



Adani Institute of Infrastructure Engineering (AIIE)

Grooming the nation builders



Adani Institute of Infrastructure

Management • Engineering

Adani Group



Thinking Big, Doing Better

The Adani Group is one of India's leading business houses with a revenue of about \$12 billion. Founded in 1988, Adani has grown to become a global integrated infrastructure player with businesses in key industry verticals - resources, logistics, energy and agro. The integrated model is well adapted to cater to the infrastructure opportunities of the emerging economies.

Through these businesses, the Adani Group is integrated to the core of the world's largest democracy, touching millions of lives. It is India's largest port operator, largest private thermal power player, largest coal trader and mine operator. It has recently added the world's largest solar power plant to its portfolio.

Adani Group's growth and vision has always been in sync with the idea of nation building. The Group believes in delivering benefits that transcend its immediate stakeholders. It takes its responsibility towards contributing to the improvement of the society very seriously. Through the Adani Foundation, it ensures that development and progress are sustainable and inclusive; not just for the people living in these areas, but the environment on the whole. The Adani Institute of Infrastructure is an initiative taken by the Adani Foundation to fulfil the above-mentioned objectives.





Adani Institute of Infrastructure

Vision

To be a leading global academic institution in the infrastructure sector contributing to nation building

Mission

To create and disseminate knowledge in infrastructure



To develop next generation professionals



To impact practice through industry engagement and continuing education for practitioners



Adani Institute of Infrastructure

Specialised Institute for Tomorrow's Nation Builders

The Adani Institute of Infrastructure (AII) is a self-financed institution promoted by the Adani Group under AIER for educating young minds to become infra-ready technocrats and managers. For the Indian economy, good infrastructure has become a necessity for further growth and development. The Adani Institute of Infrastructure (AII) is engaged in building a leading global academic institution in the infrastructure sector that will contribute to nation building. The Institute will generate and disseminate managerial and technological knowledge of the highest value to develop the next generation of infrastructure professionals. It will also impact practice through industry engagement and continuing education for practitioners.

The Adani Institute of Infrastructure has two divisions:

- Adani Institute of Infrastructure Engineering (AIIE)
- Adani Institute of Infrastructure Management (AIIM)





From the Director's Desk

Dr. A.V. Thomas
Director,
Adani Institute of Infrastructure

Greetings to the Nation Builders of Tomorrow!

Creation of infrastructure assets and focus on capacity building is vital to any nation's growth, social and economic alike. It is becoming increasingly challenging to initiate and manage large-scale mega-investment infrastructure projects such that they contribute towards organisational aspirations as well as economic development of a country.

We, at Adani, identified this challenge as an opportunity and founded the Adani Institute of Infrastructure Engineering (AIIE), in 2015, to provide world-class engineering education. AIIE is affiliated with the Gujarat Technical University (GTU), and it is also approved by AICTE. AIIE offers 4-year Bachelor of Engineering programmes in:

- Civil and Infrastructure Engineering (CIE)
- Electrical Engineering (EE)
- Information and Communication Technology (ICT).

The Institute has set up state-of-the-art laboratories and other infrastructure facilities at the campus to provide a high-quality engineering education in the above disciplines. A strong connect with the industry, to integrate real-life engineering problems with the students' projects and coursework, is a part of the curriculum and pedagogy. Industry experts regularly interact with the students to create awareness about the infrastructure industry and nurture their career aspirations. Industry engagement of highly qualified and research-oriented faculty members of AIIE is a perfect setting for the students to lay the foundation of a long-term career based on understanding, inquisitiveness, entrepreneurship and value contribution.

I invite you to join AIIE and build a career through an exciting and holistic engineering experience. Be the nation builders of tomorrow!



