Business & Management

» Marketing
» Operations
» Organizational Behavior and Human Resources
» Management Strategy
» Information Technology
» Economics
» General Management
» Entrepreneurship

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KOCHI CAMPUS

>> DOCTORAL **PROGRAMS OFFERED AT AMRITA**

Business & Management

>> Marketing
>> Finance
>> Operations
>> Organizational Behavior and Human Resources
>> Management Strategy
>> Information Technology
>> Economics
>> Public Health

Arts, Humanities & Commerce

>> English Language and Literature
>> Amrita Dharshanam - Philosophy/Spirituality - Cultural Studies
>> Hindi
>> Visual Media and Communication
>> Commerce and Management

AIMS Medical Campus, Kochi

» Medical and Health Sciences
» Nanomedicine
» Molecular Medicine
» Renewable Energy

Physical Sciences

» Mathematics
» Computer Science and IT

Interdisciplinary Studies

» Interdisciplinary Studies
» Sustainable Development

MYSURU CAMPUS

>> DOCTORAL **PROGRAMS OFFERED AT AMRITA**

Physical Sciences

>> Chemistry
>> Computer Science

Arts, Humanities & Commerce

>> English and Languages
>> Visual Media and Communication
>> Commerce & Management
- Finance
- Taxation
- Human Resource management
- Marketing
- Entrepreneurship

Interdisciplinary Studies

>> Interdisciplinary Studies
>> Sustainable Development

CHENNAI CAMPUS

>>

DOCTORAL PROGRAMS OFFERED AT AMRITA

Engineering

>> Computer Science and Engineering
>> Electronics and Communication Engineering
>> Computer and Communication Engineering
>> Mechanical Engineering
>> Cyber Security

Physical Sciences

>> Mathematics
>> Chemistry
>> Physics

Interdisciplinary Studies

>> Interdisciplinary Studies
>> Sustainable Development

Arts, Humanities & Commerce

>> English Language and Literature
>> Amrita Dharshanam : Philosophy/Spirituality

RESEARCH THEMATIC AREAS IN ENGINEERING AT AMRITA

- » Aerospace Technology
- » Artificial Intelligence and Data Science
- » Automotive Engineering
- » Big Data and Block Chain Technology
- » Biomedical Engineering
- » Chemical Engineering
- » Cognitive Sciences and Technology
- » Communication Engineering
- » Computer Engineering
- » Construction and Structural Engineering
- » Cyber Physical Systems and IoT
- » Cyber Security
- » Disaster and Water Management
- » Earth Sciences and Remote Sensing
- » Embedded Systems
- » Hardware Security
- » Materials Science and Metallurgical Engineering
- » Mechanical Engineering
- » Nanotechnology
- » Neuroengineering

- » Ocean Engineering

- » Power Systems

- » Power electronics and Drives

- » Renewable Energy Technologies

- » Robotics and Automation

- » Signal and Image Processing

- » Smart Manufacturing

- » Smart Systems

- » Supply Chain and Logistics

- » Sustainable Development

- » Transportation Engineering

- » VLSI Design

- » Wireless Sensor networks

- » & Many more Interdisciplinary Research Areas

If you cannot find the thematic area you are looking for here, please write to
phd@amrita.edu

RESEARCH AREAS IN ENGINEERING	AMRITAPURI	BENGALURU	COIMBATORE	CHENNAI
Aerospace Engineering			⊘	
Chemical Engineering			⊘	
Civil Engineering			⊘	
Computational Engineering & Networking (CEN)			⊘	
Cognitive Sciences & Technology	⊘			
Computer and Communication Engineering				⊘
Computer Science and Engineering	⊘	⊘	⊘	⊘
Computer Science and Engineering (Artificial Intelligence)				⊘
Computer Science and Engineering (Cyber Security)				⊘
Cyber Security			⊘	
Cyber Security Systems and Networks	⊘			
Earth Sciences	⊘			
Electronics and Communication Engineering	⊘	⊘	⊘	⊘
Electrical and Electronics Engineering	⊘	⊘	⊘	
Materials Science and Engineering (Multidisciplinary)			⊘	
Mechanical Engineering	⊘	⊘	⊘	⊘
Wireless Networks & Applications	⊘			

