

INSTITUTE OF INFRASTRUCTURE, TECHNOLOGY, RESEARCH AND MANAGEMENT

(An Autonomous University established by Government of Gujarat)

B.Tech. | M.Tech. | Ph.D

INSTITUTE OF
INFRASTRUCTURE
TECHNOLOGY
RESEARCH
AND
MANAGEMENT

INSTITUTE BROCHURE (2026-27)

Life@IITRAM



About IITRAM

Institute of Infrastructure, Technology, Research And Management (IITRAM) was established by the Government of Gujarat as an Autonomous University in 2013 with an aim to bring about significant change in engineering education with respect to technical and managerial knowledge in the area of Infrastructure. The objective of this Institute is to serve as a Center of Excellence in Research and Teaching in all areas pertaining to Infrastructure. The Institute has a vision of acquiring a status of National Importance in Infrastructure and related areas.

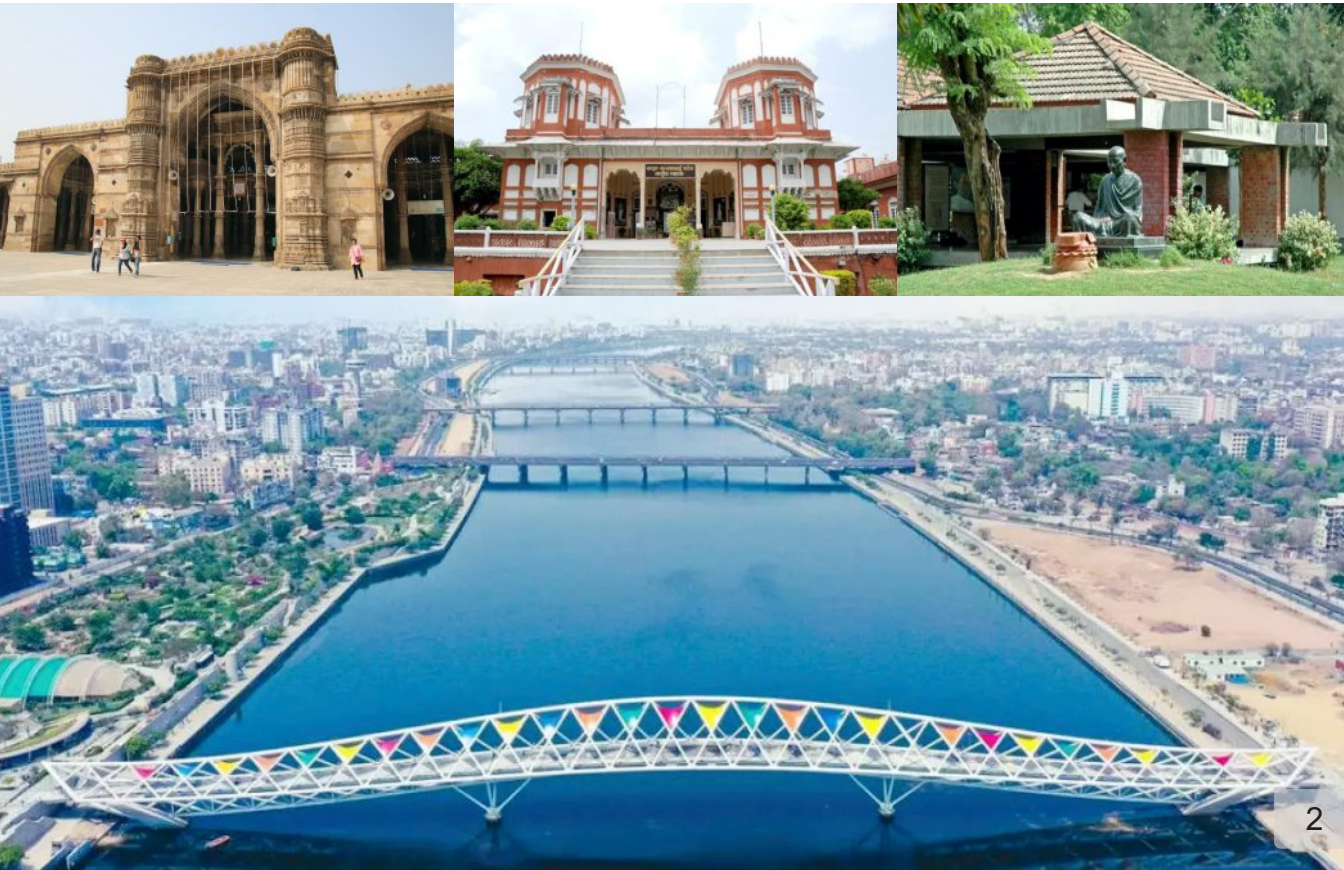
IITRAM is located in Maninagar (East), Ahmedabad, Gujarat, which is one of the oldest living cities in India; known for both its rich cultural history as well as state-of-the-art Infrastructure, thriving industries and many modern amenities. Ahmedabad is declared as a World Heritage City by UNESCO. The city is well connected nationally/internationally by road, rail and air.



About Ahmedabad

Ahmedabad, one of India's fastest-growing cities, boasts well-developed infrastructure with a blend of modern and historic elements. It has a robust road network, including the Sardar Patel Ring Road and BRTS (Bus Rapid Transit System), ensuring smooth urban mobility.

The Sabarmati Riverfront Project has enhanced public spaces, while the metro system is expanding connectivity. Industrial zones, IT parks, and world-class educational institutions contribute to its economic growth. With smart city initiatives and sustainable urban planning, Ahmedabad continues to evolve as a major commercial and cultural hub in India.



About Gujarat

Gujarat is one of India's most industrially advanced and infrastructurally developed states, playing a vital role in the country's economic growth. Strategically located with a long coastline, it boasts an extensive network of ports like Mundra and Kandla, which support robust trade and logistics.

