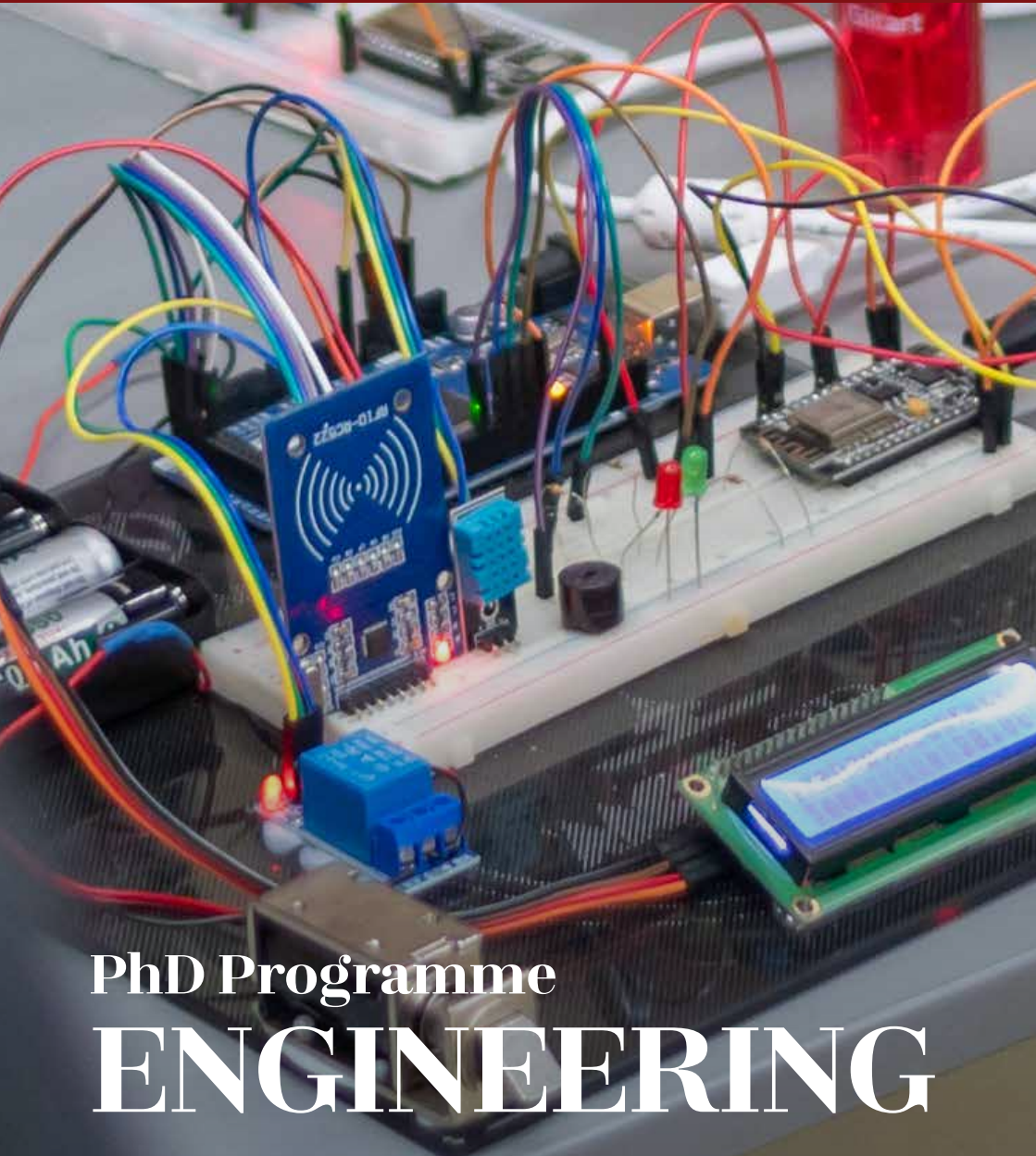




Ahmedabad
University

SCHOOL OF ENGINEERING AND APPLIED SCIENCE



PhD Programme

ENGINEERING



About Ahmedabad University

Ahmedabad University is a private, non-profit institution established in 2009. We provide a liberal education, preparing students to reflect deeply and creatively across fields to become independent thinkers and compassionate leaders. This unique learning process is mediated by projects, fieldwork and a belief that a strong theoretical grounding leads to robust practice. As a student-centric, research university, we are committed to the discovery of ideas that can enhance our understanding of issues facing our world at the intersection of various axes of influence defined by: disciplines (data, materials, biology, and behavior), nature (air, water, forests, and land), sectors of impact (health, transport, energy, and education) and society (individual, community, civilization and constitution).



