

adani

Institute of
Infrastructure



Adani Institute of Infrastructure Engineering (AIIE)

Building Growth with Excellence



Adani Group



Growth with Goodness

Adani Group is one of India's largest integrated infrastructure conglomerates with interests in Resources (coal mining and trading), Logistics (ports, logistics, shipping and rail), Energy (renewable and thermal power generation, transmission and distribution), Agro (commodities, edible oil, food products, cold storage and grain silos), Real Estate, Public Transport Infrastructure, Consumer Finance and Defence.

Adani owes its success and leadership position to its core philosophy of 'Nation Building' and 'Growth with Goodness' – a guiding principle for sustainable growth. The Group is committed to protecting the environment and improving communities through its CSR programme based on the principles of sustainability, diversity and shared values.





Adani Institute of Infrastructure

Vision

To be a world class leader in businesses that enrich lives and contribute to nations in building infrastructure through sustainable value creation.

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

Adani Institute of Infrastructure (AII) is a self-financed institution promoted by 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. 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.

Adani Institute of Infrastructure has two divisions:

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





From the Director's Desk

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) and Information and Communication Technology (ICT).

We have set up modern labs equipped with a research facility which will grow fast in the coming years. A strong connect with the industry and its support have made it possible to integrate real-life engineering problems with the students' project and course work. Industry experts regularly interact with students to create awareness about the infrastructure industry and nurture their career aspirations. Industry engagement with senior research-oriented faculty members of AIIE is a perfect setting for the students to lay the foundation for a long-term career based on understanding, inquisitiveness, entrepreneurship and value contribution. I invite you to come and join AIIE and open new doors to an exciting career ahead. Be the nation builders of tomorrow!

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



Adani Institute of Infrastructure Engineering

Creating a Foundation for Tomorrow's Nation Builders

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 Adani Institute of Infrastructure Engineering (AIIE) are duly approved by AICTE and affiliated to 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.

- **Infrastructure Leadership Series:** Senior Level Industry Professionals disseminate their hands on experience, knowledge and skills with the budding engineers.
- **International Academic Collaboration with Purdue University** – 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.
- **Government of Gujarat SSIP Collaboration** - AIIEH - An Innovation Hub provides students with ample room to dream big, develop new ideas and create business plans to make those ideas happen. The space allows students the room and tools they need to prototype and build creative projects. It includes training & practicing emerging technologies like 3D printers, Robotics tools, IoT kits and a variety of hand tools. SSIP Grant & Expert Mentoring is provided to the students to build their start-ups into sustainable businesses.





Faculty

The distinguished faculty of AIIE include:

- Dr. A.V. Thomas, PhD (IIT Madras), Construction Engineering & Management
- Dr. Vikram Patel, PhD (Ganpat University), Civil & Infrastructure Engineering.
- Dr. H.R.Varia, PhD (IIT Bombay) Civil & Infrastructure Engineering.
- Dr. Kiran Parmar, PhD (M.S University), Electrical Engineering.
- Dr. Hitesh Chhinkaniwala, PhD (KadiSarvaVishwavidyalaya), Information & Communication Technology.
- Dr. Tanwi Bandyopadhyay, PhD (Jadavpur University, West Bengal), Mathematics.
- Dr. Ajaykumar Vyas, PhD (Mpuat, Udaipur), Electrical Engineering.
- Dr. Nayan Patel, PhD (RK University, Rajkot), Mathematics.
- Dr. Subhanarayan Sahoo, PhD (KIIT University, Odisha), Electrical Engineering.
- Dr. JigneshThaker, PhD (SVNIT, Surat), Mechanical Engineering.
- Dr. Sameer Patel, PhD (SVNIT, Surat), Civil & Infrastructure Engineering.
- Dr. Alok Kumar Singh, PhD (MNNIT, Allahabad), Electrical Engineering.
- Dr. Ruchika Sharma, PhD (BITS Pilani), Communication Skills.
- Dr. Raj Jadav, PhD (University of Queensland, Australia), Electrical Engineering.
- Dr. Devang Pandya, PhD (SVNIT, Surat), Information & Communication Technology.
- Dr. Bhavesh Patel, PhD (PDPU), Mechanical Engineering.
- Dr. Nikunj Tahilramani, PhD (UkaTarsadia University, Bardoli), Information & Communication Technology.
- Dr. Ujjeval Patel, PhD (CHARUSAT University), Electrical Engineering.
- Dr. Rajesh Prasad Shukla, PhD (IIT, Roorkee), Civil & Infrastructure Engineering.
- Dr. Vinodkumar Rana, PhD (IIT, Bombay), Water Resources Management
- Dr. Arnav Anuj Kasar, PhD (MNIT, Jaipur), Civil & Infrastructure Engineering
- Dr. Purnima Shah, PhD (Ahmedabad University), Information & Communication Technology
- Dr. Shilpa Pandey, PhD (IIT Jodhpur), Information & Communication Technology
- Dr. Vijeta Khare, PhD (University Malaya, KL Malaysia), Information & Communication Technology
- Mr. Harsh Dhiman, Ph.D. (Thesis Submitted) – IITRAM, Electrical Engineering
- Ms. Hargeet Kaur, Ph.D. (Thesis Submitted) – IIT Jodhpur, Information & Communication Technology
- Dr. Rohit. B. Patel PhD (Nirma University), Information & Communication Technology
- Dr. Hemanta Medhi, PhD (IIT Kanpur), Civil & Infrastructure Engineering
- Dr. NileshChothani, PhD (Sardar Patel University), Electrical Engineering
- Dr. Darshan Ranpura, PhD (KadiSarvaVishwavidyalaya), Management
- Dr. Manju Raisinghani, PhD (RK University, Rajkot), Management