The state has made significant investments in roadways, railways, and urban transport systems, contributing to seamless connectivity across industrial hubs. Gujarat's well-planned industrial zones, including Special Economic Zones (SEZs) and the Delhi-Mumbai Industrial Corridor (DMIC) node, enhance its appeal for investment. Additionally, proactive governance and public-private partnerships have driven the rapid development of smart cities, renewable energy projects, and water management systems, positioning Gujarat as a model for sustainable infrastructure growth in India.



Board of Governors



Prof. Sudhir K. Jain
Former Vice Chancellor,
Banaras Hindu University
Chairman, BoG, IITRAM



Shri Mukesh Kumar (IAS)
Additional Chief Secretary
(Higher and Technical Education)
Government of Gujarat,
Member (Ex-officio)



Shri Dilip Kumar Rana (IAS)
Commissioner
Directorate of Technical Education,
Member (Ex-officio)



Prof. Gaurav Srivastava
Department of Civil Engineering
IIT Gandhinagar
Member



Shri Anand Mohan Tiwari
Former Additional Chief Secretary,
Government of Gujarat
Member



Prof. Barjor Mehta
President, CEPT University
Member



Dr. Yogesh Shah
I/C Registrar, IITRAM
Secretary, (Ex-officio)



Shri Jenu Devan (IAS)
Secretary, Expenditure
Finance Department
Government of Gujarat,
Member (Ex-officio)



Dr. Sunil R. Parekh
SPoC Sustainability @ Zydus Group and
Strategic Advisor @ Jubilant Bhartia Group
Fellow ICA Arbitration
Member



Prof. Dheeraj Sanghi
Dean Student Affairs
Ashoka University
Member



Ms. Manvita Baradi
Founder and Director
Urban Management Centre
Member



Prof. Pramod Kumar Jain
Director General, IITRAM
Member (Ex-officio)

Academic Council



Prof. Pramod Kumar Jain
Director General, IITRAM
Chairman (Ex-officio)



Prof. Vikram Gadre
Department of Electrical Engineering
IIT Bombay
Member



Prof. S.K. Barai
Director
BITS Pilani, Pilani Campus
Member



Prof. S. P. Mehrotra
Visiting Professor
IIT Gandhinagar
Member



Prof. M. K. Barua
Director, (SoET)
Member



Dr. Jaidevi Jeyaraman
Dean, Academic Affairs &
Head of the Department
Department of Civil Engineering
Member



Dr. Kumar Abhishek
Dean
Student Affairs
Member



Dr. Dileep Gupta
Head of the Department
Department of Mechanical & Aerospace Engg.
Member



Dr. Prakash A. Dabhi
Head
Department of Basic Sciences
Member



Dr. Yogesh Shah
I/C Registrar, IITRAM
Secretary, (Ex-officio)

Infrastructure Facility

Academic Area

- Modern Classroom with AC facilities
- Central Library
- Engineering Workshop & 60+ Laboratories
- Gymnasium & Clubs
- Medical/Health room
- Sports Arena & Cafeteria
- Relaxing Room for Girls
- Open Air Theatre & Print/Xeroxing Facilities
- Design Lab & e-Yantra Lab

Hostel/Residential Area

- Capacity: 960 Boys + 288 Girls
- Guest House
- Swimming Pool
- Indoor Games
- Computer Center
- Students' Mess



Main Building



Language Lab



Central Library



Smart Classroom



Gym



Reading Room



Sports Center



Cafeteria

Deans & Heads

Deans



Dr. Jaidevi Jeyaraman
Dean
(Academic Affairs)



Dr. Mahuya Bandyopadhyay
Associate Dean (PG & R)
(Academic Affairs)



Dr. Ajit Kumar Parwani
Dean
(Research and Development)
Additional Charge, Dean (Faculty Affairs)



Dr. Pramod Bhingole
Dean
(Outreach and Alumni Affairs)



Dr. Jiten Shah
Dean
(Infrastructure Planning and Support)



Dr. Kumar Abhishek
Dean
(Student Affairs)



Dr. Yogesh Shah
Dean
(General Administration)

