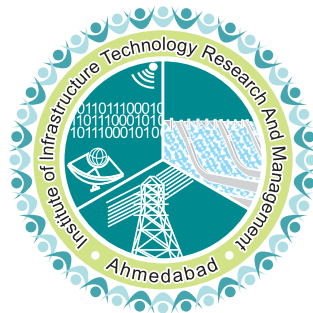


2nd CONVOCAATION

29th SEPTEMBER, 2018

CLASS OF 2018

CONVOCAATION CEREMONY



INSTITUTE OF INFRASTRUCTURE TECHNOLOGY
RESEARCH AND MANAGEMENT,
AHMEDABAD



Message to the Youth

“It is the young, the strong, and healthy, of sharp intellect that will reach the Lord”, say the Vedas. This is the time to decide your future — while you possess the energy of youth, not when you are worn out and jaded, but in the freshness and vigour of youth. Work — this is the time; for the freshest, the untouched, and unsmelled flowers alone are to be laid at the feet of the Lord, and such He receives. Rouse yourselves, therefore, for life is short. A far greater work is this sacrifice of yourselves for the benefit of your race, for the welfare of humanity. I will tell you in plain language that you work best when you work for others. The best work that you ever did for yourselves was when you worked for others. This life is short, vanities of the world are transient, but they alone live who live for others, the rest are more dead than alive. Be not afraid of anything. You will do marvelous work. The moment you fear, you are nobody. It is fear that is the great cause of misery in the world. It is fear that is the greatest of all superstitions. It is fear that is the cause of our woes, and it is fearlessness that brings heaven even in a moment. All power is within you; you can do anything and everything. Believe in that, do not believe that you are weak; Stand up and express the divinity within you. Therefore, “Arise, awake, and stop not till the goal is reached.”

– Swami Vivekananda

INVOCATION

संगच्छध्वं संवदध्वं
सं वो मनांसि जानताम्
देवा भागं यथा पूर्वे
सञ्जानाना उपासते ।।

समानो मन्त्रः समितिः समानी
समानं मनः सहचित्तमेषाम्
समानं मन्त्रमभिमन्त्रये वः
समानेन वो हविषा जुहोमि ।।

समानी व आकूतिः समाना हृदयानि
समानमस्तु वो मनो यथा वः सुसहासति ।

सह नावतु सह नौ भुनक्तु
सह वीर्यं करवावहै
तेजस्विनावधीतमस्तु मा विद्विषावहै
ॐ शान्तिः शान्तिः शान्तिः

May you move in harmony, speak in one voice;
let your minds be in agreement;
just as the ancient gods shared their portion of sacrifice.

May our purpose be the same; may we all be of one mind.
In order for such unity to form I offer a common prayer.

May our intentions and aspirations be alike,
so that a common objective unifies us all.

Let us protect each other, support each other
And be strong together
May our thoughts shine free of enmity
Om, peace, peace, peace

ABOUT IITRAM



Institute of Infrastructure Technology Research And Management (IITRAM) is established by the Government of Gujarat as an Autonomous University with an aim to provide technical education capable of responding to the changing requirements of technical manpower and to promote research. It 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 and Infrastructure Management. It strives to achieve excellence in science, engineering, technology, management and allied areas and matters connected therewith.

IITRAM was founded in 2013 and is located in Maninagar, Ahmedabad, Gujarat. Ahmedabad is one of the oldest living cities in India, known both for a rich cultural past as well as state of the art infrastructure, thriving industries and many modern amenities. Recently declared as World Heritage City by UNESCO. The city is also the hub of prestigious academic and research institutes such as the Indian Institute of Management, Ahmedabad, Indian Institute of Technology, Gandhinagar and National Institute of Design. Gujarat's long standing mercantile and business tradition encourages excellence and entrepreneurship.

IITRAM offers B.Tech. and M.Tech. programs in Civil, Electrical and Mechanical engineering. Ph.D. programmes in all the three engineering branches, pure sciences as well as Humanities and Social Sciences are also offered.

