



ENGINEER YOUR FUTURE

21st century has witnessed unprecedented engineering marvels in all spheres. Aviation, Telecommunications, Medicine, Automobiles, Aeronautics et al. The next century is all set to raise the benchmark even further. Envision the potential. Envisage the possibilities. Its simply unfathomable.

INFRASTRUCTURE

A country's infrastructure development is directly proportional to its economic growth and vice-versa. Being one in the rat race of developing countries, India requires the best Infrastructure and to get moulded into better engineers with infrastructure insight and management skills.

IITRAM is the right place for you!

I NSTITUTE OF
I NFRASTRUCTURE
T ECHNOLOGY
R ESEARCH
A ND
M ANAGEMENT



ABOUT US

Institute of Infrastructure, Technology, Research And Management (IITRAM) established by the Government of Gujarat as an Autonomous University is instrumental in bringing about a profound change in Engineering Education with specialization in Infrastructure and Management of Infrastructure to create center of excellence, to organize advanced studies and to promote research in Infrastructure & Infrastructure Management.

Best minds will nurture the young minds into developing a futuristic approach to Infrastructure with greater than ever emphasis on Research & Innovation.

India is poised for giant strides in Infrastructure development. IITRAM is ready to incubate young minds towards achieving this goal.

CRADLE TO CAREERS



OBJECTIVES

- To impart knowledge and offer courses with specialization in Infrastructure and Management of Infrastructure in particular.
- To impart knowledge in the other areas of higher education with focus on science, technology, management and allied areas.
- To develop training facilities for urban bodies, industry and technical teaching and other allied bodies.
- To be an open institution to attract best minds of the world (students as well as faculty) and to be globally competent.
- To setup innovation foundation, technology parks, knowledge parks and technology incubators to foster entrepreneurship.

ADMINISTRATION

- Institute of Infrastructure, Technology, Research And Management (IITRAM), situated in the throbbing city of Ahmedabad in Maninagar area, is established as a University under Gujarat State Legislature Act no. 5 of 2013.
- IITRAM is governed by the Board of Governors (BoG). BoG comprises of Chairman, Director General, three ex-officio Secretary from Government of Gujarat, two academicians, One VC or ex-VC and three experts from different areas.
- The Academic Council is the principal academic body of the University. It consists of the Director General (Chairman of the council), three academicians, two directors, two Deans and Faculties of University school.
- The Finance Committee consists of the Chairman, one member of BoG, Director General, Secretary of Gujarat Finance Department, ex-officio, and one expert in the field of finance nominated by BoG.
- Registrar is the Secretary of the BoG, the Academic Council as well as the Finance Committee.



BOARD OF GOVERNANCE

Shri Sudhir Mehta
Chairman, Torrent Group
Chairman, BoG, IITRAM

Shri K. V. Rangaswami
Advisor to the Chairman, L&T
Member, BoG, IITRAM

Dr. Sudhir K. Jain
Director, IIT, Gandhinagar
Member, BoG, IITRAM

Dr. J. N. Singh, IAS
Addl. Chief Secretary,
Finance Department, GoG,
Member, BoG, IITRAM

Shri Mukesh Puri, IAS
Principal Secretary ,
Higher & Technical Education, GoG,
Member, BoG, IITRAM

Shri Mukesh Kumar, IAS
State Project Director, SSA, GoG
Director General, IITRAM
Member, BoG, IITRAM

Shri Anis M. Mankad, IAS
Commissioner,
Technical Education, GoG,
Member, BoG, IITRAM

Dr. N. N. Bhuptani
Registrar, IITRAM
Secretary, BoG, IITRAM

ACADEMIC COUNCIL

Shri Mukesh Kumar, IAS

State Project Director, SSA, GoG

Director General, IITRAM

Member, Academic Council, IITRAM

Prof. S. P. Mehrotra

Dean, R&D, IIT Gandhinagar

Member, Academic Council, IITRAM

Prof. S. C. Sahasrabudhe

Director, DAIICT

Member, Academic Council, IITRAM

Prof. Ketan Kotecha

Director, Nirma University

Member, Academic Council, IITRAM

Prof. Amit Prashant

Dean, Academic Affairs

IIT, Gandhinagar

Member, Academic Council, IITRAM

Prof. Naran Pindoriya

IIT, Gandhinagar

Member, Academic Council, IITRAM

Dr. N. N. Bhuptani

Registrar, IITRAM

Secretary, Academic Council, IITRAM

PROGRAMS OFFERED

IITRAM currently offers following programs :

