



Ahmedabad  
University



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## Why Ahmedabad?

### A PRIVATE UNIVERSITY WITH A PUBLIC ETHOS

Ahmedabad University is a private, non-profit institution located in the heart of one of India's most dynamic, entrepreneurial, and fast-growing cities. It was established in 2019 by the 87-year-old Ahmedabad Education Society. The University offers top facilities and a diverse range of programmes across disciplines. Besides engineering, it has the School of Arts and Sciences, School of Public Health, and Amrut Mody School of Management. Ahmedabad University strongly supports interdisciplinary knowledge, holistic development, and real-life experiential learning.

The liberal arts education at Ahmedabad University is:

### INTERDISCIPLINARY

Students have the opportunity to combine different ways of looking at the world. To provide unsurpassed opportunities to our students so that they can sharpen their skillset and deepen their knowledge through research is the motto on which our graduate education functions. With an exemplary faculty guiding them, students learn through a practical approach involving multiple disciplines. Listed here are the Masters programmes at Ahmedabad offers which provide deep, interdisciplinary education that builds skills and perspectives.

### RIGOROUS

Ahmedabad is a research University. All faculty are actively engaged in research at the forefront of their disciplines. Students are encouraged and supported to pursue their own research.

### HANDS-ON

Students experience hands-on learning to engage with real-life challenges building skills for a lifetime.

Find out more about our distinctive approach to higher education by scanning the QR code provided in the leaflet.

## Apply Now!

### ELIGIBILITY

An graduate with a BE / BTech (CSE / ECE / ICT / IT), MSc (Maths), MSc(Statistics), MCA , MSc(IT), MSc(ICT), BS(CS) degree can join this MTech programme. A valid GATE Score in CSE / ECE / IT OR an entrance examination conducted by Ahmedabad University. Interviews may be conducted as a part of the selection process.

### FINANCIAL AID

At Ahmedabad University, we believe that finances should not stand in the way of pursuing education. Students needing additional financial assistance can opt for a Fellowship, under which they are required to undertake Teaching Assistantship under a faculty member assisting them in teaching.

### CAMPUS LIFE

Ahmedabad University will make arrangements for accommodation and food on payment basis. The Campus has sports facilities for badminton, squash, basketball, volleyball, gym, etc. Excellent library and reading room facilities are available. Workstations, computing power, and software packages are available to students.

Visit | [www.ahduni.edu.in](http://www.ahduni.edu.in)

### Office of Graduate Admissions

Ahmedabad University, Navrangpura, Ahmedabad 380009

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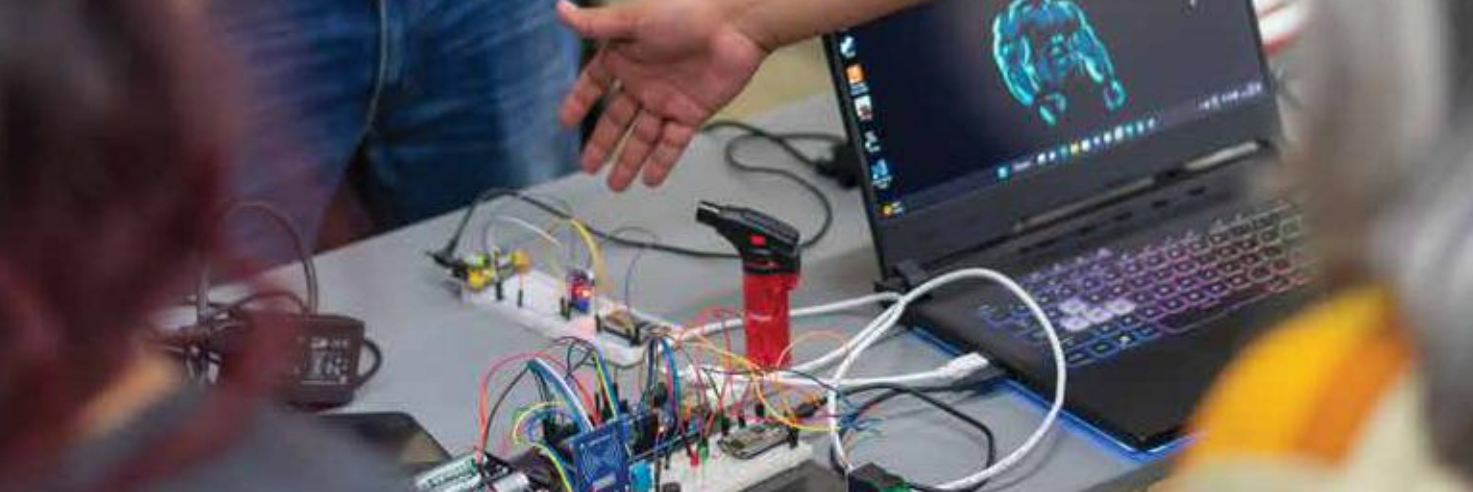
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MASTER OF TECHNOLOGY

COMPUTER SCIENCE  
AND ENGINEERING

SCHOOL OF ENGINEERING AND APPLIED SCIENCE



## Mastering Computer Science and Engineering Marvels

The School of Engineering and Applied Science at Ahmedabad University is offering a Masters of Technology program in Computer Science and Engineering with specialisation in **Data Science and Analytics** as well **Artificial Intelligence** from the academic year 2024-2025.

Recent times have witnessed rapid advances in Computer Science and Engineering. It would not be an exaggeration to say that we are at the next inflection point in the impact of technology on our daily lives.

The specialisation in Data Science and Analytics trains students in applied mathematics, statistics, computer science, and apply their learnings to real-life domains such as finance, energy, supply chain, agriculture, and ecommerce. Data Science is concerned with the collection, preparation, analysis and visualisation of large collections of information -- including multimodal and unstructured -- for insights.

A few specific applications of Data Science are:

- Optimizing Food Delivery (Transportation and Logistics)
- Making Predictive Insights in Basketball (Sports)
- Personalizing Treatment Plans (Healthcare)
- Digital Marketing and Advertising
- Internet Search
- Gaming

The specialisation in Artificial Intelligence (AI) trains students to develop AI-based approaches to solve hard real-world problems. Students will learn state-of-the-art techniques in Computer Vision, Natural Language Processing, Medical Image Analytics and Deep Learning. Recent exciting advances in AI have been demonstrated in:

- ChatGPT
- Alexa
- ELSA
- Dall-E

A unique feature of this MTech programme is that the students also have an opportunity for a one-year industry/on-campus thesis option, paving the way for a successful career in the Industry or Academia.

## Faculty

Faculty from School of Engineering and Applied Science, Ahmedabad University will teach along with highly experienced professionals from related industries.

## Programme Structure

The MTech programme will provide the student a fitting combination of breadth and depth in Computer Science, both in terms of the areas covered, as well as the balance between theory and practice. The course work will be equip students with mathematical, hands-on, data science oriented skills and offer an opportunity for a real-life 1-year industry-based thesis.

## Career Pathways

Upon completion of the MTech programme, graduates have a mastery over the use of tools, techniques, modelling and problem solving for real-life industry problems and will be able to contribute significantly to the industry, and subsequently rise to leadership positions. Career Development Centre of Ahmedabad University facilitates placements.

