

Ahmedabad
University

MSc

Master of Science

Economics

Specialising in Data Science



www.ahduni.edu.in

AMRUT MODY SCHOOL OF MANAGEMENT

Ahmedabad University

Recognised as

**CENTRE OF
EXCELLENCE**

by Education Department,
Government of Gujarat

NAAC-"A"
Accredited University



**GSIRF
2021 - 22**

Gujarat State Institutional Rating Framework

by Education Department,
Government of Gujarat

Be Future Ready with AI and ML for Data-driven Policies

About Us

Ahmedabad University¹

- Established in 2009
- Leading private, non-profit research university
- Liberal education focused on interdisciplinary learning, practice orientation, and research thinking
- Prepares critical thinkers who are analytically equipped, practically oriented, and contextually aware global citizens
- Six schools and eight centres bringing liberal arts, sciences, and the professions to engage together in knowledge creation for addressing complex challenges of the society.
- Curriculum offering majors that merge the boundaries of disciplines to prepare students for the new economy.

Amrut Mody School of Management

The Amrut Mody School of Management (AMSOM) at Ahmedabad University offers wide-ranging, multi-faceted management education through undergraduate, graduate, doctoral, and certificate programmes. Designed closely with industry partners, the programmes balance rigorous practice and strong conceptual education. The programmes advance the understanding of management practice through interdisciplinary inquiry and prepare responsible leaders with a contextual understanding who can develop impactful, innovative solutions for complex societal challenges.

Graduate Programmes

- Master of Business Administration
- Master of Management Studies in Heritage Management
- Master of Science in Economics
- Master of Science in Quantitative Finance



* The University Grants Commission, in its letter dated 28 July 2010 F. No. 8-13/2010(CPP-I/PU), has notified that Ahmedabad University, Navrangpura (Gujarat), has been established by an Act (No. 8 of 2009) of the State Legislature of Gujarat as a State Private University and is empowered to award degrees as specified by the University Grants Commission under Section 22 of the University Grants Commission Act 1956.



Why Study Master of Science in Economics Programme at Ahmedabad University?

A graduate degree in Economics at Ahmedabad University helps students:

- Opportunity to get hands-on learning experience through one to one mentoring from faculty in the Capstone Project or Thesis.
- Student-centric learning through freedom to choose multidisciplinary electives across the subject lines.
- Offers a wide basket of cutting-edge elective courses on emerging topics in Economics and specializing in Data Science.
- Comprises unique studio courses and an internship programme offering problem-solving experience and industry engagement.
- Prepares for jobs in the analytics domain, financial sector, data science, policy analysis, management consultancies, and accounting firms etc.



Message from the Distinguished University Professor



Keynes while talking about economics as a discipline said, [Economics] "is a method rather than a doctrine, an apparatus of the mind, a technique of thinking, which helps its possessor to draw correct conclusions." The Master of Science in Economics programme at Ahmedabad University fully reflects this approach. The programme is designed to equip the students with analytical skills flowing from economic theory, combined with a good understanding of statistical theory and techniques to analyse data and test hypotheses. The offer of a number of electives helps specialisation in multiple areas.

Professor C Rangarajan

PhD (University of Pennsylvania)

Distinguished University Professor
Amrut Mody School of Management
Ahmedabad University

Former Governor of the Reserve Bank of India

Message from the Dean



The Masters of Science in Economics (MSE) programme at AMSOM is a unique programme that enables the application of economic principles in a data-driven world. Students learn to use economic theory and contemporary quantitative skills to analyse and solve economic problems of the 21st century.

Graduates of the programme can plan for careers in academia, insurance and banking industry, think tanks, credit rating and financial sector.

Professor Shobha Das

PhD (University of Minnesota)

Dean
Amrut Mody School of Management
Ahmedabad University



Message from the Senior Associate Dean Graduate Programmes



Data Science holds the potential to enrich traditional economics with new types of data and new methods to analyse them. The focus on establishing causal relationships can be broadened to rigorous predictive modelling of the likely impact of economic policies and interventions using large volumes of observational data. The widespread diffusion of open-source software for statistics and machine learning has made such modelling accessible to all.

Professor Amit Das

PhD (University of Minnesota)

Professor & Senior Associate Dean, Graduate Programmes
Amrut Mody School of Management
Ahmedabad University



Message from the Programme Chair

Master of Science in Economics



“Our new curriculum of MS Economics is perhaps the first Master’s programme in India offering Economics blended with Data Science to equip you with the sophisticated tools of computing Big Data.

