

**Adani Institute of
Infrastructure Engineering (AIIE)**

**Building the
Nation Builders**





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, Consumer Finance, Defence, Renewable** (Adani Green Energy Ltd.) and **Data Center** business. Headquartered in Ahmedabad, India, the Group has operations across the world. It owes its success and leadership position to its core philosophy of 'Nation Building'.

Adani Group takes its responsibility towards contributing to the improvement of the society very seriously. Through 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 Group believes in delivering benefits that transcend its immediate stakeholders.





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

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



Prof. M Muruganant
Director
Adani Institute of Infrastructure

Infrastructure is the substratum of development in any country or civilization. The United Nations puts emphasis on infrastructure on SDG 9 and 11. We as a nation are striving to move towards sustainable development. Developing resilient and sustainable infrastructure in all sectors should be the focus to make this nation a superpower. With 3713 projects in transport worth USD 777 bn, 1447 social infrastructure projects worth USD 253 bn, 1321 projects in water & sanitation worth USD 286 bn, 658 projects in energy worth USD 471 bn, 608 commercial infrastructure projects worth USD 91 bn, 164 logistics projects worth 51 bn and 32 projects in communication worth USD 11.25 bn India's emphasis on infrastructure development is evident. Skilled expertise shall bring the much-needed value add as the nation moves ahead building itself.

Our parent organization – Adani Group – recognized this as a challenge as well as an opportunity and promoted Adani Institute of Infrastructure Engineering (AIIE) in 2015. AIIE has been founded to equip the students to become modern day engineers primarily for the infrastructure and allied sectors.

Our graduates have proficiently adopted engineering acumen, synergized with hands-on training, research and extension skills to their niche requirement in nurturing their dreams. Well-designed and delivered course, highly qualified and enthusiastic faculty members, blended learning pedagogy, strong industry interface, support from Group companies and highly motivated students are the main contributors to this success story.

I extend a warm welcome to you for a mutually rewarding collaboration.

From the Principal's Desk



Dr. V. M. Patel
Principal
Adani Institute of Infrastructure Engineering

As India rises again, amidst the unprecedented changes, it is the leaders, risk takers and quick learners who will lead the way. Adani Institute of Infrastructure Engineering has nurtured the young minds to lead with passion, learn with joy, think critically and moreover innovate fearlessly. With the ceaseless support of India's leading Infrastructure conglomerate Adani Group, our Institute has proudly groomed the young engineers who are ready to be the "Nation Builders".

Adani Institute of Infrastructure Engineering has been pioneering in the quality education, research and professional practices that enable the students to emerge as leaders in their professional careers, to pursue excellence in research, and to serve the profession, community, and nation. Well-designed course curriculum, highly qualified and enthusiastic faculty members, carefully selected learning pedagogy with strong and active industry interface are the distinctive features of this Institute.

More than ever, now the country needs bright minds to pave the way ahead and take the nation to new heights of sustainable growth. It is my privilege to present the batch of engineering graduates who have been prepared to adapt to the new challenges and who can be the part as well as the contributors of the success of your esteemed organization.

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.

Bachelor of Engineering (Computer Science and Engineering - Artificial Intelligence & Machine Learning)

The 4-year full-time B.E. program is providing specialization in cutting-edge technologies of Artificial Intelligence (AI) & Machine Learning (ML) with a foundation of Computer Science & Engineering. This program offers advance expertise in plethora of concepts related to Deep Learning, Computer Vision, Neural Networks, Data Science, Big Data Analytics and Expert Systems. This specialization is intended to bestow assistance to students who are looking forward to a wide variety of careers in automated Agriculture, Health Care, Manufacturing, Education and Public Utilities.

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).