Visiting Faculty:

- Dr. K. D. Samal, PhD, Communication Skills.
- Dr. Margi Jani, PhD (PDPU Gandhinagar), Physics.
- Dr. Aparajita Mandal, PhD (IACS) , Physics
- Dr. Vijendra Singh Bhati, PhD (IIT Jodhpur), Physics.



Salient features of the Engineering Programmes

- Backed by the largest integrated infrastructure conglomerate
- Extensive industry interface and internships
- Hands-on knowledge of useful softwares like AutoCAD, StaadPro, Primavera, MATLAB, Multisim, etc.
- Ultramodern campus with state-of-the-art laboratories equipped with latest instruments
- Highly qualified faculties from academia and industry
- Regular skill development sessions by industry experts

Student Activities

Adani Institute of Infrastructure Engineering believes in holistic development of the students. Co-curricular and extra-curricular activities are organised:

- Studio Club facilitates extra learning with their groups through field visits and academic activities.
- 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.
- Robotics Club under the e-Yantra Lab Setup Initiative (ELSI) imparts training and education in the area of embedded systems and robotics.
- IEEE Student Branch is dedicated to advancing technology for the benefit of humanity.
- IGBC Student chapters is facilitating the Green Building Movement.





Campus Facilities

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.

Laboratory Facilities

AII is enriched with well-developed laboratories, having a variety of equipment which is useful in understanding concepts and applications practically. AII emphasises on hardware and software skills of an individual, and accordingly, lab development is shaped. The various basic and advanced tests/experiments can be performed with high-level of accuracy through the equipment and software tools.

List of Laboratories

Electrical Engineering

- Electrical and Electronic Workshop
- Basic Electrical Engineering Lab
- Electrical Machine Lab
- Digital Electronics Lab
- Analogue Electronics Lab
- Microprocessor and Sensor Lab
- Power Electronics Lab
- Switchgear and Protection Lab

Information and Communication Technology

- Programming Concept Lab
- Data Management and Analysis Lab
- Network and Security Lab
- Operating System Lab
- Communication Lab
- Simulation Lab
- Computing Lab
- Project Lab

Civil & Infrastructure Engineering

- Surveying Lab
- Material Testing lab
- Advanced Material Testing lab
- Geotechnical Lab
- Advanced Geotechnical Lab
- Transportation Lab
- Advance Transportation Lab
- Fluid Mechanics Lab
- Structure lab
- Mechanics of Solid Lab
- Green Technology Chemistry (Environment Base)

Training & Placement

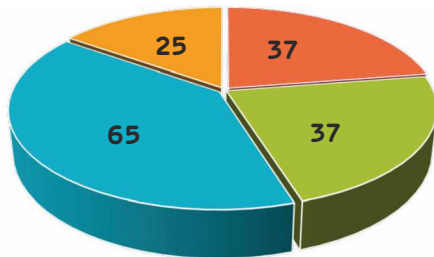
OUR PLACEMENT RECORDS - 2019

Number of Companies Visited for Campus Recruitment: 39

Number of Students Available for Placement: 62

Number of Offers Available: 98

Industrial Internship



- 2015 - 2019 Civil & Infra
- 2015 - 2019 Electrical
- 2016 - 2020 Civil & Infra
- 2016 - 2020 Electrical

Industrial Internship Highlights:

No of Companies :53

Total Number of Students :204

No of students opted for internship: 164

Our Prominent Recruiters





Admission Process

Admission to AIIE is given as per the eligibility criteria prescribed by ACPC. For more information please visit: <http://www.jacpcldce.ac.in/>. The intake of each programme is given below:

- **B.E. (Civil and Infrastructure Engineering) – 60 seats**
- **B.E. (Electrical Engineering) – 60 seats**
- **B.E. (Information and Communication Technology) - 120 seats**

35% of the intake will be admitted from candidates qualified in JEE (Main)-2019 on all-India basis,

15% of the intake will be admitted from NRI/NRI-sponsored candidates based on JEE (Main) - 2019 merit list. NRI candidates having their 12th grade from outside India are exempted from JEE 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 online application provisions are available at: <http://www.aie.ac.in/aie/admissions/>.






Adani Institute of Infrastructure Engineering


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