Program	Discipline	Total Program Duration	Seats
B. Tech.	Civil Engineering	4 Years	50
B. Tech.	Electrical Engineering	4 Years	50
B. Tech.	Mechanical Engineering	4 Years	50

Upcoming Programs :

Program	Discipline	Total Program Duration
Dual Degree	Civil Engineering	5 Years
Dual Degree	Mechanical Engineering	5 Years
M.Tech.	Electrical Engineering	2 Years

Admission Process :

- In each discipline, 50% of seats are available for admission to students from Gujarat State on the basis of Admission Committee for Professional Courses (ACPC) merit and 50% from All India Central Seat Allotment Board (CSAB) of NITs/IIITs.
- Reservations for SC, ST and, OBC Students as applicable.
- At present fees are Rs. 1,00,000* INR.
 - * For Gujarat domicile boys - Rs. 50,000 per annum (considering 50% scholarship provided by Govt of Gujarat)
 - * For Gujarat domicile girls - Rs. 40,000 per annum (considering 60% scholarship provided by Govt. of Gujarat)





The background image shows a bright, modern interior space, likely a lobby or atrium. In the center, there is a long, rectangular planter box filled with various green plants. The floor is highly reflective, showing clear reflections of the plants and the surrounding architecture. To the right, there is a glass railing with a metal handrail. The walls are a warm, light-colored tone, and large windows in the background let in natural light. The overall atmosphere is clean, bright, and professional.

INFRASTRUCTURAL AMENITIES

IITRAM believes that by creating a serene environment blended with modern technologies heightens the spirit and energy level of all learners and inspires them to optimize their learning efforts. In this direction IITRAM provides the intellectual ambience in a stimulating campus.

FACULTY PROFILE

Prof. (Dr.) B.V. Kamath

Professor, Chemistry
M.Sc.: University of Mysore, Gold Medalist
Ph.D.: M. S. University of Baroda
Post-Doc.: IIT, Bombay

Prof. (Dr.) Ravindra Amritkar

Professor, Physics
M.Sc.: IIT Bombay
Ph.D.: IISc Bangalore
Post-Doc.: IISc Bangalore

Prof. (Dr.) S. Ramamohan

Professor (Visiting) Computer Science
Ph.D.: SVNIT - Surat

Prof. (Dr.) Shanti Prasanna

Associate Professor, Mathematics
M.Sc.: Madras University
Ph.D.: Gujarat University

Prof. (Dr.) R. V. Karanth

Visiting Professor, Geology
B.Sc. & M.Sc. : Mysore University
Ph.D.: M. S. University of Baroda

Prof. H. P. Doshi

Associate Professor,
Mechanical Engineering
M Tech.: IIT Bombay

Prof. (Dr.) Balkrishna B. Soneji

Associate Professor, Applied Mechanics
M. E.: Gujarat University
Ph.D.: IIT Bombay
Post-Doc.: University at Buffalo, USA

Prof. (Dr.) Axay Mehta

Associate Professor, Electrical Engineering
B.E. : Gujarat University
M.Tech. : IIT, Kharagpur
Ph.D. : IIT, Bombay

Prof. (Dr.) Ketan Badgujar

Associate Professor, Electrical Engg.
B.E.: Gujarat University
M.E.: IISc, Bangalore
Ph.D.: IIT Bombay

Prof. (Dr.) Mahuya Bandyopadhyay

Assistant Professor, Chemistry
M.Tech. Gifu University, Japan
Ph.D.: Ruhr University, Bochum, Germany
Post-Doc. : University of Huddersfield, UK

Prof. (Dr.) Bhavik Kodrani

Assistant Professor, Physics
M.Sc.: Gujarat University,
Ph.D.: PRL, Ahmedabad
Post-Doc. : Tata Institute of
Fundamental Research, Mumbai

Prof. (Dr.) Meera A. Vasani

Assistant Professor, English
M. A.: Saurashtra University, Gold Medalist
Ph.D.: Saurashtra University

Prof. (Dr.) Abhishek Rawat

Assistant Professor, Electrical Engg.
B.E. : R. G. P. V., Bhopal
M.Tech. & Ph.D.: M. A. National Institute
of Technology Bhopal