*Subject to approval from AICTE





Pedagogy of the Engineering Programmes

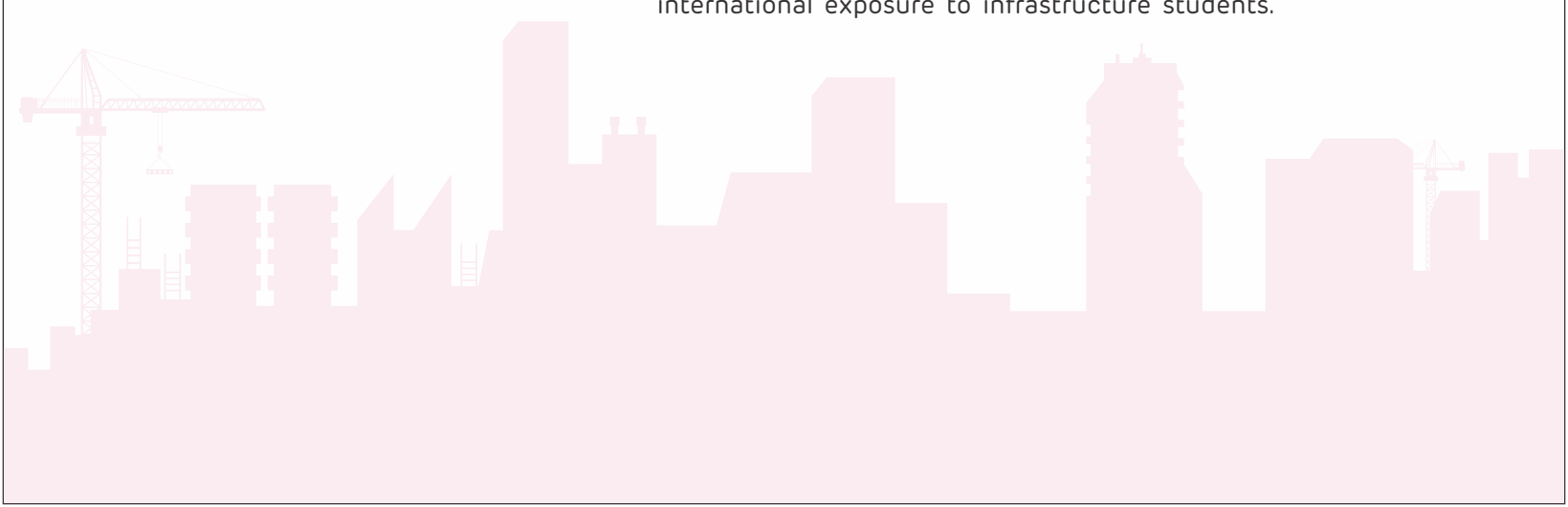
The engineering programmes at AIIE combine rigorous classroom training with practical training in laboratories. The comprehensive curriculum ensures a sound understanding of engineering fundamentals and principles. Equal emphasis is placed on practical work in the form of laboratory classes, project-based 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**

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 - Civil and Infrastructure Engineering



Dr. H.R. Varia,
HOD, Civil and Infrastructure Engineering

Dr. Sameer Patel
Assistant Professor
Civil & Infrastructure Engineering

Dr. Hemanta Medhi
Assistant Professor
Civil & Infrastructure Engineering

Mr. Rahul Chhatrala
Academic Associate
Civil & Infrastructure Engineering

Mr. Divyang Vaghela
Academic Associate
Civil & Infrastructure Engineering

Mr. Swar Shah
Academic Associate
Civil & Infrastructure Engineering

Dr. Vinod Kumar Rana
Assistant Professor
Civil & Infrastructure Engineering

Dr. Rituraj Nath
Assistant Professor
Civil & Infrastructure Engineering

Mr. Uzair Shaikh
Academic Associate
Civil & Infrastructure Engineering

Mr. Priyank Kadecha
Academic Associate
Civil & Infrastructure Engineering



Faculty -

(A) Information and Communication Technology

(B) Computer Science and Engineering - Artificial Intelligence & Machine Learning



Dr. Hitesh Chhinkaniwala,
HOD, Information and Communication Technology

Dr. Devang Pandya
Assistant Professor
Information and Communication Technology

Dr. Ajaykumar Vyas
Assistant Professor
Information and Communication Technology

Dr. Vijeta Khare
Assistant Professor
Information and Communication Technology

Dr. Hargeet Kaur Bhati
Assistant Professor
Information and Communication Technology

Ms. Sameeksha Jain
Academic Associate
Information and Communication Technology

Dr. Rohit Patel
Assistant Professor
Information and Communication Technology

Dr. Nikunj Tahilramani
Assistant Professor
Information and Communication Technology

Dr. Shilpa Pandey
Assistant Professor
Information and Communication Technology

Dr. Chintan Shah
Assistant Professor (Visiting)
Information and Communication Technology

Ms. Subhashree Barada
Academic Associate
Information and Communication Technology



