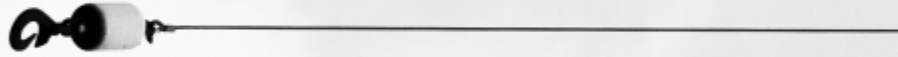


**Integrated**

**B.Tech** (Civil & Infrastructure Engineering)

**MBA** (Project Management)

Engineering Excellence with Project Leadership



**Imagining**

**the Future**

Shaping  
Strategies!



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## Adani Group - Overview

The Adani Group is a leading global first-generation business group with a strong growth record and enormous future potential and it is one of India's largest integrated infrastructure conglomerate.

The success of the Group is due to its strong governance, strict regulatory compliance, sustained performance, and solid financials that balance growth and deleveraging.

Over the course of the past three decades, the Adani Group has developed assets that span key established and emerging sectors of the Indian economy: ports, airports, logistics, road, rail, water, defence and aerospace, solar, wind and hybrid energy, power generation, transmission and distribution, LNG and PNG terminals, city gas and piped gas distribution, food FMCG, data centres, digital services, undersea cables, industry cloud and super app, AI labs, mining, metals, minerals, cement, petrochemicals, and media.

The Adani Group has withstood the test of time and has a track record of tremendous growth in spite of the macroeconomic challenges and others like global disruptions caused by the COVID pandemic and the Russia-Ukraine war.





# Growth with Goodness



**India is**  
**Reshaping**  
**the World**

## Infrastructure Growth - Overview

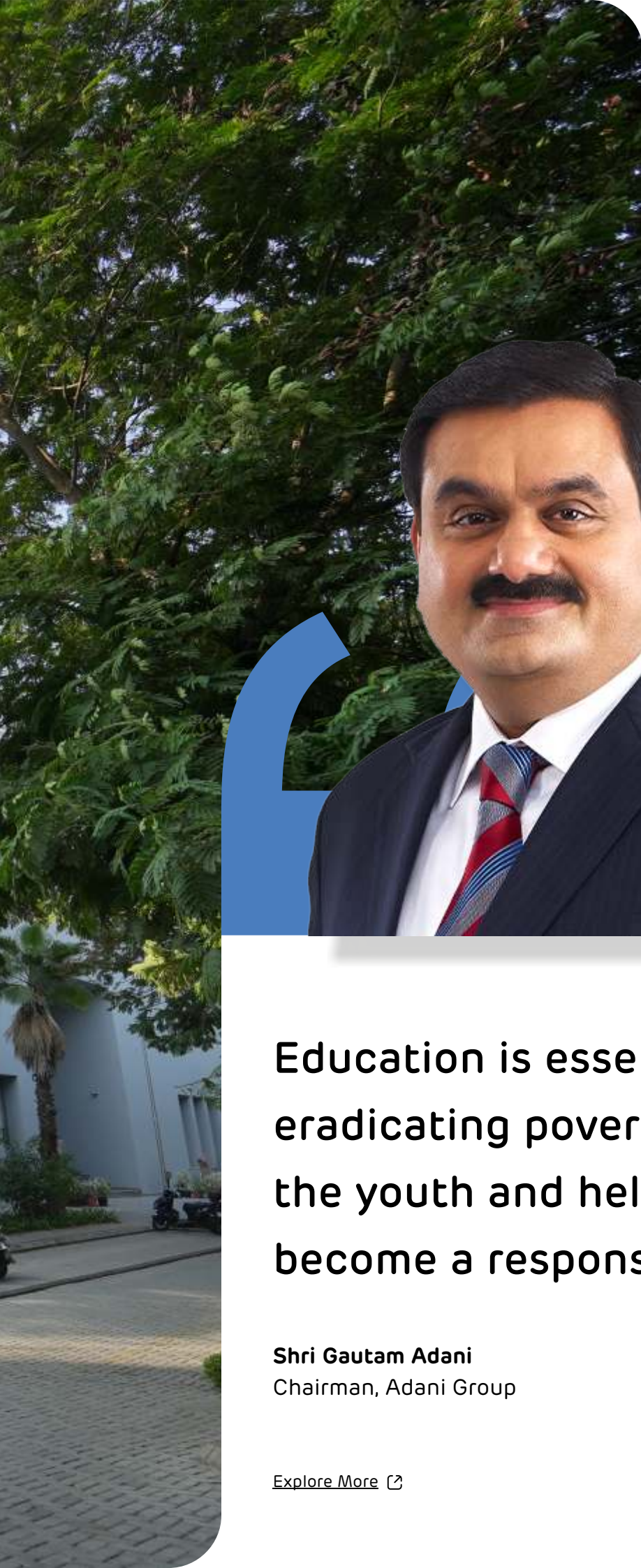
Construction industry in most countries account for 9% of GDP, and Indian construction and real estate industry account for more than 30% investment standing at INR 3049 billion (2022). As per recent economic survey, India will require investments of around US\$ 4.5 trillion by 2040 to develop the infrastructure for sustaining economic growth.