Adani Institute of Infrastructure Engineering

Creating a Foundation for Tomorrow's Nation Builders

The Adani Institute of Infrastructure Engineering (AIIE) was established in 2015. The institute offers the following specialised engineering programmes:

Bachelor of Engineering (Civil and Infrastructure Engineering)

This programme is focused on creating the next generation of civil and infrastructure engineers who will play a pivotal role in addressing the crucial challenges faced by our nation and society. The programme aims to develop a strong foundation in engineering concepts and principles required for efficient planning, design and construction of related infrastructure facilities with a focus on materials, structures, transportation, water/wastewater systems, energy, etc.

Bachelor of Engineering (Electrical Engineering)

This programme is aimed at imparting knowledge in the field of electrical engineering with a focus on infrastructure related engineering and will largely cover the automation part of it. The thrust areas in engineering are electrical automation, electrical power, electrical services and energy systems. The programme plans to augment teaching and research infrastructure as well as industrial and research collaboration. It adopts modern methodologies for training students with a global perspective and creating technical manpower in infrastructural development.

Bachelor of Engineering (Information and Communication Technology)

This programme is an amalgamation of three core engineering branches namely computer engineering, information technology and electronics & communication engineering. The aim of this programme is a unified and efficient communication system, to meet modern communication requirements. It covers the storing, retrieving, manipulating, transmitting and receiving of information which is vital to infrastructure development and management.

Note: All the engineering programmes offered at the Adani Institute of Infrastructure Engineering (AIIE) are duly approved by AICTE and affiliated to the Gujarat Technological University (GTU).



Pedagogy of the Engineering Programmes

The engineering programmes at AIIE combine rigorous classroom training with practical training in laboratories. The comprehensive curriculum ensures a sound understanding of engineering fundamentals and principles. Equal emphasis is placed on practical work in the form of laboratory classes, project-based learning, industrial visits, fieldwork, etc. Programmes have a built-in provision of opportunities for students to go for industry attachment, corporate internship, field studies and surveys.

- The Core Infra Week – Every semester, one week is celebrated as Core Infrastructure Week (CIW) in which senior-level industry professionals are invited to share their knowledge and experience with budding engineers.
- International Academic Collaboration with Purdue University – The Adani Institute of Infrastructure has entered into an international collaboration with Purdue University, USA, to promote students & faculty exchange programmes, joint research, etc. to give international exposure to infrastructure students.





Faculty

The courses are taught by highly qualified faculty members with extensive academic, research and consultancy expertise as well as experience in infrastructure projects. Majority of the faculty members at the Adani Institute of Infrastructure Engineering have a Ph.D. in their respective disciplines from nationally reputable institutions. The learning experience is further enhanced by continuous interaction with industry experts, Adani Group members and practising engineers through guest lectures.

The distinguished faculty of AIIE include:

- Dr. A.V. Thomas, M.Tech. (Civil Engg.), Ph.D.
- Dr. V.M. Patel, M.E. (Structures), Ph.D.
- Prof. Kiran Parmar, M.E. (Electrical Engg.), Ph.D.
- Dr. Harishkumar Varia, M.Tech. (Civil Engg.), Ph.D.
- Dr. Mitesh Popat, M.E. (Mech. Engg.), Ph.D.
- Dr. Hitesh Chinkaniwala, M.Tech. (Comp. Engg.), Ph.D.
- Dr. Ajay Vyas, M.Tech. (EC), Ph.D.
- Dr. Tanwi Bandyopadhyay, M.Sc., Ph.D.
- Dr. Ruchika Sharma, M.A. (Communication Skills), Ph.D.
- Dr. Nayan Patel, M.Sc. (Maths), Ph.D.
- Dr. Subhnarayan Sahoo, M.Tech. (Electrical Engg.), Ph.D.
- Dr. Ravikumar Ganti, M.Tech. (Civil Engg.), Ph.D.
- Dr. Raj Jadav, M.E. (Electrical Engg.), Ph.D.
- Dr. Mahipal Jadeja, (ICT), Ph.D.
- Dr. Alok Kumar Singh, M.Tech. (Electrical Engg.), Ph.D. (Thesis Submitted)
- Dr. Mayank Kumar, M.Tech. (Electrical Engg.), Ph.D.
- Dr. Sameer Patel, M.E. (Structures), Ph.D. (Thesis Submitted)
- Dr. Jignesh Thaker, M.Tech. (Mech. Engg.), Ph.D.
- Dr. Devang Pandya, M.Tech. (ICT), Ph.D.
- Mr. Sudhinchandra Trivedi, M.E. (Structures)
- Mr. Bhargav Shobhana, M.E. (Structures)
- Ms. Shalu Bakhtiani, M.E. (Structures)
- Mr. Pavan Mehta, M.E. (Electrical Engg.)
- Mr. Rajat Jaiswal, M.Sc. (Maths)
- Mr. Bhaumik Modi, M.Tech. (Mech. Engg.)
- Mr. Nikhil Chauhan, M.E. (Electrical Engg.)
- Ms. Sunanda Dhusa, M.Tech. (Structures)
- Mr. Nikhil Parmar, MBA (Electrical Engg. Lab & Power Mgmt.)