Faculty - Electrical Engineering



Dr. Kiran Parmar,
HOD, Electrical Engineering

Dr. Subhanarayan Sahoo

Associate Professor
Electrical Engineering

Dr. Alok Kumar Singh

Assistant Professor
Electrical Engineering

Dr. Raj Jadav

Assistant Professor
Electrical Engineering

Mr. Nikhil Parmar

Academic Associate
Electrical Engineering

Mr. Prince Singh

Academic Associate
Electrical Engineering

Dr. Nilesh Chotani

Associate Professor
Electrical Engineering

Dr. Ujaval Patel

Assistant Professor
Electrical Engineering

Dr. Harsh Dhiman

Assistant Professor
Electrical Engineering

Mr. Pavan Mehta

Academic Associate
Electrical Engineering

Science & Humanities Department

Dr. Tanwi Bandyopadhyay

Assistant Professor
Science & Humanities

Dr. Bhavesh Patel

Assistant Professor
Mechanical Engineering

Mr. Rajat Jaiswal

Academic Associate
Science & Humanities

Mr. Ramkrishna Das

Academic Associate
Science & Humanities

Dr. Nayan Patel

Assistant Professor
Science & Humanities

Dr. Ruchika Sharma

Assistant Professor
Science & Humanities

Mr. Mitesh Bhavsar

Academic Associate
Science & Humanities

Dr. Jignesh Thaker

Assistant Professor
Mechanical Engineering

Dr. Manju Raisinghani

Assistant Professor
Science & Humanities

Mr. Kiran Mansuriya

Academic Associate
Mechanical Engineering

AIIE Differentiators

- 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. Various co-curricular and extra-curricular activities are organised through 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.
- 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



Adani Institute of Infrastructure (All) 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, All 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.

Laboratories Facilities

AIIE is enriched with well-developed laboratories, having a variety of equipment which is useful in understanding concepts and applications practically. AIIE 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 Machines Lab
- Digital Electronics Lab
- Analog Electronics Lab
- Microprocessor Lab
- Power Electronics Lab
- Switchgear and Protection Lab
- Basic Electronics 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

Civil & Infrastructure Engineering

- Surveying Lab
- Material Testing Lab
- Advanced Material Testing Lab
- Geotechnical Lab
- Advanced Geotechnical Lab
- Transportation Lab
- Advanced Transportation Lab
- Fluid Mechanics Lab
- Structure Lab
- Mechanics of Solid Lab
- Green Chemistry and Environmental Technology Lab



Career Development Cell (CDC)

Career Development can be defined as the assemblage of psychological, sociological, educational, physical, and economic factors that combines to influence the nature and significance of work in the total lifespan of an individual. Career Development Cell at Adani Institute of Infrastructure leaves no stone unturned in achieving the excellence and personality development of our students. A rigorous academic regimen supported with CDC's year-round skill development, nurturing & extracurricular activities not only broaden student's knowledge base and skill set but also imbibe in them the feeling of social and individual responsibility. We aspire to provide a bridge between academia and industry.

IT & ITeS



Consultancy Services



Manufacturing



Energy & Power



Infrastructure



Real Estate



Software Design & Development



Major Initiatives

Career Orientation Programs:

Career Development Cell organizes Career Orientation Programs for students. In such sessions students are briefed about various opportunities available after BE Program. It also helps students to take informed decision to choose from different available options.

Career Development Cell is associated with 250+ companies from different domains to support activities like Campus Placement, Industry Internships, Expert Lectures, Projects, Workshops and Industrial Visits.

Expert Lectures:

Career Development Cell arranges series of expert lectures in consultation with HODs. Such lectures help students become familiar with industry expectations & can co-relate theoretical aspects of engineering with the practical one.

Industrial Visits:

In each semester industrial visits of the students with faculty members are arranged in different industries, which enhance exposure of the students & make them understand practical aspects of the studies.

Project Training & Internships:

Project Training & Internship are the integral & inevitable part of studies which help students deal with real engineering practices. Pre-final & final year students are placed at different industries for the period of 6 to 8 weeks or for 6 months. They work under guidance & supervision of respective industry personnel and faculty members who take care of monitoring & regular evaluation.

Recruiters Meet:

With an aim to bridge the gap between Industry & academia, Career Development Cell organizes Recruiters Meet in which company personnel of various industries are invited for expert session and meeting with faculties & students.