SPECIALIZATIONS OFFERED IN MANAGEMENT	AMRITAPURI	BENGALURU	COIMBATORE	KOCHI	MYSURU (BY MANAGEMENT & COMMERCE DEPT.)
Economics		✓	✓	✓	
Finance	✓	✓	✓	✓	✓
General Management	✓	✓	✓		
Information Technology			✓	✓	
Management Strategy			✓	✓	
Marketing	✓	✓	✓	✓	✓
Operations	✓	✓	✓	✓	✓
Organizational Behavior and Human Resources	✓	✓	✓	✓	✓
Public Health				✓	✓
Public Health and Healthcare Management		✓			
Sociology Management		✓			
Taxation					✓
Human Resource management					✓
Entrepreneurship			✓		✓
Data Analytics		✓			
Public Policy		✓			

SPECIALIZATIONS OFFERED IN SCIENCES	AMRITAPURI	BENGALURU	COIMBATORE	KOCHI	MYSURU	CHENNAI
Physical Sciences						
Physics	✓	✓	✓			✓
Chemistry	✓	✓	✓		✓	✓
Mathematics	✓	✓	✓	✓		✓
Computer Science and IT				✓		
Computer Science					✓	
Environmental Science - Centre For Sustainable Future			✓			
Life Sciences						
Biotechnology	✓					
Computational Neuroscience	✓					

Research focus at the School of Biotechnology spans a wide spectrum of areas including Cell Biology, Cancer Biology, Wound Healing, Computational Neuroscience, Proteomics, Microbiology, Neurophysiology, Phytochemistry, Analytical Chemistry & Venomics

SPECIALIZATIONS OFFERED IN INTERDISCIPLINARY STUDIES	AMRITAPURI	BENGALURU	COIMBATORE	KOCHI	MYSURU	CHENNAI
Interdisciplinary Studies	✓	✓	✓	✓	✓	✓
Sustainable Development	✓	✓	✓	✓	✓	✓
AMMACHI Labs- Cognitive Sciences and Technology	✓					

HEALTH **SCIENCES**

KOCHI CAMPUS	
D. M. in Cardiac Anesthesia	D. M. in Paediatric Cardiology
D. M. in Cardiology	D. M. in Pulmonary Medicine
D. M. in Endocrinology	D. M. in Rheumatology
D. M. in Gastroenterology	Ph. D. in Nanomedicine, Molecular Medicine and Renewable Energy Related Areas (Sciences)
D. M. in Medical Oncology	Ph. D. in Pharmaceutical Sciences
D. M. in Nephrology	Ph. D. in Medical and Health Sciences
D. M. in Neurology	Ph. D. in Dental Sciences

AMRITAPURI CAMPUS
Ayurvedic Medicine (open to faculty members of Amrita Vishwa Vidyapeetham presently)

Candidates interested in PhD in Medical and Health Sciences at Kochi campus may write to **researchsecretary@aims.amrita.edu, pgphsr@aims.amrita.edu**

SPECIALIZATIONS OFFERED IN ARTS, HUMANITIES AND COMMERCE	AMRITAPURI	CHENNAI	COIMBATORE	KOCHI	MYSURU
Amrita Darshanam - Philosophy/Spirituality	✓	✓	✓	✓	
Commerce and Management	✓			✓	
Communication			✓		
Cultural Studies				✓	
English Language and Literature	✓	✓	✓	✓	✓
Hindi				✓	
Visual Media and Communication				✓	
Visual Communication					✓
Management and Commerce					✓

SPECIALIZATIONS OFFERED IN SOCIAL AND BEHAVIORAL SCIENCES	AMRITAPURI	CHENNAI	COIMBATORE	KOCHI	MYSURU
Special Education	✓				
Social Work	✓		✓		

FULL **TIME PHD**

Applicants holding a Master's degree are eligible to apply for admission (CGPA above 6.5). Examples of Master's degree include: ME, M. Tech., M. Sc., MCA, M. Com., MFA, MJMC, MSW, MBA, MS by Research and MPhil.