Salient features of the Engineering Programmes

- Backed by the largest integrated infrastructure conglomerate
- Extensive infrastructure industry interface and internship
- Opportunities for additional certifications
- Industry focused curriculum
- Highly qualified faculty from academia and industry
- Ultramodern campus with up-to-date infrastructure facilities
- Ranked first in GTU academic performance
- The courses are approved by AICTE and affiliated to the Gujarat Technological University

Student Activities

At AIIE, we believe that apart from regular studies there should be some learning with fun. For the holistic development of the students, we have two clubs (one for each department) and two societies:

- Studio Club is a platform where students can share extra learning with their groups and get exposure through field visits and group activities.
- Electrical Youth Club is a place where student initiatives are implemented throughout the year by students.
- Sports Society holds regular sporting events and competitions for the students. This provides them with a platform to strengthen their mental, physical and team work capacity.
- Literary and Cultural Society, also known as LitCult, organises a wide array of co-curricular activities like debates, elocution, theatre, music, dance, quiz events, photography, fine arts, etc.





Campus Facilities

The Adani Institute of Infrastructure (AII) is conveniently located on the Sarkhej-Gandhinagar highway within Shantigram, the largest integrated township in Gujarat, spread over 600 acres. Cradled in the lap of greenery and flanked by the Narmada Canal in the north and the S.G. highway in the south, AII is well connected with Ahmedabad and Gandhinagar by road. In order to facilitate student activities and student-faculty interaction, the vast lush green campus of Adani Institute of Infrastructure has ample open and common space.

The infrastructure facilities include air-conditioned classrooms, well-developed and state-of-the-art laboratories, library, computing facilities, canteen, auditorium, etc. Further, the institute also has Wi-Fi facility in the campus to offer uninterrupted internet connectivity to staff and students. The institute has excellent arrangements for providing hostel facilities to engineering students through tie-ups with private providers.



Admission Process - 2018

Courses offered in 4-year Bachelor of Engineering (B.E.) Programme:

- B.E. (Civil and Infrastructure Engineering) – 60 seats
- B.E. (Electrical Engineering) – 60 seats
- B.E. (Information and Communication Technology) - 60 seats

Process:

- 35% of the intake will be admitted from candidates qualified in JEE (Main)-2018 on an all-India basis.
- 15% of the intake will be admitted from NRI/NRI-sponsored candidates based on JEE (Main) - 2018 or ACPC-GUJCET merit list. NRI candidates are exempted from JEE/GUJCET examinations.
- 50% of the intake will be admitted as per the eligibility criteria prescribed by ACPC, Government of Gujarat. For more information, please visit: <http://www.jacpcldce.ac.in/>.

Note: All-India JEE/NRI quota admissions are carried out by the Adani Institute of Infrastructure Engineering (AIIE) directly and application forms are available at: <http://www.aii.ac.in/aiie/admissions/>.

For more information, you may contact Admissions Office at +91-079-25556592 or write to us at admissions.aiie@aii.ac.in.





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