Infrastructure projects are complex, the technologies and management approaches involved are continuously evolving adapt to the changing needs. There is high demand for change makers as better project engineers and project managers for specialised infrastructure projects being implemented in Vikshit Bharat. It is estimated that young Indian graduates, trained within the country, will find extensive employment opportunities across the world, once they are trained well in Civil Infrastructure along with Project Management skills. Adani University has created a unique and niche program keeping in mind our nation's skill building requirement in alignment with the vision of Niti Ayog, National Education Policy and the vision of Adani Group. Adani University is one of the first in India to offer such a curated program which is NEP compliant with a futuristic outlook. Adani Group, which is the biggest group having extensive experience in infrastructure development in Ports development, airports development, real-estate development as well as transformative development of socially disadvantaged housing clusters etc, and education for the disadvantaged population, which will add to the story of a developed India.




adani | University





Education is essential for eradicating poverty, it empowers the youth and helps them become a responsible citizen. ”

**Shri Gautam Adani**  
Chairman, Adani Group

[Explore More](#) 

## Adani University - Overview

With a vision to educate and empower the youth, encourage transformative research that focuses on real-world problems, and contribute to global sustainability via excellence at all levels, the Adani Group – one of India's largest transport and utility infrastructure conglomerates with inspiration from the infrastructure visionaries of India – Shri Gautambhai Adani and Dr. Priti G Adani– established the Adani University in India's enterprising State of Gujarat.

With the major thrust on education for transformation, Adani University is engaged in building a state-of-the-art futuristic institution for education, training, and research that shall disseminate managerial and technological knowledge of the highest value through impactful industry engagement and multidisciplinary research.

Five thrust areas, namely Infrastructure, Technology, Healthcare, Energy, and Defense are the focus of university programs, while the approach is broad and complementary. Adani University is a research-intensive institution that seeks to address and impact real-world problems. Research, formal and non-formal programs for doctoral, post-graduate degrees, undergraduate, and certification programs at the intersection of disciplines are offered at the University.



## Academic Ecosystem at Adani University

### Faculty of Engineering Sciences and Technology [↗](#)

#### M.Tech

Construction Engineering and Management (CEM) [↗](#)

#### B.Tech

Integrated B.Tech (CIE) + MBA (PM) [↗](#)

Computer Science and Engineering (AI-ML) [↗](#)

Information and Communication Technology (ICT) [↗](#)

### Faculty of Management Sciences [↗](#)

#### MBA

Infrastructure Management (IM) [↗](#)

### Department of Doctoral Studies [↗](#)

#### Thrust Areas in Focus

- Infrastructure
- Energy
- Advanced Manufacturing
- Management
- Technology
- Defense\*
- Healthcare\*

\*Application of ICT and Advanced Manufacturing in the sector

### Centre for Continuing Education [↗](#)

- Long Duration Programs
- Executive Education Programs
- Certification Programs
- Customized Training Programs

## Adani University Governing Body



**Dr. Priti G. Adani**  
President, Adani University  
Chairperson, Adani Foundation



**Prof. Dr. Arun Sharma**  
Vice President, Adani University  
Advisor to the Chairman &  
Group Head for Sustainability, Adani Group



**Prof. Ravi P Singh**  
Provost, Adani University



**Dr. Malay Mahadevia**  
Director, Adani Ports & SEZ Ltd.



**Shri. Mukesh Kumar, IAS**  
Principal Secretary, Higher & Technical Education  
(H&TE), Govt. of Gujarat



**Shri. Kartikey Sarabhai**  
Founder Director, Centre for Environment  
Education (CEE)



**Shri. Jaxay Shah**  
Chairperson, QCI – Ministry of Commerce Industry  
Founder, Chairman & MD - SAVVY Group of Companies