Having CSIR, UGC NET, GATE qualification, CAT, GRE qualification is a plus.

» **For PhD in Engineering,**
The preceding degree may be M. E., M. Tech., M. Phil., M. Sc. (B. E., B. Tech for Integrated PhD)
A candidate seeking admission after a 4 year/ 8 semester Bachelor's degree with Research should have a minimum CGPA of 7.5/10.

» **For PhD in Health Sciences**
(Medicine, Nursing, Pharmacy, Nanosciences),
The preceding degree may be M. E., M. Tech., M. Sc., MBBS + 2 yr. diploma, BAMS plus two year diploma, MHA, M.Pharm, MDS, DNB, M.S. and M.D.

» **For PhD in Business,**
The preceding degree may be Bachelor's in Engineering, Medicine, Law or other professional qualification (60% marks). The candidate may also have an MBA or PGDM from an AICTE recognized institution.

» **For PhD in Humanities & Social Sciences,**
The preceding degree may be M. A., M. Com., M. F. A. and M. S. W.

» **For PhD in Pure Sciences,**
The preceding degree may be in M. E., M. Tech., M. Sc., M. Phil.

» **Ph. D. in Interdisciplinary Studies and Sustainable Development**
▪ International and Indian students with Masters/ M.Tech/ MPhil from a wide range of academic disciplines can apply, including:

Engineering (Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Chemical Engineering, Mechanical Engineering, Civil Engineering, Wireless Sensor Networks & Applications)

ELIGIBILITY **CRITERIA**

- Health Sciences (Medicine, Nursing, Pharmacy & Toxicology Dentistry)
- Biotechnology, Microbiology, Geo Sciences
- Pure Sciences (Physics, Chemistry, Mathematics)
- Environmental Science, Life Sciences, Social Sciences
- Business & Management

» **Ph. D. in Cognitive Sciences & Technology**
International and Indian-citizen students from a wide range of academic disciplines can apply, including:

- Computer Science, Artificial intelligence and Machine Learning
- Electronics and Communication and Instrumentation Engineering
- Neuro Cognition, Robotics, Mechanical Engineering
- Biomedical engineering, Brain and cognitive science

ELIGIBILITY CRITERIA

All applicants are expected to have strong academic records

ELIGIBILITY **CRITERIA**

PART **TIME PHD**

» Applicants who have a full-time appointment at Amrita Vishwa Vidyapeetham or at another academic/ R&D organization are eligible to apply for part-time admission.

» Other eligibility requirements of such applicants are same as full time applicants.

» Part Time students are permitted to proceed at a slower pace in completing their doctoral requirements.

Specialized part-time program

■ Currently offered in Sustainable Development and Interdisciplinary Studies

■ Offered exclusively to Central Agencies and National Research Institutes' employees

■ For details visit https://amrita.edu/admissions/doctoral/interdisciplinary-studies/

INTEGRATED **PHD**

» In order to encourage exceptional students in Bachelor's and Master's programs at Amrita, students are allowed to pursue Ph.D, and can be considered for Integrated Ph.D. admission.

» Completion of undergraduate degree is mandatory for such applicants.

DUAL DEGREE **PHD**

Applications for dual degree admissions are solicited as and when opportunities for such admissions become available at the International Partner Universities (IPUs) like

- SUNY Buffalo, USA
- Politecnico di Milano, Italy
- Vrije University, Amsterdam
- TU Delft, Netherlands
- University of New Mexico, USA

DURATION FOR THE **PHD**

Duration for the Ph.D. depends upon the student's qualifications at the time of admission and the category of admission.