Through the core courses of quantitative techniques and contemporary electives on upcoming fields, the goal of the programme is to shape your career for a future into someone who can carry both the critical eye of a social scientist and the computational hand of a data scientist, to tackle any novel challenge of the 21st century economy.

With a solid base in economic fundamentals, a wide range of electives in contemporary and emerging domains, like from Inequality to Public Health, or Machine Learning to Climate Change, makes this programme stand apart.

The step by step foundation of core courses in the first year and electives in the second year, complemented with the Problem Studio, Data Studio and Survey Methodology courses equip every student for a potential employment in any sector of their dream. Hands on learning experience from the Summer Internship and Thesis or Capstone Project add a competitive advantage to be future ready for the workplace.

The option of Management electives is another highlight of the programme which marks the thrust on Business Analytics preparing students to choose their most sought after careers in the Analytics industry and the corporate sector. The Finance courses help to make a career in banking management and investment sectors as well.

The unique advantage of studying in Ahmedabad University is the opportunity to explore courses beyond subject borders, attend lectures by faculty across Schools, sit with peers across programmes, and thereby to engage and foster an interdisciplinary conversation and build a multidisciplinary perspective.”

Professor Abhinandan Sinha

PhD (Indian Statistical Institute, Kolkata)

Assistant Professor
Amrut Mody School of Management
Ahmedabad University



Master of Science in Economics

Economists require interdisciplinary skills to address societal and economic problems. They must be trained in theory and data analytics to critically analyse and evaluate real-world issues in micro and macro contexts concerning human and firm behaviour in multiple domains, including finance, industrial organisation, education, health, and the environment.

The Master of Science in Economics (erstwhile MA in Economics) programme is mentored by Dr Chakravarthi Rangarajan, former Governor of the Reserve Bank of India (RBI). It prepares students for addressing complex questions through a deep understanding of economic theory and its application through rigorous data analysis. It trains them in the application of economic models and tools to meet the changing needs of industry corporations, the financial sector, and policy institutions.

Programme Highlights

- One of the earliest MS Economics programmes in India specialising in Data Science
- Learn from faculty with extensive research experience, foreign exposure and practical knowledge across economics, finance, data analytics, and public policy.
- Builds capabilities for employment in industry, Government and public sector, think tanks, and designed to foster research ambition acting as a pathway to join PhD programmes or research positions in the industry or academia.
- Opportunity to attend regular seminar series where speakers from different domains and countries share their research and participate in the Annual Economics Conference attended by internationally acclaimed researchers and policymakers.
- One of the most innovative Graduate programmes in India to integrate a solid foundation of Economics with cutting-edge techniques of Artificial Intelligence and Machine Learning.

Programme Overview

Requirements

- Minimum Credits: 80 credits and Minimum CGPA: 2.00.

Credits

Programme Core **38**

- 19 credits in the 1st Semester
- 13 credits in the 2nd Semester
- 6 credits in the 3rd and 4th Semesters

Summer Internship **3**

Dissertation Route **39**

If a student qualifies for writing a Thesis and opts to do so, she will receive 12 credits for a dissertation and 27 credits from courses in the 3rd and 4th semester.

OR

**Capstone Project
Route** **39**

If a student is not qualified to write a Thesis or does qualify but opts out of it, then she will receive 6 credits from a capstone group project and 33 credits from courses in the 3rd and 4th semester.

TOTAL **80.0**



Core Courses

Course Name	Skill	Credit
Mathematical Methods	Foundation in Quantitative Skills	3
Descriptive and Inferential Statistics		1.5
ANOVA and Regression		1.5
Computer Programming using R and Python	Foundation in Computational Skills	1
Data Analytics Lab and Quantitative Tutorials		1
Microeconomics I	Foundation of Economic Theory	3
Microeconomics II		3
Macroeconomics I		3
Macroeconomics II		3
Introduction to Artificial Intelligence	AI Skills	3
Artificial Intelligence for Business		3
Machine Learning for Policy		3
Econometrics	Data Analysis Skills	3
Time Series		3
Empirical Research Methods		3

Summer Internships

A learning-oriented work experience with a company that is to be completed between the first and second year.