**Dr. Pankaj Patel**  
Trustee & Director, Academy of Traumatology, India  
Former Dean, NHL Medical College, Ahmedabad



**Smt. Paridhi Adani**  
Head – Gujarat Office,  
Cyril Amarchand Mangaldas



**Shri. Vinayak Chatterjee**  
Founder & Managing Trustee, The Infravision Foundation



**Prof. G Raghuram**  
Former Director, IIM Bangalore & Prof. Centre  
for Public Policy



**Shri. Devang Desai**  
Former Executive Director & Group CFO, Adani Group



**Shri. Sudipta Bhattacharya**  
CTO & CEO for North America, Adani Group.



**Prof. Hitesh Chhinkaniwala**  
Professor & Dean, FEST & Head – IT, Adani University



**Prof. Dr. Sunil Kumar Jha**  
Dean Research, Dean FoS,  
Head & Professor Dept. of Physics, Adani University



**Mr. Hiren Mandaliya**  
Registrar, Adani University



**Bridging  
Disciplines for  
Boundless Industry**

## **Faculty of Engineering Sciences and Technology - An Introduction**

The Faculty of Engineering Sciences & Technology (FEST) offers a range of programs to educate students to participate in creating and applying contemporary knowledge and technological advances to make a difference. Our dedicated, experienced business faculty are here to ensure our students are prepared to develop the next wave of technological developments. Technology underpins all facets of modern life, and the pace of change is relentless. We want our students to be equipped with the skills they need to thrive in this ever-changing world. The Faculty of Engineering Sciences & Technology (FEST) provides a rigorous academic program that teaches students how to apply theoretical knowledge to real-world situations.

### **Department of Civil and Infrastructure Engineering (CIE)**

The Department of CIE offers students a comprehensive education that combines industry demand of core professional skills with an NEP compliant futuristic academic syllabus. Our unique program prepares students for their professional careers while also cultivating a lifelong love of learning. In addition to core courses, we offer students a diverse range of courses that foster their personal growth and help them achieve their holistic development. Our students benefit from faculty guidance, industry interaction, guest lectures from industry professionals on the latest trends and technologies in civil engineering, and hands-on research projects. Our curriculum is designed by industry experts and experienced professionals who design and teach a range of topics, including design, planning, construction, advanced technologies, and sustainability. Students gain valuable experience through internships and site visits, training them to develop efficient civil engineering solutions that take into account environmental and societal impacts.

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## **Faculty of Management Sciences - An Introduction**

The Faculty of Management Sciences (FMS) program is designed to provide students with the theoretical concepts and practical applications used in today's dynamic business environment. In addition, the FMS program prepares students with the skills they need to become successful managers in a range of industries. The faculty also provides opportunities for students to gain experience through internships, project work and placements.

## **Integrated Program B.Tech (CIE) + MBA (PM)**

The integrated B.Tech (Civil & Infrastructure Engineering) + MBA (Project Management) program at Adani University aims to produce manpower for specialized infrastructure projects by integrating the technological and managerial aspects of infrastructure development. The curriculum focuses on balanced practical and theoretical aspects of infrastructure planning, project management, digital twins, automation in civil infrastructure, and business skills. It includes modules on Geospatial analysis, tunnel engineering, infrastructure planning, project management, metro-system planning, valuation of infrastructure, strategic management, project finance, operations management, and risk management.

Furthermore, the curriculum emphasizes new-age technologies like building information modelling, AI/ ML, advanced IoT which are increasingly shaping the civil infrastructure industry. Special attention is also given to sustainable development, green buildings, and smart infrastructure given their growing significance.

Upon successful completion of the program, graduates will be equipped to handle the technical and managerial challenges associated with large-scale infrastructure projects. They will have a sound understanding of construction techniques, infrastructure planning, project management and the business aspects of infrastructure development.

The 5-year integrated B.Tech (Civil & Infrastructure Engineering) + MBA (Project Management) program at Adani University offers an opportunity to develop comprehensive and holistic skills needed to thrive in the civil infrastructure industry. With its forward-looking curriculum, the program not only addresses the current talent requirements, but prepares graduates for the future challenges and opportunities of the civil infrastructure sector not only in India but also around the world.