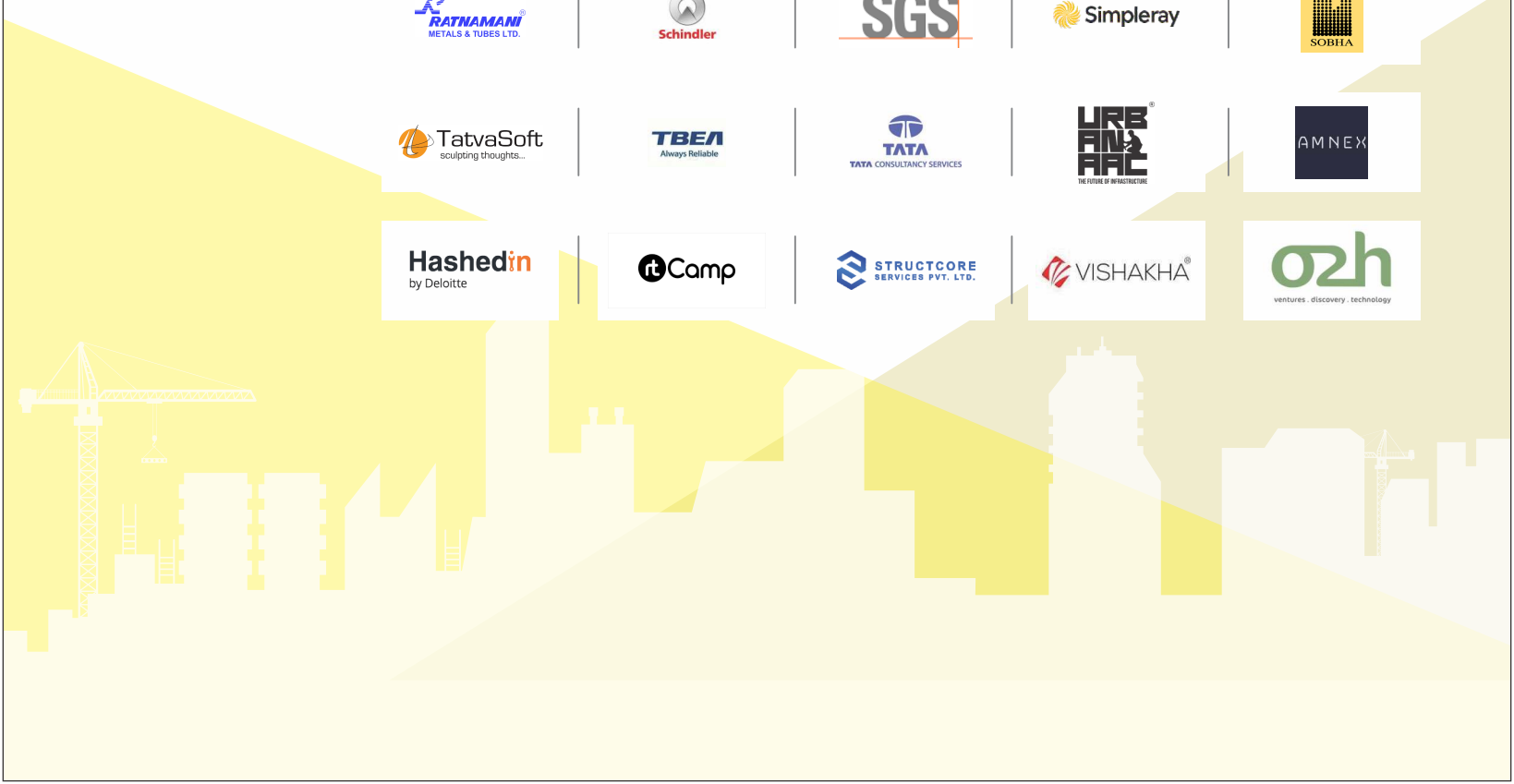
Campus Placement:

Career Development Cell invites various companies for the placement of the students. It results in mutually beneficial outcome for both the stake holders. For companies they get best fresh engineering graduates & students also can secure best jobs before their B.E. program is over.

"Career Development Cell is associated with 250+ companies from different domains to support activities like Campus Placement, Industry Internships, Expert Lectures, Projects, Workshops and Industrial Visits."



Corporate Partners





Student Testimonies



My sincere Gratitude to AIIE faculty and staff for imparting their experience, knowledge and efforts. It's been a great experience to be the first batch of AIIE. Only because of the efforts and Hard-work of the Career Development Cell I got placed in Adani Power. Apart from the curricular knowledge, participating in student driven activities like expert talks, industrial visits, etc. had helped me enhance my technical as well as interpersonal skills.



Vatsal Gajera
(Civil and Infrastructure Engineering, 2015-2019)
Senior Engineer – Adani Power

Apart from its "State of the art" education AIIE successfully provides a nexus between academic offerings and industrial wants. I'm grateful to the institute, particularly the Career Development Cell which provided the environment which boosted confidence and enough expertise to prove myself during campus Recruitment interviews. With an excellent job of CDC, I could achieve the opportunity to work in Schindler India. As a fresher it was a great start for me.