Electives

Economics Electives	
Game Theory	Institutional Economics
International Trade	History of Economic Thought
Public Economics	Market Design
Network Economics	Indian Economic Development
Labour Economics	Development Economics
Health Economics	Industrial Organisation
Economics of Technology and Innovation	Models of Political Economy
Globalisation and Development	Economics of Education
Agricultural Economics	Law and Economics
Environmental Economics	Monetary Economics
Energy and resource economics	Economics of Discrimination

Finance Electives	
Securities Analysis & Portfolio Management	Advanced Corporate Finance
Fintech and Financial Services	Derivatives and Risk Management
Financial Modelling and Randomness	International Finance



Electives

Data Science and Technology Electives	
Big Data Applications	Applied Stochastic Processes
Advanced Econometrics	Survey and Methodology
Simulation	International Finance

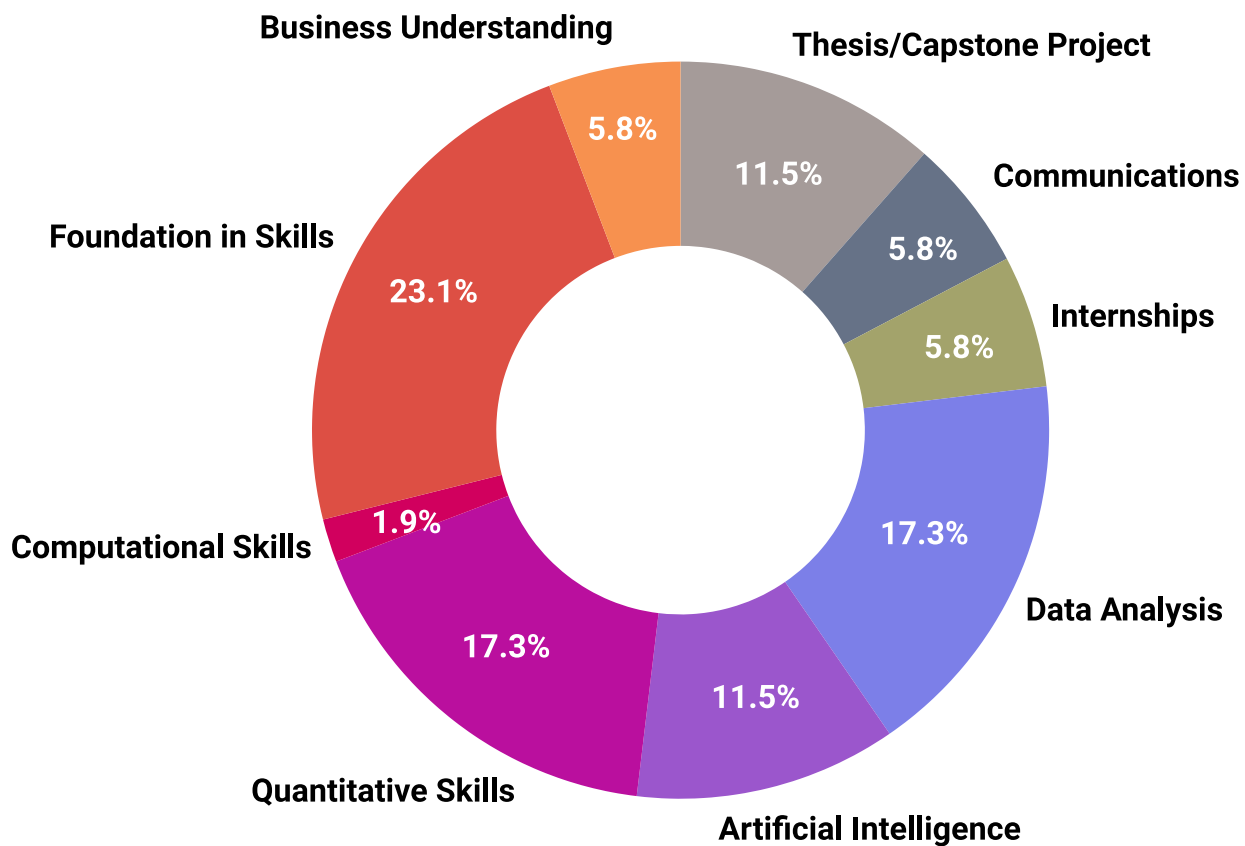
Problem Studio

Sustainability and Circular Economy, Urban Informal Economy.