Heads of the Departments



Dr. Prakash Dabhi
Basic Sciences



Dr. Jaidevi Jeyaraman
Civil Engineering



Dr. Priyesh Chauhan
Electrical and Computer Science
Engineering



Dr. Dileep Gupta
Mechanical and Aerospace
Engineering



Dr. Pravin Jadhav
Humanities and Social Sciences

Institute Achievements



Ranking Frame work
(GSIRF - 2024)
5 Star Rating

NIRF 2025
State Public Universities
Band 51 - 100

One Nation
One Subscription
ONOS

Research Papers
Published
1200+

Books/Chapters
Published
200+

Patents Filed |
Granted
85+ | 35+

Student to faculty
Ratio
Less than 15

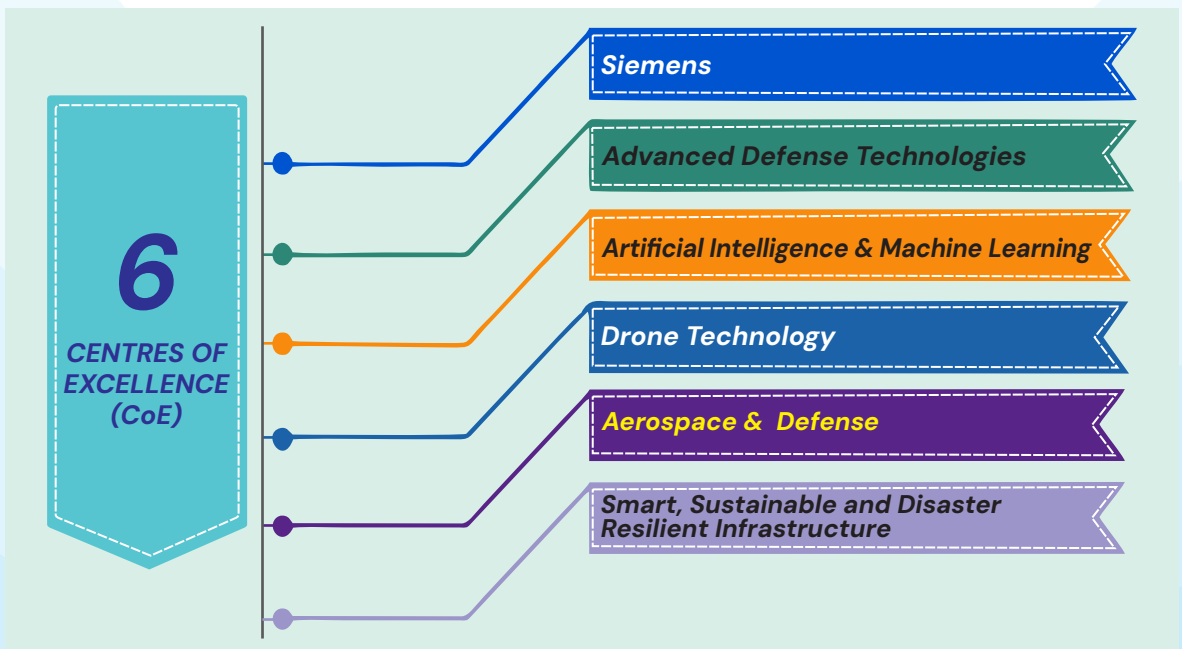
All Faculty
members are
Ph.D. Holders

Collective
h- index
62

Ph.D. Thesis
ongoing | submitted | awarded
86 | 06 | 51

Total Research Projects | Total Grant
32 | Rs. 687 Lakhs

- Technical Consultancy Services to Govt, Semi-Government & Private Sector Organizations.
- Providing Advanced teaching-learning system through MOOCs, MOODLE, NPTEL, Coursera, etc.



Programs Offered

Courses

Program	Discipline	Intake
B.Tech. (4 Years)	Civil Engineering	108
	Electrical Engineering	96
	Mechanical Engineering	96
	Computer Engineering	84
M.Tech. (2 Years)	Civil Engineering	20
	Electrical Engineering	25
	Mechanical Engineering	15

Ph.D.: Civil, Electrical, Mechanical and Computer Engineering, Basic Sciences, Humanities and Social Sciences.

M.Tech. Specializations:

Civil Engineering: Geotechnical Engineering, Urban Infrastructure

Electrical Engineering: Electrical Infrastructure, Communication Engineering

Mechanical Engineering: Industrial Infrastructure

Minor Programs:

- Drone Technology
- Computer Science & Engineering
- Management

Honours Programs:

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Computer Engineering

Additional Learning:

- Avenues of additional learning by taking extra courses are open as envisaged in NEP 2020.

Micro-Specialization Programs:

- Cryptography and Number Theory
- Computational Mathematics
- Corrosion Science and Technology
- Solar Energy Materials & Technology
- Human Resource Management
- Infrastructure Finance
- Construction Management
- VLSI Design
- Cyber Security
- Data Analytics and Machine Learning
- Industrial Safety Engineering & Management
- Nanotechnology & Functional Nanocomposites
- Intelligent Human Robot Interactions

Faculty Members

Dr. Anand Mehta
Ph.D.-IIT Kanpur (2017)

Dr. Ayyanna Habal
Ph.D.-IIT Bombay (2020)

Dr. Himanshu Sharma
Ph.D.-IIT Roorkee (2016)

Dr. Jaidevi Jeyaraman
Ph.D.-IIT Kanpur (2012)

Dr. Jiten Shah
Ph.D.-SVNIT Surat (2016)

Dr. Kannan Iyer
Ph.D.-IIT Bombay (2015)

Dr. Mahesh Mungule
Ph.D.-IISc Bangalore (2012)

Dr. Mamta Sharma
Ph.D.-IIT Delhi (2014)

Dr. Manoj Langhi
Ph.D.-Kyoto Uni. Japan (2013)

Dr. Nishant Sharma
Ph.D.-IIT Guwahati (2020)

Dr. Rohan Kar
Ph.D.-IIT Bhubaneshwar (2023)

Dr. Trudeep Dave
Ph.D.-IIT Bombay (2013)

Dr. Veerabhadra Rotte
Ph.D.-IIT Bombay (2014)

Dr. Yogesh Shah
Ph.D.-IIT Roorkee (2014)

Achievements/Highlights

- Research projects (5 with total amount Rs. 107.66 lakhs).
- Total publications (Last 5 years) **83+** Journal papers and **72+** Conferences / Book Chapters.
- B.Tech. and M.Tech. students of Civil Engineering, IITRAM received The Gujarat Institute of Civil Engineers and Architects (GICEA) Gold Medals for 3 consecutive years.
- Conduct regular site visits for students to give them exposure on live projects.
- Training of practicing engineers/technicians **1000+** (L & T and affiliated organizations for high speed rail project, Municipals Engineers, GWSSB Engineers etc.).
- Providing research and consultancy services for top organization in India and abroad.