BOARD OF GOVERNORS

Shri Sudhir Mehta

Chairman, Torrent Group
Chairman, BoG, IITRAM

Dr. Sudhir K. Jain

Director, IIT, Gandhinagar
Member, BoG, IITRAM

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Additional Chief Secretary,
Finance Dept., Govt. of Gujarat
Ex-officio Member, BoG, IITRAM

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Director General, IITRAM
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IIT Bombay
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Strategic Advisor and
Head of Corporate Affairs
Zydus Cadila
Member, BoG, IITRAM

Prof. N. N. Bhuptani

Registrar, IITRAM
Secretary, BoG, IITRAM

VISION STATEMENT

GOALS

- To provide a system of technical education capable of responding to the changing requirements of technical manpower;
- To bring about qualitative improvement in teaching and learning process;
- To inculcate the practice of creating instructional experiences which make the acquisition of knowledge and skill more efficient and effective;
- To facilitate and promote studies leading to award of degrees, diplomas and certificates;
- To organize advanced studies and promote research, with a focus on basic and applied sciences, engineering, technology and management;
- To achieve excellence in science, engineering, technology, management and allied areas and matters connected therewith or incidental thereto;
- To provide necessary help to encourage entrepreneurship amongst students;
- To maintain live contact with alumni and develop alumni sponsored programmes;
- To promote research, teaching methodology, application of scientific knowledge in the field of infrastructure;
- To help foster bond between research and academic institutions and infrastructural development agencies for better planning, management, execution, maintenance and standards of infrastructure.

VISION

Institute of Infrastructure Technology Research And Management has been established to enhance the community of world-leading researchers by promoting excellence within disciplines and inter-disciplinary teams, tackling global challenges – providing cultural enrichment and thereby benefitting the economy. The University aims to develop and support research activity in areas of global significance like engineering, pure sciences and humanities. With the visionary course development and delivery the university believes to establish reputation among peer research universities for the quality of teaching and student satisfaction. The aim of the University is to make sure that the students develop their personal strengths. By enhancing the teaching and assessment methods continuously, and keeping up with the latest technologies the University aims to become well known for the excellent knowledge transfer. In the growing professionalism of scientific and teaching activities, the development of scientific and technical team work, the nourishment of the expertise in scientific innovation and inter-disciplinary research are the basic constituents of the University. The University strives to make continuous efforts to establish a quality and transparent system of values.

MISSION

- To transmit a high level of knowledge in all the fields of technology, sciences and humanities
- To train the students for individual problem solving by the application of acquired knowledge and skills
- To train the students for leadership and team work
- To develop the students' competence for work on interdisciplinary projects
- To foster communication skills in students in order to have direct access to information important for their profession and its advancement
- To stimulate critical thinking in students through an understanding of scientific methods and elements of logic, for the purpose of analysis and augmented reasoning
- To inculcate a code of understanding and respecting differences with a high level of interaction and team work
- To imbibe the capacity of ethical reasoning and the development of a system of values as an individual and collective obligation

ACADEMIC PHILOSOPHY

The University aims to achieve a transparent teaching learning process and strives to be among the best research universities. For the same with the latest technology, innovative teaching methods are implemented in the classrooms as well as hands on training for the practical knowledge in the state of the arts laboratories. The courses/curriculum are designed keeping in mind the necessity of the forthcoming requirements of the society and industries. For the best implementation of the courses designed, the faculty on board are selected keeping in mind their best academic record and their individual achievements and dedication in their respective fields. The University encourages each student to develop his or her own personality and learning style. Through an innovative method University sends the students to various industries after the completion of their consecutive semesters to acquire hands on experience. The aim is to stimulate the students to convert their theoretical knowledge into the practical implementation.

ACADEMIC VALUES

The University is envisioning to create future engineers with the core values by:

- Teaching moral and ethical values in industrial life in future,
- Focusing to imbibe integrity in classrooms to labs and to field trips
- Promoting their theoretical knowledge with practical value-based implementation in science and technology
- Encouraging inter-disciplinary approaches for the social need of future.
- Motivating the students to develop their hidden strengths to make them globally acceptable.