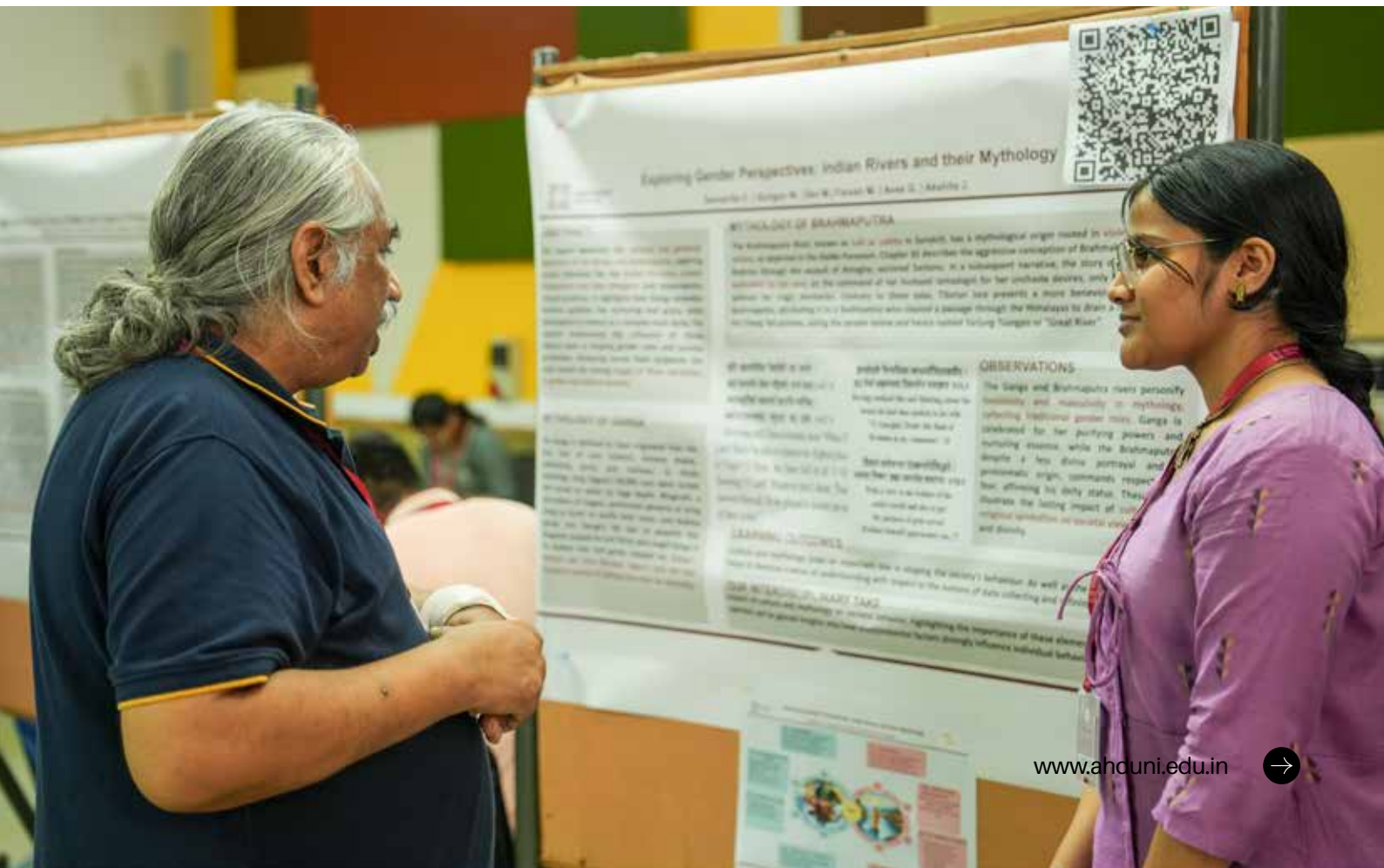
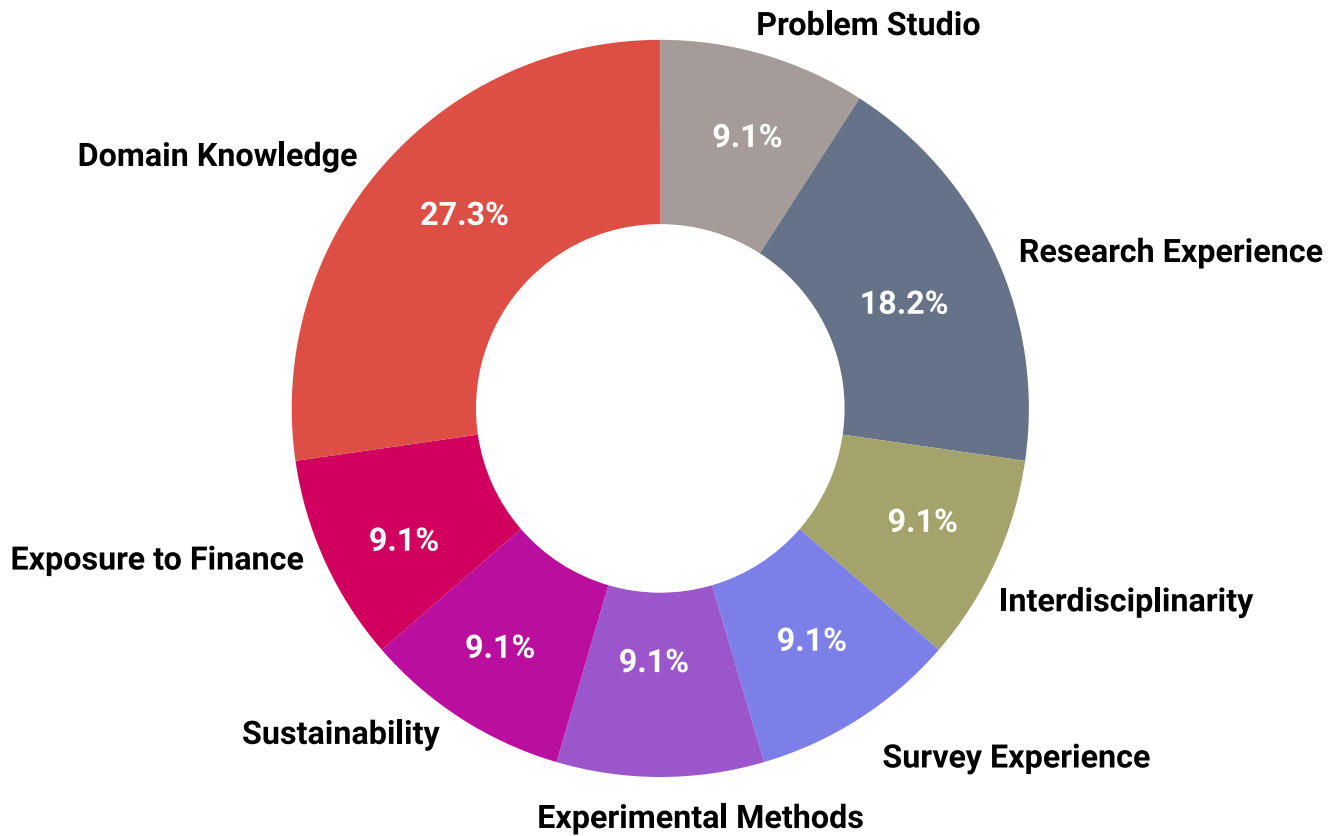
Thesis/Capstone Project