Important Laboratories:

- Hydraulics Laboratory
- Surveying & Geoinformatics Laboratory
- Soil Mechanics Laboratory
- Transportation Engineering Laboratory
- Smart & Sustainable Materials Laboratory
- Advanced Instrumentation Laboratory
- Environmental Engineering Laboratory
- Construction Materials Laboratory
- Structural Analysis Laboratory
- Concrete Laboratory



Faculty Members

Dr. Abhishek Rawat
Ph.D. – MANIT Bhopal (2012)

Dr. Ashish Soni
Ph.D. – IIT Dhanbad (2022)

Dr. Dharmendra Sadhwani
Ph.D. – MANIT Bhopal (2018)

Dr. Krupa Shah
Ph.D. – IIT GN (2015)

Dr. Kshitij Bhargava
Ph.D. – IIT Indore (2016)

Dr. Manjunath K
Ph.D. – IIT Hyderabad (2017)

Dr. Prasun C Tripathi
Ph.D. – IIT Dhanbad (2022)

Dr. Priyesh Chauhan
Ph.D. – IIT Delhi (2014)

Dr. Raghavendra H. Bhalerao
Ph.D. – IIT Bombay (2016)

Dr. Rahul Kumar
Ph.D. – IIT Jodhpur (2020)

Dr. Ram Narayan Yadav
Ph.D. – IIT Patna (2017)

Dr. Ravi Bhandari
Ph.D. – IIT Bombay (2020)

Achievements/Highlights

- Highest Publications, books and granted patents in the institute.
- Collaboration with reputed research organizations/industries like SAC-ISRO, GCRI Ahmedabad, National University of Singapore, Queensland University Australia, Kumamoto University Japan, GETCO- Vadodara, Hyundai Transformers-USA, Solid Pro-Chennai, etc.
- Recognition of a faculty member in the department among the top 2% of researchers worldwide for 5 consecutive years (2019-2023) as published by the Stanford University.
- ~12 years of average experience of the department faculty.
- >700 average citations of the department faculty.
- Significant number of research/consultancy projects amounting to Rs.1.8 Crores.

Important Laboratories:

- Power Systems Laboratory
- Communication Systems Laboratory
- Control Systems Laboratory
- Electrical Machines Laboratory
- Electronic Devices & Circuits Laboratory
- High Performance Computing facility
- Distributed Computing and Networking Laboratory
- Information Systems and Data Analytics Laboratory
- Computing Laboratory



Faculty Members

Dr. Ajit Kumar
Ph.D. – IIT Kanpur (2019)

Dr. Ajit Kumar Parwani
Ph.D. – IIT Delhi (2013)

Dr. Dileep Gupta
Ph.D. – BITS Pilani (2014)

Dr. V M Ganesh Iyer
Ph.D. – IIT Kanpur (2018)

Dr. Kamlesh Joshi
Ph.D. – IIT Bombay (2019)

Dr. Kumar Abhishek
Ph.D. – NIT Rourkela (2016)

Dr. M K Barua
Ph.D. – IIT Madras (2008)

Dr. Mithilesh K. Dikshit
Ph.D. – NIT West Bengal (2016)

Dr. Navneet Khanna
Ph.D. – BITS Pilani (2013)

Dr. PL. Ramkumar
Ph.D. – BITS Pilani, Goa (2016)

Dr. Pramod Bhingole
Ph.D. – IIT Roorkee (2014)

Dr. Sumit Tripathi
Ph.D. – IIT Bombay (2017)

Achievements/Highlights

- International Conference Organized :07.
- Workshop STTP/FDP Conducted:26.
- Research Projects: 17 (Rs.155.69 lakhs (Completed) + Rs. 542.81 lakhs (Ongoing).
- Research Publications: 312 (Journals) + 353 (Conferences + Book Chapters) Citations: 11829, H Index:156.
- Patents: (15 Granted + 22 published).

Add on Program: Honours Program

- Minor in Drone Technology
- Micro-specialization
 1. Intelligent Human Robot interactions
 2. Nanotechnology and functional Nanocomposites
 3. Industrial Safety Engineering and Management

Important Laboratories:

- Advanced Refrigeration and Air Conditioning Laboratory
- Central Workshop Facility
- Aerodynamics And Propulsion Laboratory
- Internal Combustion Engine Laboratory
- Heat And Mass Transfer Laboratory
- State-of-the-art Robotics and Automation Laboratory
- Theory of Machines And Mechanisms Laboratory
- Fluid Machinery Laboratory
- Advanced Manufacturing Processes Laboratory
- Strength of Materials Laboratory
- Dynamics and Vibration Laboratory
- Metrology Laboratory
- Material Science & Engineering Laboratory
- CAD/CAM High Speed Computational Laboratory
- Aerial Robotics Laboratory



Faculty Members

Dr. Brajesh Tiwari
Ph.D. – IIT Madras (2014)

Dr. Gautam Borisagar
Ph.D. – IIT Bombay (2014)

Dr. Mahuya Bandyopadhyay
Ph.D. – Ruhr Uni, Germany (2005)

Dr. Manoj Choudhuri
Ph.D. – TIFR (2015)

Dr. Mohit Kumar
Ph.D. – IIT Roorkee (2013)

Dr. Prakash A. Dabhi
Ph.D. – SP University (2010)

Dr. Ravi Kashikar
Ph.D. – IIT Madras (2020)

Dr. Sourav Das
PhD – IIT Kanpur (2014)

Dr. Sudhakar Chaudhary
Ph.D. – IIT Delhi (2014)

Achievements/Highlights

The Department of Basic Sciences comprises of Physics, Chemistry and Mathematics disciplines.

Mathematics: Mathematics discipline has a very dynamic and strong team. There are five faculty members who have research specialization in areas like Banach Algebras, Harmonic Analysis, Fuzzy Sets and its applications in Reliability, Multi-Criteria Decision Making, Optimization, and Statistics, Intuitionistic Fuzzy Set Theory, Partial Differential Equations, Finite Element Methods, Isogeometric Analysis (IGA), Mesh-free Methods. Number Theory, Modular Representation Theory, Modp- Local Langlands Program. Number Theory and Dynamical Systems, Lie Groups and Topological Groups.