PLACEMENT CELL

In the batch of 134 students (107 Undergraduate Students and 27 Post Graduate Students), a total of 127 students (103 undergraduate Students and 24 Post Graduate Students) were eligible for campus placements 2017-18. Out of which 23 students (20 Undergraduate students and 3 Post Graduate Students) enrolled for higher studies in leading Universities in India and abroad to name a few Rochester Institute of Technology, New York, Cape Breton University, Canada, Indian Institute of Management, Udaipur. Overall Placement Record for 2017-18 : 72.72%

STUDENTS PLACED

Enrollment No.	Name	Degree	Company
141010011003	Anantkumar Sojitra	B.Tech	Patel Infrastructure Pvt. Ltd.
141010011007	Dhavalkumar Patel	B.Tech	Patel Infrastructure Pvt. Ltd.
141010011022	Viken Mavani	B.Tech	Interiors Info Pvt. Ltd.
141010012014	Utkarsh Kumar	B.Tech	Shapoorji Pallonji & Co. Pvt. Ltd.
141020011001	Aarti Parmar	B.Tech	Citizen Solar Pvt. Ltd.
141020011002	Akash Vidja	B.Tech	TBEA Energy India Pvt. Ltd.
141020011003	Aman Makwana	B.Tech	Interiors Info Pvt. Ltd.
141020011005	Bhavin Airao	B.Tech	TBEA Energy India Pvt. Ltd.
141020011006	Darshit Mehta	B.Tech	Torrent Power Ltd.
141020011007	Dharmendar Limbola	B.Tech	e-Procurement Tech. Ltd.
141020011008	Dhavalkumar Gheravada	B.Tech	Harsha Abakus Solar Pvt. Ltd.
141020011009	Divyangkumar Patel	B.Tech	Interiors Info Pvt. Ltd.
141020011011	Harsh Karangia	B.Tech	Interiors Info Pvt. Ltd.
141020011015	Nirav Prajapati	B.Tech	Citizen Solar Pvt. Ltd.
141020011016	Paresh Parihar	B.Tech	HIKVision India Pvt. Ltd.
141020011022	Smitkumar Patel	B.Tech	TBEA Energy India Pvt. Ltd.
141020011023	Sushilkumar Fefar	B.Tech	Citizen Solar Pvt. Ltd.
141020012004	Deepak Vijay	B.Tech	National Engg. Ind. Ltd.
141020012005	Deepanshu Goyal	B.Tech	Harsha Abakus Solar Pvt. Ltd.
141020012006	Dinesh Ghanchi	B.Tech	Torrent Power Ltd.
141020012010	Kartik Dubey	B.Tech	Shapoorji Pallonji & Co. Pvt. Ltd.
141020012012	Preetikumari Prasad	B.Tech	e-Procurement Tech. Ltd.
141020012014	Saurabh Yadav	B.Tech	Avantari Technologies Pvt. Ltd.
141020012015	Shreyansh Agarwal	B.Tech	Meditab Softwares India Pvt. Ltd.
141030011001	Ajay Kale	B.Tech	TBEA Energy India Pvt. Ltd.
141030011002	Apurva Desai	B.Tech	Citizen Solar Pvt. Ltd.
141030011003	Ashutosh Gupta	B.Tech	Home First Finance Corporation

Enrollment No.	Name	Degree	Company
141030011006	Hardik Gandhi	B.Tech	Home First Finance Corporation
141030011007	Harsh Dave	B.Tech	Mindworks Global Media Services
141030011010	Kandarp Panchal	B.Tech	Interiors Info Pvt. Ltd.
141030011012	Krunal Modi	B.Tech	Interiors Info Pvt. Ltd.
141030011016	Prarup Sahu	B.Tech	Jaivel Aerospace Pvt. Ltd.
141030011017	Ratnam Shah	B.Tech	Ease of Doing Business
141030011021	Smit Mistry	B.Tech	Jaivel Aerospace Pvt. Ltd.
141030011023	Vishva Patel	B.Tech	Citizen Solar Pvt. Ltd.
141030012007	Lavish Shakya	B.Tech	Labh Group of Companies
141030012009	Mohsin Hasan	B.Tech	3Dexter
141030012015	Shubham Nagar	B.Tech	Cube Constructions Engg. Ltd.
141030012016	Tarang Kumar	B.Tech	Shapoorji Pallonji & Co. Pvt. Ltd.
141030012017	Tejaswini Vadthyavath	B.Tech	Faurecia Automotive Seating