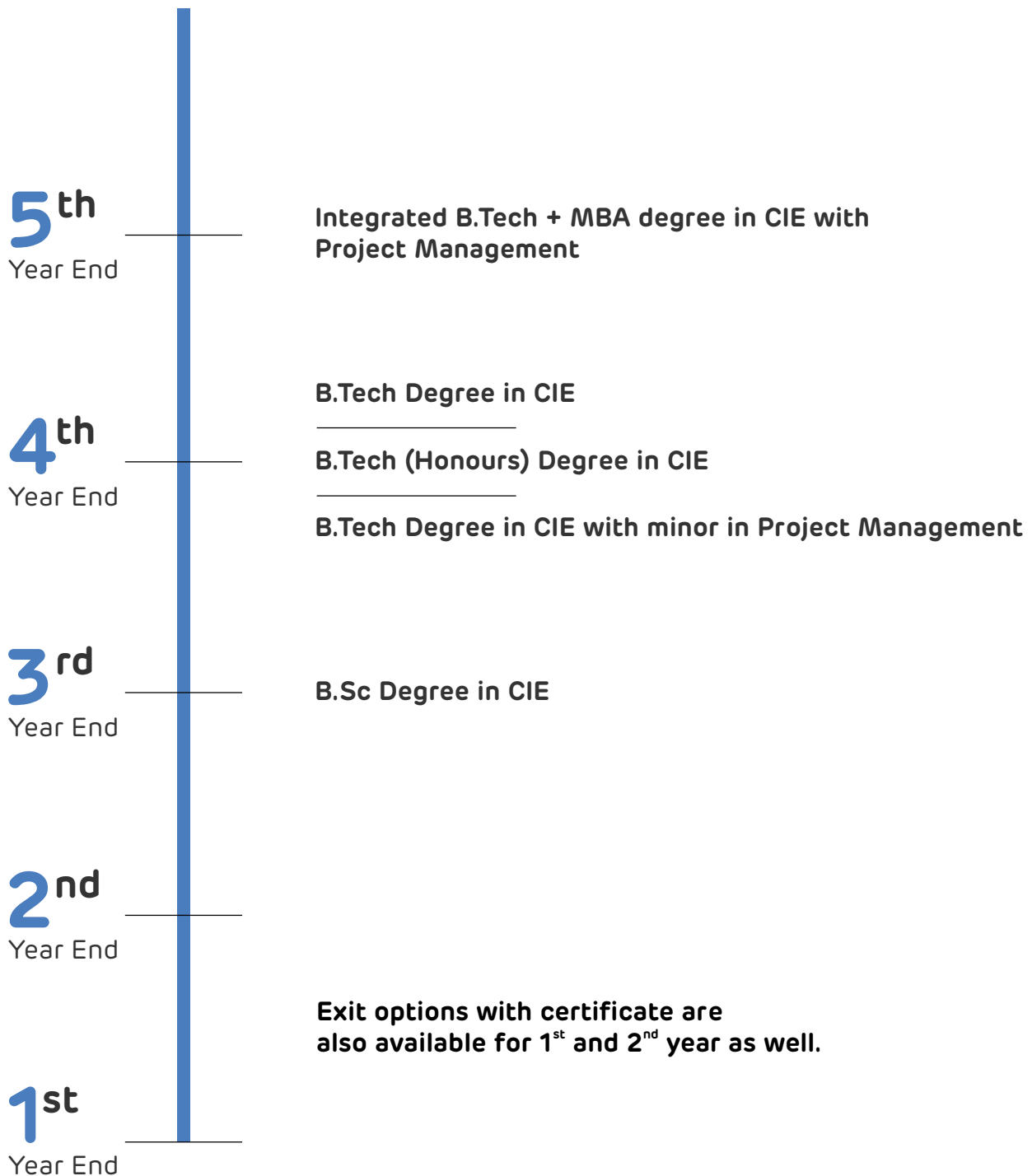


## Program Uniqueness

- Fully NEP-2020 compliant program with multiple entry and exit options,
- Options to earn degrees “B.Sc” after 3-years, “B.Tech (Honors)” and “B.Tech with minor in Project Management” after 4-years,
- Unique integrated program having balanced 50:50 techno-managerial components, and equal theory and practical components weightage.
- Student choice-based electives with hybrid pedagogical model to build domain specific futuristic skills in infrastructure sector,
- Departmental Board of Studies has serving members from reputed international academia, national institutions of repute, and industry leaders from Nihon University Japan, California State University USA, Howe Engineering Projects India, CBRI Roorkee, and Adani Group to help design the program,
- Faculty drawn from international infrastructure background including corporate conglomerates are teaching the course, Many Adjunct Professors from the Adani Group teach the course with their experiences of Infrastructure sector.
- Immersive visits to mega infrastructure projects such as Seaport at Mundra; Airports at Ahmedabad, Jaipur, Lucknow, Mumbai; Greenfield Airports at Navi Mumbai; Urban rehabilitation project like Dharavi; Green energy park at Khavda (Kutch).
- Industry internship opportunity with latest infrastructure projects
- Skill based learning on latest computer software such as Staad Pro, MSP Primavera, GIS, Autodesk, Revit, BIM.
- A bouquet of elective courses through MOOCs created from famous online resources to help students get a Honors degree.
- There could be a semester-abroad program with reputed university across the world.

## Exit Plan

As per NEP-2020, Government of India policy the exit options are;



Note: Additional 16-20 credits will be needed to be eligible for award of B.Tech CIE (Honors), and B.Tech CIE with minor in project management above the minimum 160 credits limit. Graduates must earn cumulative credits between 176-180 credits to be eligible for award of respective degrees, failing so B.Tech in CIE will be granted.

#### First Year (Semester 1 and Semester 2)

- Induction Program (2-weeks)
- Introductory Calculus
- Basic Infrastructure Physics
- Sustainable Ecosystems
- Foundation of Civil Engineering
- Computer Programming
- Communication I
- Computational mathematics
- Mechanics of Solids
- Engineering Graphics & Design
- Sensor Technologies
- Professional Ethics
- Communication II

---

#### Second Year (Semester 3 and Semester 4)

- Applied statistics
- Structural analysis
- Computer aided civil engineering design
- Geomatics & digital mapping
- Fluid Mechanics