Chemistry: The faculty members in Chemistry have expertise in the field of Physical, Inorganic, Applied and Material Chemistry. Chemistry laboratory is designed to support and illustrate chemical concepts studied in the lecture portion. This laboratory is equipped with high end equipment like Gas Chromatography, UV Visible Spectrophotometer, Heating Oven, Muffle Furnace, High Vacuum Pump, Rota Evaporator, Heat Controlled Magnetic Stirrer, Heating Mantle, pH Meter, Conductivity Meter, Potentiometer, UV Chamber etc.

Physics: The faculty members in Physics are working in the area of theoretical and experimental fields. The theoretical research is focused on the investigation of material properties through Density Functional Theory. We currently use packages like Quantum Espresso and Wien2k to carry out the simulations at the Institute's High-Performance Computing Facility.

Important Laboratories:

- Chemistry Laboratory
- Physics Laboratory
- Mathematics Laboratory



Faculty Members

Dr. I Watitula Longkumer
Ph.D. IIT Indore (2018)

Dr. Meera A. Vasani
Ph.D. Saurashtra Uni. (2013)

Dr. Pravin Jadhav
Ph.D. IIFT (2015)

Dr. Saurabh Sinha
Ph.D. Banaras Hindu Uni (2022)

Dr. Shukkoor.T
Ph.D. IIT Kanpur (2014)

Achievements/Highlights

- The Department comprises of four disciplines including Economics, English, Psychology, and Sociology with faculty offering a wide range of graduate and postgraduate courses and engaging in interdisciplinary research on contemporary issues.
- The Department offers doctoral programmes in all four disciplines. The Ph.D. programme has been running since 2017 offering advanced research opportunities. At present, there are 14 research scholars working towards their Ph.D. degrees and 05 students have already been awarded their degrees.
- The Department offers a Minor in Management program to students from all branches of engineering. Alongside, the Department also offers Micro Specialization programs in Human Resource Management and Infrastructure Finance.
- The HSS Department leads impactful research, including export potential of AYUSH products (₹10L), Jal Jeevan Mission and Health Outcomes (₹9L), Bhil Socio-Cultural Studies (₹6L), PM Fasal Bima Yojana Assessment (₹10.89L), and Naga Oral Heritage Documentation (₹4L), showcasing its commitment to multidisciplinary and nationally significant projects.

ICT-Enabled Skills Lab

- The Department has developed an advanced, futuristic Skills Lab emphasizing activity-based learning and real-life simulations to internalize soft skills effectively.
- The lab offers structured modules on Communicative English, Leadership, Teamwork, Interview Skills, and more, ensuring skills are practiced, monitored, and measured for lifelong impact.
- The lab is equipped with a console, audio-visual technology, and specialized language learning software, allowing students to practice language skills interactively through digital tools like listening exercises, recording their speech, and interacting with virtual conversations.



Coordinator

Dr. Pramod Bhingole

Co-coordinator

Dr. Priyesh Chauhan

Achievements/Highlights

- Training Programs: Organized 14 programs with 815 participants, covering topics like PLC, SCADA, Induction Motor, NX-Designers, Synchronous Modeling, Drafting, Sheet Metal Design, Advanced Simulation, Mechatronics, and Rapid Prototyping.
- Workshops: Conducted 2 workshops on Siemens NX and Siemens Automation with 150 participants. Also hosted workshops on Metallography and Microstructure (50 participants) and Advanced 3D Casting Design and Simulation Techniques.
- Seminars: Held 2 seminars on Industrial Automation and Mechatronics with 200 participants. Additionally, hosted an invited talk by Prof. V. Vitry on "Cemented Carbides – The Importance of Ball Milling Parameters."
- Student Exchange Program: Facilitated a visit for 10 IITRAM students to the Siemens plant in Bangalore.
- Internship Opportunities: Placed 20 IITRAM students in Siemens companies for internships.
- Additional Visits: Students of the 3rd Semester Manufacturing Department of CIPET visited the Siemens Center of Excellence at IITRAM.

Important Laboratories

- CIM Laboratory
- Electrical Laboratory
- RPT (Rapid Prototyping Lab)
- Mechatronics Laboratory
- Design & Validation Laboratory
- CNC Programming Laboratory
- Automation Laboratory
- Process Instrumentation Laboratory
- Advance Manufacturing Laboratory



Coordinator

Dr. PL Ramkumar

Co-coordinator

Dr. Kamlesh Joshi

Achievements/Highlights

- Successfully offered elective courses to undergraduate students of IITRAM in collaboration with the Institute of Defence Scientists & Technologists (IDST)–a registered society approved by DRDO and recognized as a Scientific and Industrial Research Organization by DSIR, Ministry of Science & Technology, Government of India.
- The Institute of Defence Studies and Research (IDSR) established in partnership with Gujarat University.
- Organized two high-impact expert talks on Electronic Warfare Systems and Bioinspired Robotics, providing valuable exposure to cutting-edge defence and technological advancements.
- Successfully hosted the 5th International Conference on Recent Advances in Mechanical Infrastructure (ICRAM 2025) in association with the Centre for Systems Science and Technology (CSST), IIT Roorkee and the Department of Mechanical Engineering, SVNIT Surat.
- Filed and secured a 10-year patent on material innovations related to quadcopter design and development, marking a significant contribution to UAV research and technology.
- Published high-quality research outputs in peer-reviewed SCI/Scopus -indexed journals, international Conferences, and edited book volumes, reinforcing the Centre's academic footprint.
- Established a dynamic ecosystem for B.Tech final year projects and internships, benefitting students from IITRAM as well as those from other premier and regional institutions across India.
- Procured advanced instrumentation and computational facilities to support research and development in next-generation defence technologies, including simulation, prototyping, and material testing.