About School of Engineering and Applied Science

The School of Engineering and Applied Science aims to support research and innovation conducted by its faculty and student community, as well as enhance the quality of their interaction with industries and professional organizations. At the School, faculty are encouraged to establish research groups, be involved in institution building, innovate, consult and conduct collaborative research. The doctoral programme at the School of Engineering and Applied Science of Ahmedabad University offers an interdisciplinary exposure to research and provides the students an opportunity for building a career in academia or R&D sectors of industry. Faculty members of the School of Engineering and Applied Science are actively involved in research and project-based-teaching and have been awarded research grants from government funding agencies and industry, as well as internal research grants from Ahmedabad University.



RESEARCH AREAS

The areas for research at the School of Engineering and Applied Science, Ahmedabad University include but are not limited to:

CHEMICAL ENGINEERING/ APPLIED CHEMISTRY

- Air Pollution
- Catalysis
- Computational Fluid Dynamics
- Energy Storage and Carbon Capture
- Process Integration
- Water Treatment
- Material Science
- Surface Science and Nanotechnology
- Renewable Energy

MECHANICAL ENGINEERING

- Machine Design
- Mechatronics
- Production and Manufacturing
- Thermo-Fluids Engineering
- Solar Energy
- Applied/Bio/Opto Mechanics
- Micro-Electro Mechanical Systems

- (MEMS)
- Additive Manufacturing

COMPUTER SCIENCE AND ENGINEERING

- Machine Learning and Computer Vision
- Algorithms and Optimization
- Data Science
- Computer Networks and Cyber Physical Systems
- Sensors, Internet of Things and Cloud Computing
- RF, Microwave Circuits and Systems
- Computer Architecture and VLSI Design
- Intelligent Transport Systems
- Communication and Signal Processing
- Metamaterials for RF and Microwave Applications, Frequency Selective Surfaces,
- Microwave Absorbers, Sensors Development and Applications, Optoelectronics,
- Photovoltaics, Luminescent Nanomaterials



Highlights of the School of Engineering and Applied Science

- More than 30 PhD students working currently and 15 students graduated so far.
- About 20 ongoing/completed externally funded research projects from DST-SERB, DST- UKERI, DST-ASEAN, UGC-DAE, BRNS as well as research projects supported by Industries
- More than 20 publications in peer-reviewed international journals in 2023-2024
- Advanced research facilities that maintain state-of-the-art equipment and instrumentation supporting a full range of materials research activities, characterization and computation
- Communications laboratory, Data Science and Analytics laboratory, Electronics, VLSI and Embedded Systems laboratory
- Talks and presentations from experts around the country are a key part of the vibrant research environment at the School

For further information about research please visit:
www.ahduni.edu.in/seas/research

Faculty Research

We have more than 35 faculty members at School of Engineering and Applied Science who pursue research at the prominent edge of their fields. Our students cultivate close working relationships with faculty devoted to the establishment of new knowledge. As they train the next generation of researchers and teachers, our faculty take the role of mentor seriously.

Overall goals of the faculty are to help students acquire the research skills necessary to develop original research studies that have direct applications. For further information please visit www.ahduni.edu.in/seas/people/faculty.



Eligibility

ME/MTech/MSc with a minimum of 55% marks or an equivalent grade. The School will conduct a written test and interview, however applicants with 90 percentile and above GATE score or CSIR-UGC-NET (JRF) will be exempted from the written test.

In exceptional cases, a candidate with a Bachelor's degree may be admitted to the programme, albeit with the requirement of completing additional credits as per the overall PhD policy of Ahmedabad University.

Financial Aid

The University awards full tuition fee waiver and financial support to all full-time doctoral students. The University also encourages Indian and foreign students to apply for funding from external sources. The financial support could be either University Assistantship or University Fellowship, or from external sources. We offer University Assistantships at INR 40,000 per month plus tuition fee waiver, and University Fellowships at INR 50,000 per month plus tuition fee waiver.