Aishwarya Sharma
(Electrical Engineering, 2015-2019)
Account Executive – Schindler India

Due to the efforts made by the faculty and Career Development Cell at Adani Institute, I was able to bag a job at IMEG Corp, Ahmedabad. They always provided me with the assistance that I required for my overall development and to improve my technical knowledge. It is a place of learning, fun, culture, lore, literature and many such life preaching activities. I had the opportunity to meet with the dynamic and distinguished faculties, who are enthusiastic, friendly, patient and highly qualified. I appreciate the support of my university for shaping my career.



Dhruvil Mistry
(Electrical Engineering, 2016-2020)
Electrical Designer - IMEG Corp.

I really like the placement process of our college; everyone is working really hard for all students so that they could get opportunity in the best companies. I was really fortunate that I got placed at Prism RMC. The faculty members worked so hard on our overall development and conducted boot-camps and extra classes for us to enhance our technical and interpersonal skills. No wonder the college is new and is still striving to achieve excellence, but in the due time, it has definitely set some benchmarks in academia and is relentlessly trying to achieve the heights in rendering a world-class education.



Tanjeela Vhora
(Civil and Infrastructure Engineering, 2016-2020)
Graduate Engineer Trainee-Prism RMC

Adani Institute has been a great place to be. It is the faculties, staff and career development cell who improve us in technical knowledge as well as give proper guidance and assistance at required time for overall development that have made this college so great. I am very grateful to AIIE Faculty, Staff and Career Development Cell for carving the best out of me while being so helpful, supportive and friendly throughout the academic track. This journey had been very memorable.



Darshan Kotecha
(Civil and Infrastructure Engineering, 2016-2020)
Graduate Engineer Trainee – Adani Transmission



Student Testimonies

It gives me immense pleasure to show my gratitude to the institute who carved the best out of me. A short paragraph isn't enough to describe my whole journey at AIIE, the best thing about the institute was being part of a supportive environment, where everyone is focused, helps each other and you are encouraged to succeed as individuals. Huge respect, love and devotion for entire faculty members and department. It's their efforts that make me count myself into better professionals.



Akash Kantaria
(Electrical Engineering, 2015-2019)
GATE Score – 882 , AIR – 135

My undergraduate journey helped me learn a lot of things. The program helped me grow professionally and personally. The course structure is perfect amalgamation of theoretical as well as practical knowledge. It has given me a new perspective to plan and execute projects with precision and perfection.



Vatsal Kamdaar
(Civil and Infrastructure
Engineering 2016-2020)
New York University Masters
(2021-2023)

What sets Adani Institute of Infrastructure apart from the rest of the colleges is the fact that it provides a holistic development for all its students. From having the best infrastructure that aids in the teaching methods provides the students with the best learning experience. Not only learning the theories but students get the opportunity to apply it in real life, due to the compulsory internships that provide them with real-life experience and build their knowledge.



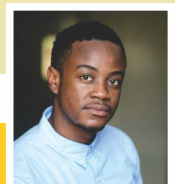
Kayshap Shukla
(Civil and Infrastructure
Engineering 2016-2020) NIT
Hamirpur
ME in Structures (2021-2023)

AIIE has been a great contributor to tailor my personality to who I am today. Whether it be academics or other activities, the faculties here have put in all the effort to groom us in the best possible way. Not to forget the Career Development cell team, who has my sincere appreciation and gratitude for their efforts in imparting technical and aptitude training. Even during the tough times in pandemic situations, we were offered many placement opportunities.



Mitesh Jadav
(Information Communication
and Technology, 2017-2021)
TCS Digital

My four years at AIIE were among the best years of my life. I love the fact that the classes are interactive and the instructors are very friendly and approachable. They are always willing to help students who require extra help and are open to setting up meetings to help individual students. The classes are not only theoretical, but practical too. I really enjoyed the practice of internships, as it gave me a taste of professional life in general.



Wyman Chisanga
International Student (Civil and
Infrastructure Engineering,
2017-2021)



Reach us



Admission

Mr. Guru Iyer

Mobile: + 91 9099900872 | Email: admissions.aiie@aii.ac.in

General / Business

Mr. Kartik Vadgama

Mobile: + 91 8980805306 | Email: info@aii.ac.in

Career Development Cell

Mr. Harshid Patel

Mobile: + 91 9925178999

Mr. Amish Soni

Mobile: + 91 9924227236

Email: cdc@aii.ac.in





Adani Institute of Infrastructure Engineering

Shantigram Township, Nr. Vaishnodevi Circle,
S.G. Highway, Ahmedabad - 382421, Gujarat, India

<http://www.aii.ac.in/aie>

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