Important Laboratories

- Autonomous Vehicles Research Studio
- Control and Navigation of Aerial Vehicles Laboratory
- Signal Processing and Sensors Laboratory
- Advanced Material Testing Laboratory (Under process)



Coordinator

Dr. Abhishek Rawat

Co-coordinator

Dr. Ajit Kumar

Achievements/Highlights

- Established a dedicated Laboratory with advanced lab infrastructure for Drone Technology
- Successfully designed, developed/assembled high-end Drones of various categories (Nano, Micro, Medium) with different configurations.
- Conducted hands-on training programs and workshops, benefiting students, researchers, and industry participants
- Achieved DGCA-aligned training for three personnel.
- Collaborations with industry and government organizations
- Published high-quality research papers in UAV design, flight control, and AI-based systems
- Enabled student participation and success in national-level drone and robotics competitions
- Initiated work in emerging areas such as AI-enabled drones, swarm intelligence, and autonomous navigation
- Built strong industry and academic partnerships to foster innovation and technology transfer

Important Laboratory: Drone Technology Lab (L603)

Key Contributions

- Advanced research in UAV design, Swarm Technology, Antidrones, and control systems
- Development of high-altitude Drones
- Development of AI/ML-based models for autonomous decision-making and performance prediction
- Contribution to skill development and capacity building in drone technology
- Support for interdisciplinary research integrating aerospace, electronics, and computer science
- Establishment of Testing, Calibration, Simulation, and Validation frameworks for Drone systems
- Providing support to local governing bodies in Drone applications
- Providing consultancy and technical expertise to industry and government agencies



Coordinator
Dr. Ashish Soni

Co-coordinator
Dr. Raghavendra Bhalerao

Achievements/Highlights

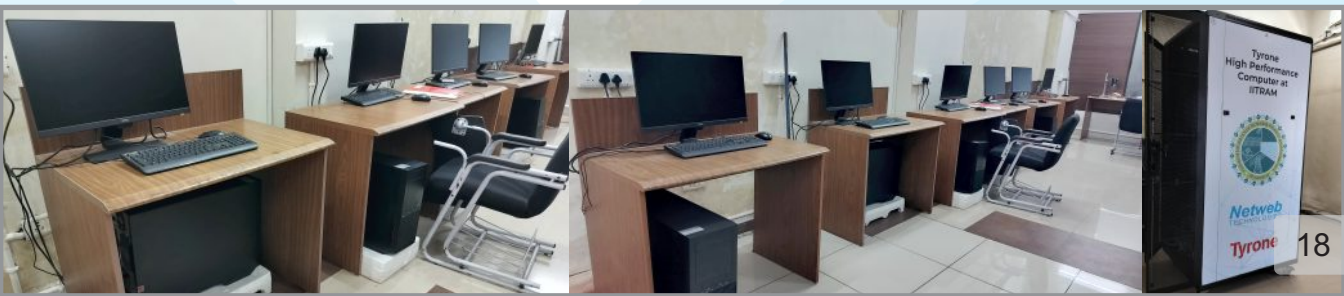
- Training programs on using High performance computing facility and AI-ML application design using python programming.
- Research work in the domain of Electrical Infrastructure, Healthcare with industry partners.
- Summer Research Internship for UG students.

Important Laboratories

- High perform GPU-bond server (24x7 throughout)
- High performance computers facility (L-604)
- Information systems and Data Analytics lab(L-308)

Activities

- Research projects in the domain of AI-ML + Healthcare and AI-ML + Transportation.
- Workshops, training programs and expert talks.
- Student research internships.
- Extension of facility is being planned for big data processing from GoG.
- Conducted "Agentic AI" workshop for UG/PG/Ph.D. students.



Coordinator

Dr. Sumit Tripathi

Co-coordinator

Dr. Mithilesh Dikshit

Achievements/Highlights

- Minor Programme in Drone Technology (earlier Minor in Aerial Robotics) offered to B.Tech. students as per mandate of CoE A&D.
- 3 state-of-the-art laboratories are developed Aerial Robotics, Aerodynamics and Propulsion and High Speed Computational Laboratories having various specialized equipment(s).
- Trained manpower: over 200 school and university students during institute visits; more than 60 undergraduate students through minor programs and various projects; and over 10 postgraduate students for their Ph.D./M.Tech. research work.
- Support to incubation of defence related startups in SSIP IITRAM.
- 2 research projects with funding of 28.2 Lakhs are supported.
- Providing research facilities to students as well as faculty/staff.
- Publications in reputed international journals (10+), conference papers/book chapters (15+), and design patents (3 filed).
- Organized multiple outreach activities, including the National Conference RADAR 2025, invited talks by ISRO scientists, academic visits, and induction program on water rockets, among others. Additionally, several activities are planned for the upcoming year.

Laboratories and Equipments

- Aerial Robotics Laboratory: Various UAVs, Flight Controllers, Indoor & Outdoor Testing Facilities, UAV Flying Arena.
- Aerodynamics & Propulsion Lab: Computer Controlled Axial Flow Gas Turbine Test Rig, Subsonic Wind Tunnel, Aerodynamics Trainer, Smoke Generator, Pitot Tube with Mountings, Digital Multi-Tube Manometer, Six-Component Balance, Pulsating Heat Pipe, PPE kits.
- High Performance Computational Laboratory: High-end Workstations/ Servers, CMOS Camera.
- Parametric analysis of the end milling process, stability & tool wear modelling of ball end milling, experimentation on turning process.
- Designing of direct energy deposition based additive manufacturing setup for fabrication of aerospace structural parts, comparative machinability analysis of aerospace materials.



Coordinator

Dr. Mahesh Mungule

Co-coordinator

Dr. Veerabhadra Rotte

Objectives

- Conduct advanced research on smart, sustainable materials and technologies
- Assess disaster resilience of existing infrastructure and develop improvement frameworks
- Design innovative solutions for current and emerging infrastructure challenges
- Provide training and capacity building aligned with project needs
- Act as a coordination hub for scientists, engineers, and technical experts
- Build a strong statewide network to promote collaboration and best practices
- Enable knowledge and resource sharing across public and private stakeholders.