- For full time students: three to six years
- For part-time students: five to eight years
- For integrated students: four to six years
- For dual degree students: four to six years

ADMISSION **PROCESS**

- Generally admissions to doctoral programs take place twice a year
- For important dates regarding admissions visit **www.amrita.edu/doctoral**
- Interested Candidates should apply online at **https://aoap.amrita.edu/phd-22/index/**
- Selection are currently based on online interview and academic record
- International students can apply at **https://aoap.amrita.edu/international/index/**

At Amrita Vishwa Vidyapeetham Over 500+ Scholarships are Open Under

» Chancellor's Scholarship
» Dean's Fellowship
» International Scholarships
» Industry Sponsored Scholarships
» Research and Teaching Assistant Scholarships

» **Amrita Vishwa Vidyapeetham PhD Scholarship**
(for Full-Time only)
From Rs. 18,000 to 40,000 per month stipend. Additional support for research infrastructure, facilities and publications.

» **Visvesvaraya Scholarship**
Upto Rs. 43000 per month stipend alone. Additional support for research infrastructure, facilities and publications.

» **International Internships**
Additional stipends during International internships at Partner universities in Europe, Australia, Asia and US

» **Amrita E4LIFE International PhD Fellowships**
100 fully funded fellowships upto Rs 25 Lakhs for International and Indian students joining full-time PhD program under the various thematic areas of Sustainable Development

TYPES OF **SCHOLARSHIPS**

Amrita provides scholarships specifically for international students also

INTERNATIONAL
COLLABORATIONS

>> Over the years, Amrita Vishwa Vidyapeetham has developed working relationship with many of the best universities in the world

>> Amrita collaborates with many renowned foreign universities in many diverse fields of knowledge like engineering, security, communication, medicine and social sciences

International Opportunities

>> Funded PhD opportunities with various institutions in Europe:
  >> University of Trento, Italy – For All engineering, Sustainability, and Gender studies
  >> Valencia Polytechnic University, Spain – For Industrial and Telecommunication Engineering
  >> Merging Voices Erasmus + (composed by four Portuguese Institutions: NOVA University Lisbon (NOVA), Universidade do Porto (UP), Universidade de Trás-os-Montes e Alto Douro (UTAD) and Universidade do Algarve (UAlg).) - For All Engineering, Business Schools, Gender Studies

>> Opportunities for PhD scholars to visit international universities for working on joint publications.

>> PhD student exchange programs with universities for international experience

>> Opportunity for double degree, joint degree and cotutelle degree with international universities

Campus	Amritapuri	Bengaluru	Coimbatore	ASAS Kochi	Mysuru	Chennai
Tuition Fee (Per Annum) External Scholars	30,000	30,000	30,000	30,000	30,000	30,000
Tuition Fee (Per Annum) Internal Scholars	20,000	20,000	20,000	20,000	20,000	20,000

ADVANTAGE AT AMRITA

» Ranked 5th Best University in India
(NIRF Rankings 2022)

» Wide Range of Research Areas to Choose from

» Exchange Opportunities with 200+ International Academic Institutions

» Dual Ph.D. Programs with International Universities

» Additional Support Provided for Research Infrastructure, Facilities, and Publications

» Scholarships are provided for conference registration, open access journal submission etc

For queries, please write to
phd@amrita.edu

Candidates interested in PhD in Health Sciences,
may write to
researchsecretary@aims.amrita.edu
pgphsr@aims.amrita.edu

Biotechnology
biotech@am.amrita.edu

For PhD in Ayurveda
pgadmissions@ay.amrita.edu

For candidates interested in Management (MBA)
asbphd_admission@cb.amrita.edu (Coimbatore Campus),
domphd_admissions@am.amrita.edu (Amritapuri Campus),
asbphd_admission@blr.amrita.edu (Bengaluru Campus),
domphd_admission@asb.kochi.amrita.edu (Kochi Campus)

For PhD in Cognitive Sciences Technology
phdadmissions@ammachilabs.org

For PhD in Sustainable Development / Interdisciplinary Studies
ispgpoffice@amrita.edu

For PhD in Philosophy/Spirituality
amritadarshanam@am.amrita.edu

For Dual-Degree PhD
international@amrita.edu

For PhD in Social Work
Amritapuri : **mswamritapuri@am.amrita.edu**
Coimbatore : **mswadmissions@cb.amrita.edu**

CONTACT **US**