Hands-on learning of academic research through an individual dissertation under the supervision of a faculty member of the university/A group of a maximum three students doing a Capstone project under the supervision of a f

Credit Distribution of Core Skills



Credit Distribution of Skills from Electives



Faculty



Bhargav Adhvaryu

**Professor and
Programme Chair
PhD in Management**

PhD
(University of Cambridge)



**Gaurav
Bhattacharya**

**Assistant Professor and
BA Economics Major
Advisor**

PhD
(Jawaharlal Nehru University)



**Aranya
Chakraborty**

Assistant Professor

PhD
(McGill University)



Sugat Chaturvedi

Assistant Professor

PhD
(Indian Statistical Institute,
Delhi, India)



Rakesh Chaturvedi

Associate Professor

PhD
(Pennsylvania State
University)



Amit Das

**Professor & Senior
Associate Dean,
Graduate Programmes**

PhD
(University of Minnesota)



Sabyasachi Das

Associate Professor

PhD
(Yale University)



Supratim Das Gupta

Assistant Professor

PhD
(University of South Carolina)



Kinshuk Saurabh

Associate Professor

Fellow Programme
in Management (IIM
Ahmedabad)



Abhinandan Sinha

**Assistant Professor
and Program Chair, MS
Economics**

PhD
(Indian Statistical Institute,
Kolkata)

Faculty



Amit Singh

Assistant Professor

PhD
(IIT Kharagpur)



Rahul Singh

Professor

PhD
(IIM Bangalore)



Mita Suthar

**Associate Professor
and Controller of
Examinations**

PhD
(Gujarat University)



Ishita Tripathi

Assistant Professor

PhD
(Louisiana State University)



Jeemol Unni

**Professor and Former
Director, Institute of Rural
Management, Anand**

PhD
(Gujarat University, India)