Important Laboratories

A. Smart and Sustainable Infrastructure

- Sustainable Urban Environment
- Intelligent Transportation System
- Sustainable Construction Materials
- Waste Management and Recycling

B. Disaster Resilient Infrastructure

- Urban Floods, Flood Mitigation and Erosion Studies
- Fire and Earthquake Hazard: Assessment and Mitigation
- Forensic Analysis of Infrastructure Failures

Theme – B: Disaster Resilient Infrastructure

- Urban Floods, Flood Mitigation and Erosion studies:
- Fire and Earthquake Hazard: Assessment and Mitigation
- Forensic analysis of infrastructure failures
- Sustainable Urban Environment
- Intelligent Transportation System
- Sustainable Construction Materials
- Waste Management and Recycling



Chairperson

Dr. Mithilesh K. Dikshit

Vice-Chairperson

Dr. Gautam Borisagar

Vice-Chairperson

Dr. Ravi Kashikar

President

Satyam Kumar

Vice President

Shrey Chaudhari

Vice President

Sakshi Sureka

Achievements/Highlights

- Students can join a group or activity of their choice. It strives to install a culture of sportsmanship and teamwork among students.
- Providing them sports, cultural, and technological facilities.
- SAC hosts a wide range of clubs, such as sports and games, literary and cultural, science and technology.
- Various clubs which are managed by the students under the guidance of SAC's Chairperson, Vice-Chairperson and Dean (Student Affairs).

Clubs

Satellite Clubs under Sports & Games

- Chess club
- Kabaddi Club
- Gymnasium
- SKI

Satellite Clubs under Literary & Cultural

- Fine Arts
- Performing Arts
- Singers Club
- Drama Club
- NEST Club
- INK
- Dayatva
- Economics Club
- NSS

Satellite Clubs under Science & Technology

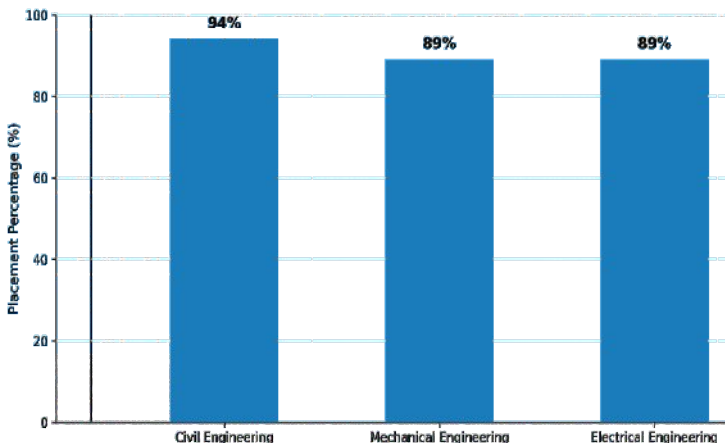
- Coding Club
- Robotics and Aero modelling Club



Chairperson
 Dr. Mahesh Mungule

Co-Chairperson
 Dr. Ganesh Iyer

Branch-wise Placement Performance - 2025



91%
 Overall Placement

₹45 LPA
 Highest Package

₹6 LPA
 Average Package

TOP RECRUITERS

 TATA CONSULTING ENGINEERS LIMITED		 Cognizant	
		 Foundation for the Future	
			
	 Your Trusted Outsourcing Partner	 IMEG Engineering Pvt. Ltd.	
	 An Arrow Company		

Dean

Dr. Bhingole Pramod P.

MoUs with Leading International and National Universities, Research Organizations and Industries including:

International Collaborations:

- Kunsan National University (KNUS), Republic of Korea
- Louisiana State University Shreveport (LSUS), USA
- University of Bath, UK
- Hiroshima University, Japan
- University of the Basque Country, Spain
- University of Ljubljana, Faculty of Mechanical Engineering, Slovenia
- CESI Graduate School of Engineering, France
- The Indian High School, Dubai, UAE

National Collaborations:

- CSIR–Central Road Research Institute (CRR), New Delhi
- Indian Institute of Technology, Ropar
- Indian Institute of Technology, Roorkee
- Indian Institute of Technology, Patna
- SVNIT, Surat
- Gujarat Knowledge Society (GKS), Ahmedabad

Academic and Research Collaborations with leading international universities, including:

- LSUS, USA
- Hiroshima University, Japan
- Japan Kumamoto University
- University of South Queensland, Australia

Student–Led Startups, including:

- Rudraboat • Skill3D • Nakshatra Labs • Biosteem
- Funding Support for Student Startups, Innovations, and Intellectual Property Rights (IPR).
- Expert Talks by leading industry professionals and renowned academicians.
- Organization of International and National Conferences, Workshops, and Short–Term Training Programs in collaboration with IITs, international universities, and research organizations.





Dean

Dr. Bhingole Pramod P.