- Management Practices
- Entrepreneurship & IPR
- Geotechnical Engineering
- Concrete technology
- Structural engineering
- Water & Wastewater Engineering
- Automation in civil infrastructure
- Industry visits



### Third Year (Semester 5 and Semester 6)

- Industry immersion/ Community outreach # (3-4 weeks)
- Construction project management
- Organizational Behaviour
- Transportation engineering
- Infrastructure planning and appraisal
- Professional Elective I
- Professional Elective II
- Estimating, costing & valuation of infrastructure
- Metro system planning & construction
- Design of concrete structures
- Economics analysis of infrastructure projects
- Professional Elective - III
- Professional Elective - IV
- Industry visits\*

#### Note:

# Students will opt industry immersion/ Community outreach at the end of semester-4 during the summer vacation. The evaluation is based on project report and presentation in-front of a jury.

\*Students will go for industry visits and prepare a report on their skilling and learning. Evaluation will be done based on report and understanding.

---

### Fourth Year (Semester 7 and Semester 8 )

- Industry Internship (12-14 weeks) / Minor Project #
- Professional Elective – V
- Professional Elective – VI
- Professional Elective – VII
- Professional Elective - VIII
- Major Project in CIE\*

#### Note:

# Students will opt for industry internship or for community outreach at the end of semester-6 during the summer vacation. The evaluation will be based on project report and present them in-front of an internal jury.

\*Students will go for major project in industry internship or university assisted internship. They will work full-time for 6-8 hours for 5-6 days per week and will prepare a report on their skilling and learning.

## B.Tech Civil and Infrastructure Engineering (Honors)

4 Year

### Fourth Year (Semester 7 and Semester 8 )

- If student earns additional 16-22 credits through MOOC and taught courses are eligible for B.Tech (Honors) in Civil and Infrastructure Engineering

## B.Tech CIE with Minor in Project Management

4 Year

### Fourth Year (Semester 7 and Semester 8 )

- Planning, Scheduling and Control of Construction Projects
- Cost Management of Engineering Projects
- Construction Finance and Accounting
- Building information and Modelling for Project Management
- Construction Law and Contract Management
- Major Project in Project Management

#### Note:

If student earns additional 16-22 credits in project management above regular B.Tech in CIE program, they are eligible for B.Tech in Civil and Infrastructure Engineering with minor in project management degree.