MASTER OF ENGINEERING

162010000102	Hardik Chauhan	M.Tech	Irrigation Dept, Govt. of Gujarat
162010000104	Mustafa Ghasia	M.Tech	Translink Infrastructure Consultant
162010000106	Vishal Thakker	M.Tech	Silver Oaks Engineering College
162010010103	Shreyas Soni	M.Tech	AECOM, New Delhi
162020000101	Himaniben Modi	M.Tech	Harsha Abacus Solar Pvt. Ltd.
162020000102	Malvi Shrimali	M.Tech	Citizen Solar Pvt. Ltd.
162020000103	Sachin Doshi	M.Tech	Silver Oaks Engineering College
162020000104	Sunny Shah	M.Tech	Citizen Solar Pvt. Ltd.
162020000105	Urvishkumar Prajapati	M.Tech	HIKVision India Pvt. Ltd.
162020010101	Anil Gojiya	M.Tech	GSSB
162020010102	Harshitkumar Modi	M.Tech	Harsha Abakus Solar Pvt. Ltd.
162020010105	Surajkumar Sharma	M.Tech	e-Procurement Tech. Ltd.
162030000102	Vivek Bharakhada	M.Tech	Jaivel Aerospace Pvt. Ltd.
162030010101	Anadh Gandhi	M.Tech	Magma Machining Pvt. Ltd.
162030010102	Bhavdeep Nakum	M.Tech	KICH Architectural Prod. Pvt. Ltd.
162030010105	Jay Airao	M.Tech	Jaivel Aerospace Pvt. Ltd.

GRADUATING STUDENTS PURSUING HIGHER STUDIES

Enrollment No.	Name	Name of the University
141010011012	Kavina Mehta	Master's Programme at CEPT University
141010011018	Nisha Pandit	Master's Programme at BVM Engineering College, VV Nagar
141010011020	Shivani Patel	Master's Programme at LD Engineering College
141010012006	Prashant Singh	Master's Programme in Urban Infrastructure at IITRAM, Ahmedabad
141010012009	Rajesh Singh	Early PhD Programme at IIT Gandhinagar
141010012015	V. Prasada Katakam	Early PhD Programme at IIT Gandhinagar
141020011025	Vaishali Iyengar	Post Graduate Programme at International Management Institute, New Delhi
141020012003	Bhavani Malepati	Master's Programme at NIT Warangal
141020012008	Hitesh Suthar	Master's in Design Programme at NID Ahmedabad
141020012013	Sanjay Sinha	Masters in Physics programme at IIT Delhi
141020012016	Siddharth Agrawal	Master's Programme at Technical University of Munich, Germany
141020012017	Sunanda Katewa	Fellow Program in Management at IIM Udaipur
141020012020	Utkarsh Sharma	Master's Programme at Delhi School of Economics, New Delhi
141030011025	Vivek Joshi	Master's Programme at Rochester Institute of Technology, New York
141030012005	Kasturi Rangan L N V M	Master's Programme at IIT Madras
141030012006	Kiran Kumar Sajja	Master's Programme at Cape Breton University, Canada
141039012013	Tulasi Meruga	Master's Programme at IIIT Hyderabad
162030010103	Bhavesh Chaudhary	Doctorate Programme at IIT Indore
162030010104	Gauravkumar Dak	Doctorate Programme at Indira Gandhi Centre for Atomic Research, Tamil Nadu
141020011026	Vrushank Pundlik	PGDM Marketing at M. S. University, Baroda