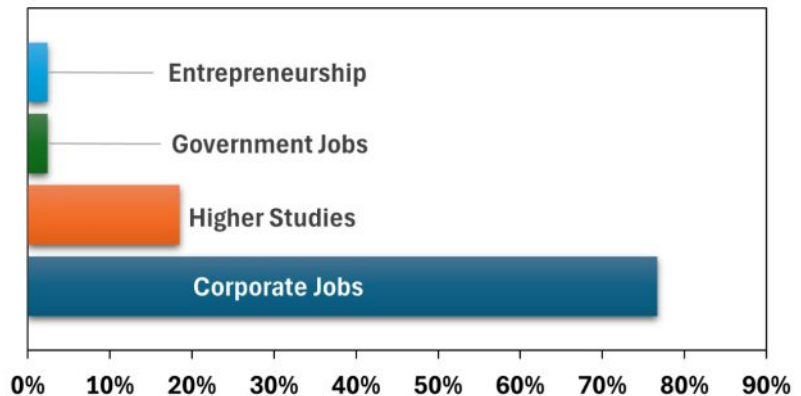
Coordinator

Dr. Ravi Bhandari

Achievements/Highlights

- Currently 1200+ Alumni registered.
- Alumni working in various Industries and Academia including Mercedes Benz, Air India, Tata Elxsi, IOCL, Hitachi, Cognizant, American Express, IIM Bodh Gaya, Infosys, TCS, Micron among others.
- Many Alumni are running successful ventures and providing jobs. Notable among them are Vayunotics, Pratham, etc.
- Alumni Cell is running a series titled "Know Your Alumni", where Alumni from different areas come and interact with the students of IITRAM, share their journey, and motivate them towards becoming successful engineers and thinkers.
- Alumni cell has planned events such as Batch photograph, E-Summit, Annual Alumni Meet and others.

Our Alumni



Coordinator
Dr. Himanshu Sharma

Team Leader
Dr. Gautam Borisagar

Team Leader
Dr. Ajit Kumar

Team Leader
Dr. Jiten Shah

Team Leader
Dr. Priyesh Chauhan

Team Leader
Dr. Pravin Jadhav

About SSIP 2.0:

SSIP 2.0 is a Student Start-up and Innovation Policy launched by Education Department, Government of Gujarat under which Institute is receiving the Financial Grants to support the innovation and start-up ideas of students. The duration of this program is from October 2023 to March 2027.

Achievements/Highlights

- **Holistic Ecosystem:** The SSIP Cell aims to create a comprehensive ecosystem that supports student-led innovation and entrepreneurship, from ideation to product development and market entry.
- **Pre-Incubation Support:** The policy provides pre-incubation support to help students develop and refine their ideas.
- **Resource Availability:** The SSIP Cell provides access to a variety of resources, including financial support, technical expertise, mentorship, and networking opportunities.
- **Emphasis on Education:** The Cell's initiatives are designed to equip students with the knowledge, skills, and mindset necessary to succeed in the world of entrepreneurship.
- **Collaboration and Partnerships:** The SSIP Cell collaborates with various stakeholders, including industry experts, mentors, and other ecosystem players, to provide comprehensive support to students.
- **Focus on Sustainable Impact:** The Cell's efforts are aimed at creating a sustainable impact on the startup ecosystem in Gujarat, fostering a culture of innovation and entrepreneurship.
- **SSIP 2.0 in IITRAM has reached over 1000+ students by conducting Sensitization Programs.**
- **Financial support for Proof of Concept / Prototype Projects: 09 Projects, Rs. 4.53 lacs.**
- **Financial support for IPR fillings: 26 IPR, Rs. 7.93 Lacs.**
- **Mentorship provided for Projects: 40+.**



Students' Feedback



Jeet Patel
B.Tech.
Civil Engineering
2017-2021
Structure Engineer,
Technip Energies,
Gandhinagar

I want to express my gratitude for the education, training, and guidance I received during my time at IITRAM. The faculty and staff were truly dedicated to their work, and went above and beyond to ensure that we received the best possible education. I believe that the education and experiences I gained during my time at IITRAM have had a significant impact on my career and personal growth. I would like to thank IITRAM for the memories and experiences that have shaped my life. It is an honor to be a part of the IITRAM community and I look forward to contributing to the institution in any way possible.



Tanmay Pancholi
B.Tech.
Mechanical Engineering
2018-2022
Co-Founder & CTO,
QOPTO Technologies Pvt. Ltd.

Since I came from Vadodara, this institute for me always stood as a home away from home where I got an entire team of highly qualified faculties alongside the lifelong hostel memories. The support and guidance that I got here, got me through my entire BTech career; may it be faculty, staff or friends. The SSIP Cell at IITRAM boosts up all the Tech savvy minds and helps them direct their idea towards a product, which in my case turned out as me being a Director and CTO (Chief Technology Officer) of the drone-tech startup which was initiated at SSIP which now is a Private Limited company.



Atrey Solanki
B. Tech.
Mechanical Engineering
2016-2020
Grade-A Officer,
Indian Oil Corporation Ltd.,
Jamnagar, Gujarat.

I have spent amazing 4 years (2016-20) in IITRAM doing my B.Tech in Mechanical engineering discipline which I'll always cherish. I met some of the best teachers who guided me to do better and best in my career. They were all very supportive in friendship and competitive during study at the same time, which is the best thing any student could wish for during college life. IITRAM had given me ample opportunities through various fests to display my hobbies. I consider myself lucky enough to have encounter of all these experiences, Good ones as well as Bad ones which shaped me as a person I am today.



Shreyansh Shukla
B. Tech.
Mechanical Engineering
2014-2018
Deputy Executive
Engineer, Govt. of Gujarat
Ex-Scientific Officer,
Department of Atomic
Energy, Govt. of India

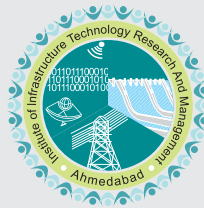
IITRAM provides excellent platform to prepare for almost any type of future endeavours, be it competitive examinations for govt jobs, start up, Research, higher studies from premium institutes and many more. Expert faculties from all the fields are available to guide you towards your goal. IITRAM also provides state-of-the-art equipment to enhance your skills in latest technology. I feel very lucky and blessed to be part of this institute.

Convocations@IITRAM



Equipment@IITRAM





INSTITUTE OF INFRASTRUCTURE, TECHNOLOGY, RESEARCH AND MANAGEMENT

(An Autonomous University established by Government of Gujarat)

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