Rahul Rao

Assistant Professor

PhD
(IIM Bangalore)



Abhitesh Ranjan

Visiting Professor

PhD
(University of Minnesota)



Moumita Roy

Assistant Professor

PhD
(George Mason University)



Sonal Yadav

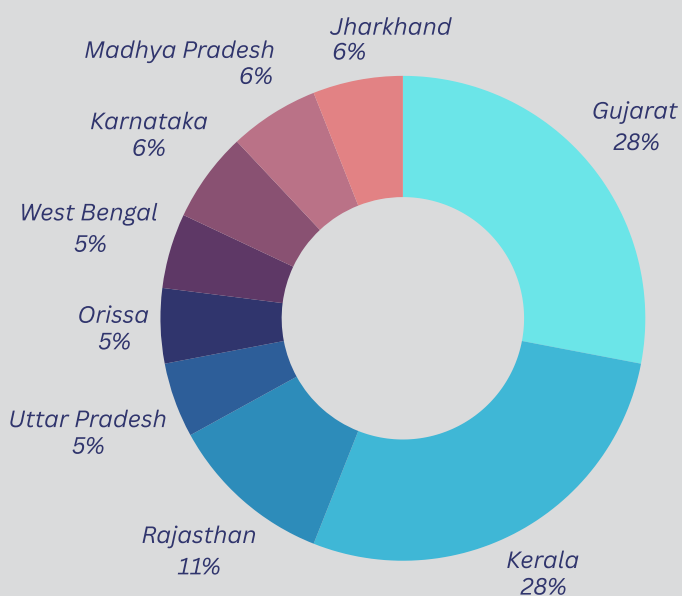
**Assistant Professor,
Coordinator of Economics
and Public Policy Area**

PhD
(Gujarat University)

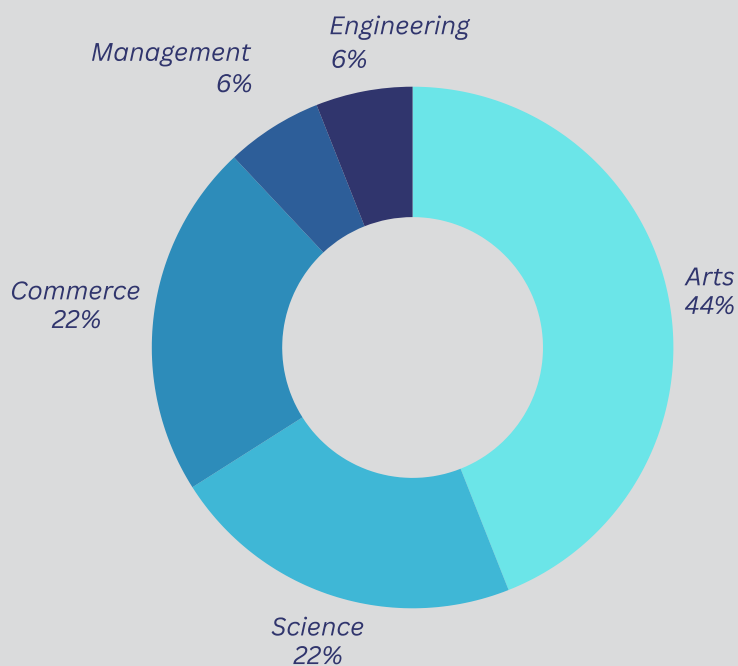


Class Profile

Geographic Diversity



Academic Diversity



Master of Science in Economics

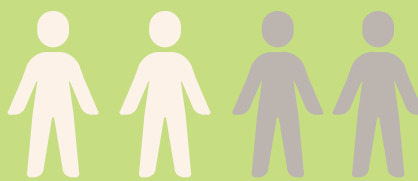
Work Experience

30%

Age Profile

20 - 26 YEARS

Gender Diversity



Female (50%)

Male (50%)





Career Prospects

Adsolut Media DSP

Asset Managers

NielsenIQ

Verity Knowledge Solutions

Arvind Limited

Dun & Bradstreet

National Stock Exchange of India (NSE)

HDFC Bank

Bandhan AMC

Federal Bank

Quicko

Elara Capital

Centre for Monitoring Indian

Economy (CMIE)

Healthark Insights

Sameeksha Capital SvatantraMHFC

Master of Science in Economics

STUDENT TESTIMONIAL

The liberal approach of Ahmedabad University fosters interdisciplinary learning, offering me the freedom to explore diverse subjects, which has enriched my academic experience. The university's state-of-the-art infrastructure, smooth functioning, and welcoming community create an environment that encourages personal and intellectual growth.