• Competitive Examination

Enrollment No.	Name	Degree	Company
141010011009	Gafur Saiyad	B.Tech	GPSC Preparation
141010011010	Hiren Parmar	B.Tech	GPSC Preparation
141010011014	Neel Viramgami	B.Tech	UPSC Preparation
141010011024	Vishalkumar Patel	B.Tech	GPSC Preparation
141010012004	Kaushal Jhankal	B.Tech	RPSC Preparation
141010012010	Saikiran Katroth	B.Tech	UPSC Preparation
141010012011	Saransh Sahu	B.Tech	UPSC Preparation
141010012016	Vikram Kumar	B.Tech	UPSC Preparation
141020011018	Parth Rana	B.Tech	GPSC Preparation
141020011020	Ravi Prajapati	B.Tech	GPSC Preparation
141020012002	Avinash Derwal	B.Tech	UPSC Preparation
141020012007	Divya Meena	B.Tech	GATE Preparation
141020012011	Mohit Kajla	B.Tech	GATE Preparation
141020012018	Sunil Shesma	B.Tech	GATE Preparation
141030011004	Devarshi Patel	B.Tech	UPSC Preparation
141030011008	Himalaya Savalia	B.Tech	GMAT Preparation
141030011011	Ketulkumar Patel	B.Tech	GPSC Preparation
141030011015	Omkumar Delvadia	B.Tech	GATE Preparation
141030011019	Shivam Sadadiya	B.Tech	GPSC Preparation
141030012002	Aseem Minj	B.Tech	UPSC Preparation
141030012003	Harish Maddila	B.Tech	APPSC Preparation
141030012010	Rahul Verma	B.Tech	UPSC Preparation
162030010106	Parthkumar Patel	M.Tech	GPSC Preparation
162020010103	Jayrajsinh Jhala	M.Tech.	IELTS Preparation

• Entrepreneurship

Enrollment No.	Name	Degree	Status
141010011011	Jay Dave	B.Tech	Entrepreneurship
141020011012	Harshad Nayakpara	B.Tech	Entrepreneurship
141030011018	Shail Viradiya	B.Tech	Entrepreneurship
141020011013	Jaykumar Patel	B.Tech	Musician

MAJOR LABORATORIES

All the laboratories of the Institute are well – equipped with advanced and sophisticated instruments:

Civil Engineering Labs:

- Advance Instru. Lab
- Environment Lab
- Geology Lab
- Asphalt Lab
- Fluid Mechanics
- Surveying
- Concrete Lab
- Hydraulics
- Soil Mechanics
- Construction Material
- Geo-science Lab
- Transportation Engg.

Electrical Engineering Labs:

- Advance Communication Lab
- Analog Digital Electronics Lab
- Automation & SCALA Lab
- Communication Lab
- Electrical / Electronics Lab
- Measurement & Instru. Lab
- Power Electronics Lab
- Renewable Energy Lab
- Advance Control System Lab
- Advance Instrumentation Lab
- Basic Electrical Engineering Lab
- Digital Electronics Lab
- E-Yantra Lab
- Micro-processor/controller Lab
- Power System Lab
- Simulation & Computation Lab

Mechanical Engineering Labs:

- Advance Manufacturing Lab
- Theory of Machine Lab
- Material Science Lab
- Heat & Mass Transfer Lab

Other Labs:

- Computer Lab
- Digital English Language Lab
- Chemistry Lab
- Physics Lab
- Engineering Graphics Lab

Some of the Major Equipment:

Civil Engineering:

- Advance Hydrological/Rainfall Simulator
- Automatic Weather Station
- Cannon Manning Viscometer
- Dynamic Shear Rheometer
- Ion Chromatograph
- Pressure Aging Vessel with Oven
- Stereoscope Microscopes
- Total Station
- Advance Triaxial Testing System
- Benkelman Beam
- Compression Testing Machine
- Ground Penetrating Radar
- Marshall Stability Apparatus
- Polarising Microscopes
- Total organic Carbon Analyser

Electrical Engineering:

- 2 Port Vector Network Analyzer
- 2 DOF Serial Link / Flexible Joint Work Station
- 6 Axis Robotics Arm Compatible
- Function Generator IIC Tester
- Magnetic Levitation Work Station
- Quanser Qube
- Micro-controller Based Mobile Development: ATMEGA-2560/LPC 2148/P89V51RD2/ ATMEGA-16 /Hexapod
- Active Suspension Work Station
- Helicopter Work Station
- Couple Tank Work Station
- Q BOT 2
- Digital Storage Oscilloscope
- SRV 02 Work Station Family Package

Mechanical Engineering:

- Automatic Grinding & Polishing
- Power Quality Analyzer
- Surface Roughness Tester
- Universal Hardness Testing Machine
- Inverted Metallurgical Microscope
- Pulsating Heat Pipe Setup
- Tool Maker's Microscope