Prof. (Dr.) Navneet Khanna

Assistant Professor, Mechanical Engg.
B.Tech. : Government Engg. College,
Ferozepur cantt, Punjab (2004)
M.E. & Ph.D. : Machining, BITS Pilani

Prof. (Dr.) R. K. Kushawaha

Assistant Professor, Physics
M.Sc.: Banaras Hindu University
Ph.D.: PRL, Ahmedabad
Post-Doc. : MAX-lab, Lund UNIVERSITET
& University Pierre at Marie Curie, Paris

Prof. (Dr.) Ajay Dashora

Assistant Professor, Civil Engg.
B.E.: M.B.M. Engineering College, Jodhpur
M.Tech.: IIT Kanpur, Kanpur
Ph.D.: IIT Kanpur, Kanpur

Prof. (Dr.) Manoj Langhi

Assistant Professor, Civil Engg.
M. Tech.: IIT, Kharagpur
Ph.D.: Kyoto University, Japan

Prof. (Dr.) Ajit Kumar Parwani

Assistant Professor, Mechanical Engg.
B.E. : RGPV
M.E. : DCE
Ph.D. : IIT Delhi

Prof. (Dr.) Kalpesh Haria

Assistant Professor, Mathematics
M.Sc. : SP University, Guj. Gold Medalist
M.Phil. : Saurashtra University, Gujarat
Ph.D. : IIT Bombay

Prof. (Dr.) Prasad Pokkunuri

Assistant Professor, Mechanical Engineering
B.Tech. (Hons.) : IIT Kharagpur
Ph.D. : University of California, Riverside

Prof. (Dr.) Urjani Chakravarty

Assistant Professor, English
M.A : Banaras Hindu University
Ph.D. : IIT, Roorkee

Prof. (Dr.) Amit Kumar Singh

Assistant Professor, Electrical Engg.
B.Tech : UPTU Lucknow
M.Tech : NIT Silchar
Ph.D.: IIT Patna

Prof. (Dr.) Mohitkumar Sharma

Assistant Professor, Mathematics
B.Sc. & M.Sc. : C.C.S University, Meerut
Ph.D. : IIT Roorkee

Prof. (Dr.) Shukkoor T.

Assistant Professor, Humanities
B.Sc. : Kerala University
M.A : M.G University, Kottayam
Ph.D. : IIT, Kanpur

Prof. Manisha Mehta

Assistant Professor,
Computer Science & Technology
B.E. & M.E. : Gujarat University

Prof. (Dr.) Saumya Bajpai

Visiting Professor, Mathematics
M.Sc : IIT Madras
Ph.D. : IIT Bombay
Postdoc : TIFR CAM, Bangalore

TEACHING ASSOCIATES

Prof. Krupa Shah

Teaching Associate, Electrical Engg.
B.E. & M.E. : Gujarat University
Ph.D. (Pursuing) : IIT Gandhinagar

Vishal R. Shah

Teaching Assistant, Physics
M. Sc.: Gujarat University
M. Phil.: Gujarat University

Dr. Komal M. Vyas

Teaching Assistant, Chemistry
M.Sc.: Gujarat University
Ph.D.: MS University of Baroda

Mubina Qureshi

Teaching Assistant, English
M. A.: Gujarat University
M.Phil. : Gujarat University
Ph.D. (Pursuing) : Gujarat University

Shaikh Azharuddin S.

Teaching Assistant, Mathematics
M.Sc. : Gujarat University

I. A. Prajapati

Teaching Assistant, Physics
B.Sc. & M. Sc.: Gujarat University



CENTER OF EXCELLENCE

MoU is signed by IITRAM with the Siemens Industry Software (INDIA) Pvt. Ltd., Designtech Systems Ltd. and the Industries Commissionerate (Government of Gujarat) to establish Centre of Excellence (CoE) in the field of "Industrial Machinery".

The CoE comprises following labs :

- Advanced Manufacturing Lab
- Product Design And Validation Lab
- Electrical Lab, Automation Lab
- CNC Programming Lab
- Process Instrumentation Lab
- Mechatronics Lab
- Rapid Prototyping Lab
- CIMS Lab

Some of the major equipments are :

- 6 Axis Aristo Robot
- Siemens 808d Controller Turning
- VMC (Vertical Machine Center) Flexmill
- Sinamics DC Master Drive (6R80)
- Rapid 3D Prototyping Machine
- Instrumentation Rack



MECHANICAL WORKSHOP

The Mechanical Engineering Workshop at IITRAM consists of Fitting Shop, Carpentry shop, Welding shop, Machine shop and CNC shop. In addition to housing many conventional machines and equipment, it also has most modern fabrication units in tune with the recent technological developments. Some of these include TIG and MIG welding machines, Tool and Cutter Grinding Machine, CNC Turning and VMC etc.