The MA Economics programme at the University is exceptionally well-structured, providing a perfect blend of theory and practical applications. The quality of professors and the level of academic discourse challenge and inspire deep analytical thinking, making the learning experience highly enriching.



Rahul Preman

Class of 2026
Ahmedabad University

STUDENT TESTIMONIAL

My experience with Ahmedabad University's MA Economics programme has been great. The curriculum is updated every semester with new innovative and industry-relevant courses, such as research methods, AI, and machine learning. The evaluation approach is customised based on the course, to capture the best learning outcomes. The University's unique liberal education environment encourages overall growth and contributes to new perspectives on our learning. Finally, the faculty's continuous support and guidance have proven invaluable. Their industry expertise adds real-world context to classroom discussions, broadening our understanding of the subject.



Bhavani R

Class of 2025
Ahmedabad University



Career Development Centre

The Career Development Centre (CDC) at Ahmedabad University prepares students for successful careers by offering access to significant resources enabling them to explore, discover, develop, and pursue personal and professional goals, while facilitating their connection to the corporate world in alignment with those goals.

CDC is committed to working with students across various levels of career development, ranging from interest to assessments, networking opportunities to job searching strategies, and all other requirements.

Role of the CDC

The objective of the CDC is to:

- Help build a solid and active University-industry interface;
- Enhance students' career readiness through coaching, counselling, instruction, innovative programming, and aligning with prevalent industry trends;
- Organise various forums for students and faculty to engage with the industry, such as guest lectures, career masterclasses, workshops, seminars, conferences, and projects;
- Provide experiential learning opportunities to students through internships;
- Assist students in achieving their career goals by connecting them with recruiters; and
- Promote a sense of responsibility among students for lifelong career development efforts through exploration, education, and experience.

How Can the CDC Help You?

The CDC offers support to students in the following areas:

- Career counselling, guidance and planning
- Career assessment and testing
- Career development workshops and interactions with industry leaders
- Industry engagement (guest lectures, seminars, and research projects, among other things)
- Placement and internship assistance
- Campus-to-corporate training, including:
 - o Professional grooming sessions;
 - o Personality development workshops;
 - o Communication proficiency interventions;
 - o Resume writing workshops;
 - o Mock group discussions and personal interviews;
 - o Quantitative, analytical and logical practice tests; and
 - o Aptitude practice tests.



AHMEDABAD UNIVERSITY

Campus Infrastructure

The Ahmedabad University campus offers a modern, sustainable, and fully networked environment designed to enrich the learning experience. The state-of-the-art infrastructure at the University includes modern and technically equipped classrooms, laboratories, a central library, and other learning resources. It provides comprehensive facilities for student well-being, including accommodation, sports facilities, cafes, spaces for recreation, and a wellness centre.

The award-winning University Centre is a vibrant hub for exchange of ideas, informal meetings, and social events. The eco-friendly campus, characterised by a rich biodiversity, has implemented sustainability strategies to enhance resilience against extreme heat, reduce water runoff, and augment green spaces for the entire community.

Accreditations and Awards

- Recognised by the Government of Gujarat as a Centre of Excellence.
- Accredited with an 'A' grade by the National Assessment and Accreditation Council (NAAC).
- Awarded a 5-star rating, the highest awarded in the Gujarat State Institutional Rating Framework (GSIRF) for 2021-22 by the Knowledge Consortium of Gujarat (KCG), Department of Education, Government of Gujarat.
- Recognised by the UGC under Section 12(B) of the UGC Act, becoming one of the few private research universities to have been awarded this recognition for select research universities.
- Recognised as a Highly Commended University for Teaching and Learning Strategy of the Year in the Times Higher Education (THE) Awards Asia 2023.
- Awarded the Association to Advance Collegiate Schools of Business (AACSB) Innovations That Inspire Award 2023 for its Foundation Programme.
- Awarded Gold Rating by the Indian Green Building Council for achieving the Green Building Standards at our University Centre.
- Awarded the Royal Institute of British Architects (RIBA) International Award for Excellence 2024 for our University Centre.

Life at Ahmedabad

Fuel your talent with Ahmedabad University's student clubs and associations, designed and curated to facilitate participation in various co-curricular activities, academic associations, and social and cultural events. These clubs aim to enhance your university experience, enabling you to imbibe leadership qualities, create lifelong bonds, and connect with your peers based on shared interests. These clubs will help you hone your skills, nurture your interests, and build networks. The University hosts several academic, social, and cultural activities, providing a platform across programmes to showcase your intellectual and creative competencies.