## Integrated B.Tech with MBA

5 Year

### Fourth Year (Semester 7 and Semester 8 )

- Business development for mega infra projects
- IPR and infrastructure development
- Marketing management
- Business research methods
- Managerial accounting
- Operations management
- Professional Elective I (Management)
- Legal practices of infrastructure
- Operations and supply chain management
- Strategic management
- Corporate finance
- BIM for project management
- Quantitative techniques
- Professional Elective II (Management)

### Fifth Year (Semester 9 and Semester 10 )

- Urban development planning & governance
- Transport policy, economic & management
- Construction law and contract management
- Carbon pricing & infrastructure development
- Quality control & safety management
- Risk & resources management
- Capstone Project



## Program Faculty



**Prof. Dr. Anupam Kumar Singh**

Civil and Infrastructure Engineering

Ph.D. (KIT Germany), MS (KIT Germany)



**Prof. Dr. Harishkumar Varia**

Transportation Systems Engineering

Ph.D IIT Bombay



**Prof. Dr. Rachna Gangwar**

Public Policy, Transportation Systems,  
Multimodal Logistics

Ph.D. CEPT University



**Dr. Anurima Mukherjee Basu**

Public Policy & Economics, Urban Development  
and Planning

Ph.D. CEPT University



**Dr. Harshingar Patel**

Transportation Asset Management and  
Infrastructure Systems Engineering  
Ph.D. Illinois Institute of Technology, USA



**Dr. Sameer Patel**

Civil and Infrastructure Engineering  
Ph.D. S.V. National Institute of Technology



**Dr. Ankur Kapoor**

Water Resources Engineering  
Ph.D. Visvesvaraya National Institute of Technology



**Dr. Gourav Gill**

Civil & Geotechnical Engineering  
Ph.D. BITS Pilani

## Industry Practitioner



### **Er. Parijat Kumar Mondal**

Vice President (Projects),  
Adani RMRW

---



### **Dr. Rahul Singh**

General Manager,  
Adani Green Energy Limited

---



### **Er. Manoj Didwania**

Senior Manager-Techno-Commercial,  
Adani Total Gas Limited

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### **Mr. Raj Modi**

Co-Founder,  
Modi Infra Projects (Real Estate Firm)

Founder  
RD Consultancy & Construction (Civil Consulting Firm)

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### **Mr. Ashish Chaurasia**

Co Founder & Director  
Lgeom Private Limited

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### **Mr. Nandish Patel**

Project Management Consultant  
& Advocate



## Program Facilities

**Advanced Material Testing**

**Advanced Geotechnical**

**Advanced Transportation**

**Advanced Surveying**

**Structure Analysis**

**Environment Technology**

**Green Chemistry**

**Fluid Mechanics**

**Mechanics of Solid**

**High Computation and Simulation**

**Applied Physics**

**Design Engineering**

**IoT & Sensor**

**Building Information Modelling**

**Data Science**

**Project Management**

## Admission Eligibility

1. 10+2 in Science Stream or equivalent from any recognized board in India with Physics, Mathematics and Chemistry as subjects having minimum 60% marks or equivalent grade in aggregate.
2. JEE (Main) or CUET-UG 2024 or Adani University UG Entrance Test (AUET 2024) score will be considered for admission.