LIBRARY

“Some books should be tasted, Some devoured,
but only a few should be chewed and digested thoroughly”

- Sir Francis Bacon

The Library Resource Center (LRC) provides vital support for teaching, learning, and research activities of the Institute using the state-of-the-art library and information services. The LRC is rapidly developing its collection of books, reference books, periodicals, and electronic resources. Library Resource Center is fully automated with SOUL 2.0 Integrated Library Management Software and also integrated RFID Technology, Smart Card, Auto Check in and Check out systems. Collections include print resources like Text Books, Reference Volumes and General Interest Titles, Journals / Magazines, Newspapers etc. E-Resources includes Full Text E-Journals/databases AMM, APS Journals, ASCE Library, ASME Digital Collection, IEEE Xplore Digital Library, Nature etc., Open Access Resources, Open Coursewares, Subject Gateways, Electronics Thesis & Dissertations etc.



WORKSHOPS & STTP@CoE

Apart from academic activities, to get most out of the latest technology and software of CoE and Workshop, short term workshops and training programs have been arranged at IITRAM for the faculties as well as students of other technical institutes. Some of them are:

- Latest development in CAD/CAM and PLM technologies
- Computer Integrated Manufacturing System
- Introduction to E-Yantra
- Introduction to Robotics
- Simulink Using MAT LAB





COMPUTER CENTER

"Practice makes the master"

- Patrick Rothfuss

IITRAM has well-equipped computer labs having latest desktops with a Multi-processor server, Latest PCs, Wireless Networking Devices with all necessary licensed software and open source software. Modular Object Oriented Dynamic Learning Environment (Moodle Software) is deployed to enhance the effectiveness of Teaching – Learning Procedure.

IITRAM is having Dreamspark premium subscription providing various 500+ software from Microsoft family and also registered for Autodesk Academic Resource Centre for access to Autodesk products.

Siemens CoE is having various state of the art software for CAD/CAM, CAE and PLM.



LABORATORIES

"I have no special talents.

I am only passionately curious"

- Albert Einstein

All the laboratories of the institute are well – equipped with advanced and sophisticated instruments to fully satisfy the training and research need of the students. These laboratories provide opportunities to materialize the theoretical concepts.

- Physics Lab
- Electrical Lab
- Electronics Lab
- Electrical Machine Lab
- Digital English Language Lab (DELL)
- Chemistry Lab
- Computer Lab
- Mechanical Workshop
- Geo-Science Lab



CAMPUS LIFE

For an all-round development of the students, at present following clubs have been set up under the purview of the Students Council.

- SKI - Sports Klub of IITRAM
- INK - Innovation & Kreation Club
- Theater Club
- Movie Club
- Paintography Club
- Shrujan- the Creation
- MOOCs Club
- EPLA Club

- Apart from these activities, state of the art Gym facilities are also developed at the institute, which is very popular among students.



EVENTS / COMPETITIONS

IITRAM has successfully entered in its second year with a sole target of excellence in teaching and learning process intermixed with all other co-curricular activities. To groom the overall personality of the students the institute organizes

- Foundation Program
- Paper Reading Competitions
- Group Discussion Competitions
- Creative Advertising
- Poster Presentation
- Paper Toys Workshop
- Poetry Workshop
- One Minute
- Celebration of Independence Day and Republic Day