Student Housing and Residential Life

Student Village, the Ahmedabad University student residency, offers all the facilities that a student needs or expects. It is committed to providing simple, comfortable, and secure living. The hostel symbolises the building of a community with respect for diversity in ideas, ways of living, food preferences, cultural practices, languages, and religions.

Located within a radius of one kilometre from Ahmedabad University's Central Campus, the hostel offers twin sharing, air-conditioned accommodations with shared dining halls, courtyard, and recreational spaces. The hostel is subject to a three-tier security network, including guards, CCTV surveillance, and door alarms. Additional facilities include laundry, transportation to and from the campus, on-call medical services, internet, and more.



Admissions

Eligibility

- Candidates with a Minimum 55% marks or equivalent CGPA across Class 10, Class 12/Diploma and bachelor's degree are eligible to apply. Final-year students graduating in 2025 are also eligible to apply.
- Candidates who have appeared for any one of the following entrance exams – CAT 2024, XAT 2025, NMAT 2024, CMAT 2025, GMAT 10th Edition, GMAT Focus Edition, GRE, GATE, JAM 2025, CUET-PG (COPQP10 or SCQP19)
- Candidates who haven't appeared for any one of the above entrance tests or have low scores can appear for AMSOM-PG Aptitude Test conducted online via Mettl. You can indicate this option in your application form.

Selection Process

- Eligible candidates can submit an online application form with a payment of INR 1200 as application fees (non-refundable).
- Candidates can submit their application without a score and update the entrance test scores by 15 May 2025.
- Shortlisted candidates will be called for faculty interaction on campus or online.
- Based on holistic assessment, offers will be made to deserving candidates.

Fee Structure and Financial Aid

Please scan the QR code to view the fees and the financial aid.



FAQs

- **Do I need to obtain a minimum score in entrance tests?**

No, shortlisting will be based on your overall profile.

- **Can I also appear for the AMSOM PG Test conducted by Ahmedabad University?**

Yes, you can also take the online AMSOM PG Test; we shall consider the best scores.

- **Can I apply with a CUET-PG or JAM 2024 score?**

No, only CUET-PG 2025 and JAM 2025 scores are valid for admission to the Class of 2027.

- **Do you have any quotas?**

No, admission is based only on merit.

- **How will the faculty interaction be conducted?**

Interaction with the faculty will be conducted on campus or online.

- **Is there a fee for taking the online AMSOM PG Test?**

No.

- **Can I apply with a CAT 2023 score?**

No, only CAT 2024 scores are valid for admission to the Class of 2027.

- **Do I need to submit my application in one go?**

No, you can save your application on the student portal and come back again to submit it.

- **Will my work experience in family business be counted?**

Yes, your experience post-completion of your bachelor's degree in your family business will be considered.

- **I could not make it in the first round. Can I apply again?**

No, you can only apply once in the admission cycle.

- **Do you have any quotas?**

No, admission is based on merit only.

- **Can freshers apply?**

Yes, freshers can apply for the MS Economics programme.

- **Does Ahmedabad University offer housing facilities for outstation students?**

Yes, we offer a student housing facility.

- **Is it mandatory for all students to stay at the student residences?**

No, it is not mandatory to stay at the student housing offered by Ahmedabad University

- **How far is the campus from the hostel?**

The housing facility is within 1 km.

- **How will I travel from the campus and residence, or vice versa? Will it be charged?**

A free bus shuttle service is available for the students.

- **Are scholarships available?**

Yes, every enrolled candidate will get a bursary of INR 75,000/- which will be adjusted against the second semester fees.

In addition, students can also take up teaching assistantship (TA-Ship) for which you get an additional INR 50,000/- per year. This reduces your overall tuition fees by 50%.

- **Will I get a Master's degree or Diploma?**

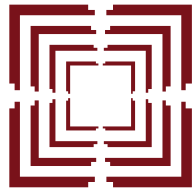
Post completion of the required credits, you will be awarded a Master's degree from Ahmedabad University.

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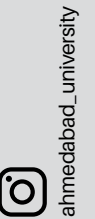
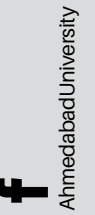
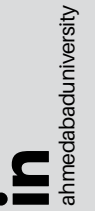








Ahmedabad
University



Office of Graduate Admissions

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Start Your Application Today