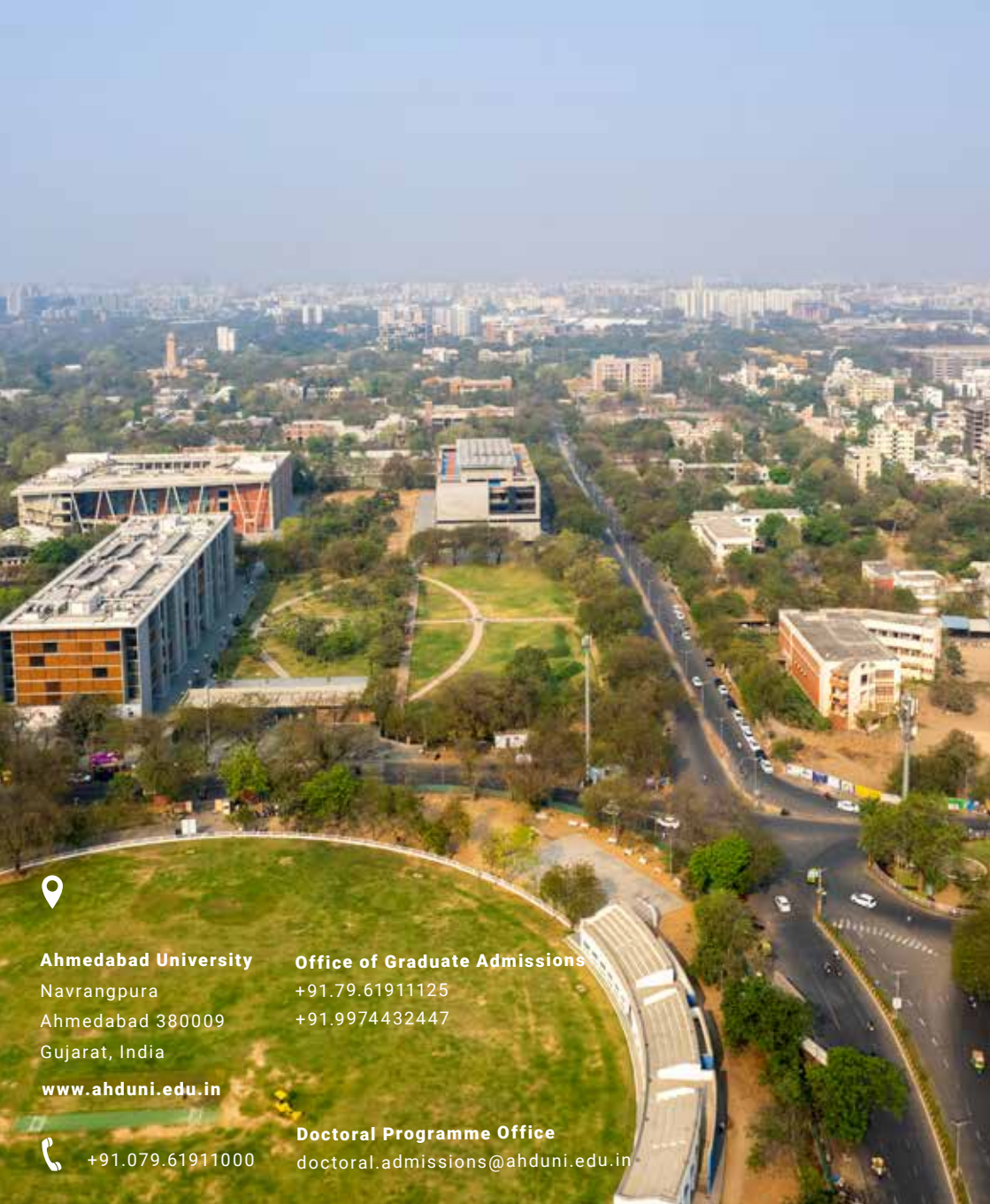
Admissions Process

Students are admitted twice a year. The online application process for the monsoon semester starts in February and the online application process for the winter semester starts in September. Submit the completed application form online along with the required fees and all supporting documents through the portal www.auris.ahduni.edu.in/adm-ahduni-doctoral.php

Eligible and qualifying candidates will be short-listed based on merit, the submitted documents, statement of purpose, and any essay (if required). They will be required to appear for a written test and/or panel interview.

The dates for written test/interview will be notified in advance.





Ahmedabad University

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