## Career Development Cell

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

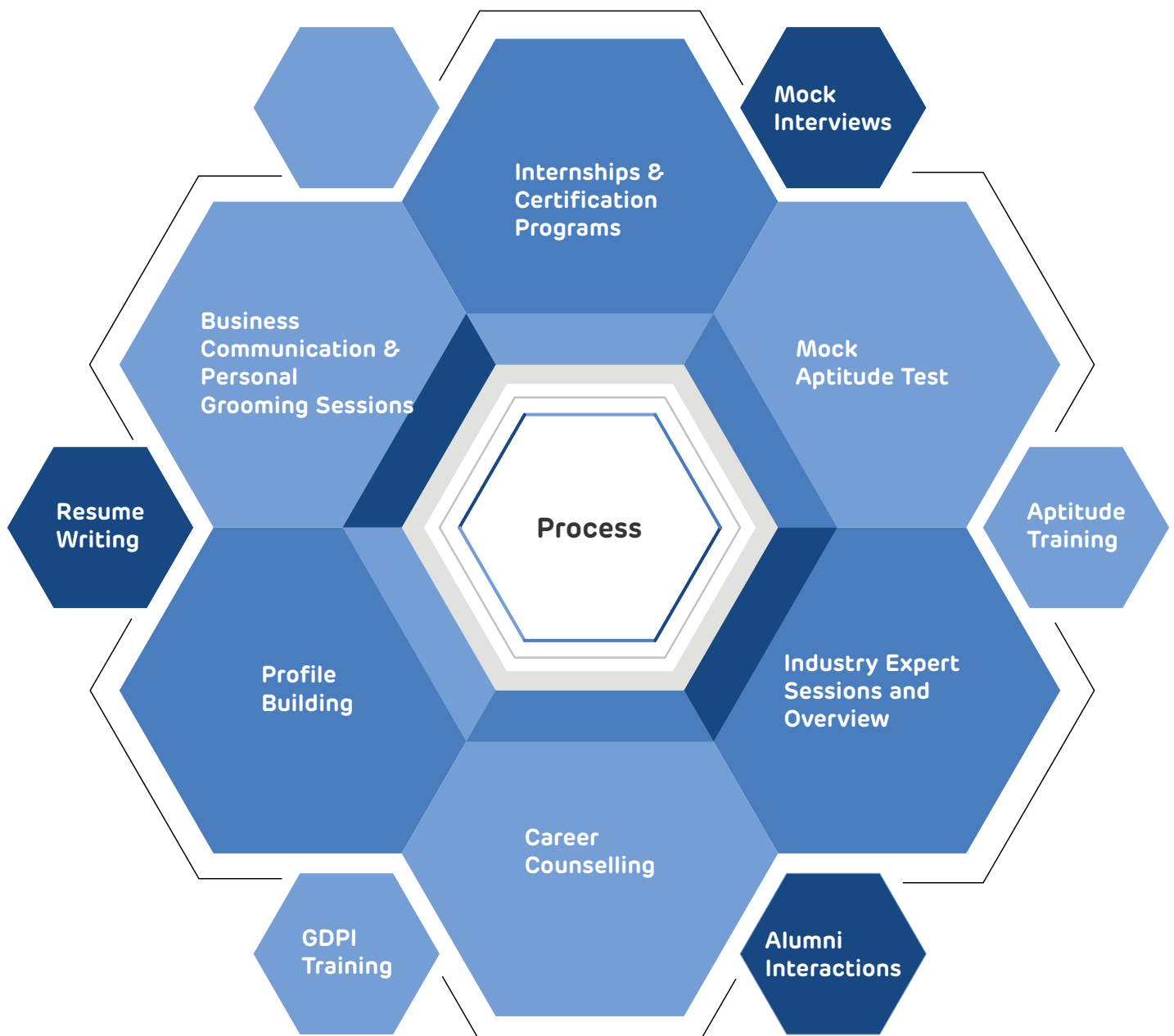
Career Development can be defined as the assemblage of psychological, sociological, educational, physical, and economic factors that combines to influence the nature and significance of work in the total lifespan of an individual. Career Development Cell at Adani University leaves no stone unturned in 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 sets but also imbibe in them the feeling of social and individual responsibility. We aspire to act as bridge between academia and industry.

## Prominent Corporate Partners

			and many more...				

## Campus Recruitment Training Program

The Campus Recruitment Training Program is intended to prepare students for a successful career, utilizing the knowledge and experience of industry professionals, alumni, and faculty to impart the necessary skills.





# Holistic Development of Students

Students showcasing Nukkad Natak on Cyber Crime

## Students Clubs

The university encourages students to take the lead in shaping the learning and living environment by participating, organizing and hosting the series of events.

### Academic Clubs

**Metanoia:**  
Creativity &  
Communications  
Club



**Shastra:**  
Finance, Economics  
and Policy Club

**SEED:**  
Strategy,  
Entrepreneurship  
& Business  
Development Club



**Lawgical Club**  
Law, Legal and  
Regulatory  
Framework  
for Businesses Club

**Intensity:**  
Marketing &  
Operations Club



**Nexus:**  
Project  
Management Club

### Non-Academic Committees & Clubs

**Alumni  
Committee**



**Placement  
Committee**

**Aspire  
Sports &  
Cultural Committee**



**ASPDC  
Club**

**Painting  
Club**



**Media  
Club**



# Experiential Learning





Life @ Adani University









## Admissions

If you have the potential to succeed in an academically challenging and innovative environment, we look forward to receiving your application.

[Apply Now](#)



**9099900872**



**[admissions.fest@adaniuni.ac.in](mailto:admissions.fest@adaniuni.ac.in)**

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Adani University, Shantigram, Ahmedabad, India

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