The Institute also encourages the students to participate in various events

- Science Excellence
- Science Manthan
- Horizon at Nirma
- TechFest



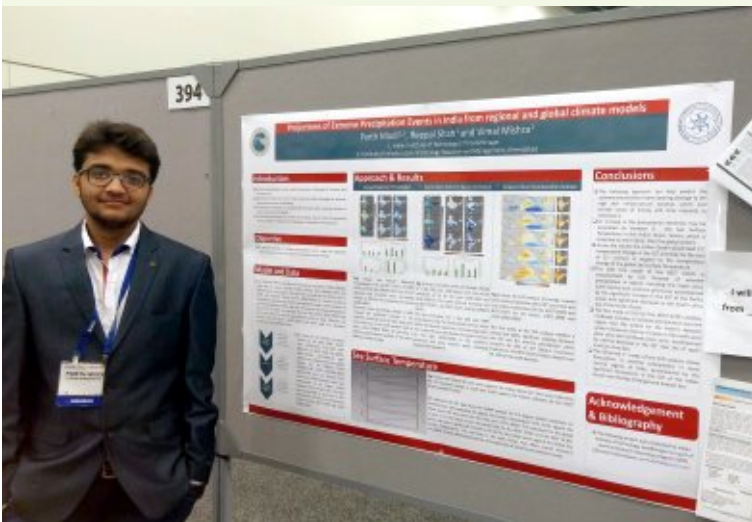


STUDENTS' INTERNSHIPS

As an innovative step, IITRAM sends the first year students for Internship after the completion of their two semesters. The students get direct interaction with Private as well as Public Sector Industries / Bodies.

To share their experience of work, students after the completion of the internship come out with innovative posters to display.

Last year the students were placed for their internship at L&T, Bakery City, AMC, IFFCO, Torrent, Parishkar etc. to get hands on training and experience of working at the field.



STUDENTS' ACHIEVEMENTS

- Parth Modi, student of Civil Engineering Department presented a Poster based on Hydrology under the project title "Climate Change and Precipitation Extremes over India in 21st Century" at the AGU Conference in San Francisco, California, USA in December, 2014.
- Ravi Prajapati, student of Electrical Engineering Department was selected for the Indian Science Congress by NCERT for representing Gujarat at Mumbai. His project is on Air Propulsion and Ion Propulsion Technology.
- Many students of IITRAM have completed MOOCs Courses on edx platform from MIT, IIT Bombay, Boston, University of Texas at Austin, Rice University ETH Zurich, NPTEL etc.



INFRASTRUCTURE SITE VISITS

IITRAM has organized following infrastructure site visits :

- Sardar Sarovar Dam & Hydro Power Plant, Nava Gam, Kevadia Colony
 - Mundra Port
 - Gujarat Institute of Disaster Management (GIDM)
 - Gujarat International Financial Tech-City (GIFT) – A Global Financial Hub Pirojpur, Gandhinagar,
 - Gujarat Ready Mix Concrete Plant & High Rise Building Infrastructure Adani Shantigram, S.G. Highway, Ahmedabad.
- which are related to the core course of the institute.

SPORTS FACILITY

"A healthy mind can reside only in a healthy body" - Proverb

Since the inception of IITRAM, sports activities have been given a great attention. To ensure and give the best and latest in the field of sports facilities, various indoor and outdoor sports games are organized, which is headed by Physical Instructor.





INSTRUCTIONAL FACILITIES

"Knowledge is love and light and vision"

- Helen Keller

Our smart and state-of-the-art designed class rooms with audio visual facility & Conference Hall provide students a fantastic platform for their future.



OTHER FACILITIES

Along with the Academic and Extracurricular Activities IITRAM has also developed basic amenities like:

- Medical Facilities
- Cafeteria
- Student Accommodation
- Open Air Theatre
- Wi-Fi Campus
- Reading Area



GUEST / POPULAR LECTURE SERIES

To impart additional knowledge and widen the thinking faculty of the students IITRAM invites experts from various areas. Some of them are:

- Prof. Chin-Kun Hu, Professor, Taiwan University
- Mr. Brain Brophy, US based Actor cum Director, CALTECH
- Prof. S. C. Sahasrabudhe, Director, DAIICT
- Dr. Ketan Kotecha, Director, Nirma University
- Dr. Gagandeep Singh, CRC Press
- Mr. Mihir Bhardwaj, Founder of YETI (Young Explorers Trek Innovators) and Consultant to Forest Department (GoG)
- Prof. Sudarshan Iyengar, Vice Chancellor, Gujarat Vidhyapeeth
- Dr. Vijay Iyer, Scientific Advisor, British Council, Mumbai
- Prof. Sanjiv Kumar, School of Science, Indira Gandhi National Open University, New Delhi

DEVELOPMENT FORUMS

IITRAM has established various provisional forums for the improvements of the students' life at campus which includes :

- IJAN - The Creations
- MOOCs Club
- Women's Development Cell



courtesy : www.edudemic.com



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