Some of the Major Engineering Software:

- ANSYS
- LabVIEW
- Plaxis
- RTDS
- SIMCODE
- DEFORM 2D
- MATLAB
- PSCAD
- Swergems
- Quickfield
- GeoSlope
- Maple
- Pspice
- SCADA
- Watergems
- Hammer
- Mi-Power
- STAAD Pro
- STAAD Foundation

MAJOR EVENTS

EUNOIA 2K18 *500 hearts. One beat.*



EUNOIA 2K18 was a single day techno-cultural fest organized on 21st April, 2018. It involved the expression of innovative ideas through various technical competitions and exhibitions. The event also included a refreshingly fun filled cultural evening, which had in store a plethora of highly enthralling programs. Along with expert talk, exhibition the event was a grand success.

DAYATVA Social initiative by IITRAM

As the Institute understands the importance of social responsibility it readily shares it with variety of activities like:

- I. Walk to Future- where an awareness drive was carried for the benefit of underprivileged students
- II. Swachhata Abhiyan
- III. Rally against Mal-nutrition
- IV. IITRAM arranges Guidance Classes for the students of 8th - 9th classes from the Government Schools on every Sunday. Here the children are trained in Maths, Science, Mental Maths, and English. Approx. 50 students from various schools participate enthusiastically.



1st International Conference @ IITRAM

The First International Conference on Innovations in Infrastructure (ICIIF), 18-19, May 2018, was organized by the Institute in collaboration with Gujarat Knowledge Society, Government of Gujarat. It was funded by the Student Start-up and Innovation Policy (SSIP) initiative of Government of Gujarat. The conference provided a forum for discussion on issues, concepts, skill development and possible innovations in the infrastructure sector. ICIIF brought the best technical minds working in the field of infrastructure development on a common platform to share their knowledge of technical expertise, experience and forthcoming challenges in this area. The papers which were accepted and presented at this Conference have been published in two book volumes by Springer Nature.

TED^x



- Organizing a TED^x is itself an achievement and having some globally renowned speaker in its very first season shows extreme potential of IITRAM students.
- Shri Gautam Prabhu, Dr. Jagdish Chaturvedi, RJ Aiditi Rawal, Anang Mistry, Sudhanshu Kaushik, Udaybhai Jadhav and Pulkit Gaur have delivered inspiring lectures during TED^x.

STUDENT RESEARCHERS

Sr. No.	Name	Achievement	Place
CIVIL ENGINEERING			
1.	Nirdesh Shah Viken Mavani Vikram Kumar	Paper Title "Impact assessment of HDPE fibres on mechanical properties of Concrete" was submitted to	ASCE Journal
2.	Shukla Maharshi	Paper Title: "Use of Fibre Reinforcement in soil for sustainable solution of Infrastructure" presented at	ICIIF-2018, IITRAM
3.	Mustafa Ghasia	Paper Title: "A Critical Review on Evaluation of Pavement Drainage Systems" presented at	ISGTI-2018, IIT Delhi
4.	Shukla Maharshi	Paper Published: Lecture Notes in Intelligent Transportation and Infrastructure	Springer
5.	Shreyas Soni	Paper Title: "Auto-detection of pavement cracks using supervised deep convolutional neural network" submitted to	Taylor & Francis
ELECTRICAL ENGINEERING			
1.	Ravi Patel	Parametrized Control-Oriented Mathematical Model and Adaptive Backstepping Control of a Single Chamber Single Population Microbial Fuel Cell," Journal of Power Sources (Elsevier), 396, 599-605, (SCI, Impact Factor: 6.945)	Elsevier
2.	Urvish Prajapati	A Novel Approach towards a Low Cost Peripheral Security System based on Specific Data rates," Accepted to Wireless Personal Communications, Springer, 2018. (SCI, Impact factor: 1.20).	Springer
3.	Urvish Prajapati,	Modeling a Data Rate-Based Peripheral Security System in GNU Radio". In: Krishna A., Srikantaiah K., Naveena C. (eds) Integrated Intelligent Computing, Communication and Security. Studies in Computational Intelligence, vol 771, pp 353-61, Springer	Springer
4.	Ravi Patel	Adaptive Back stepping Control Scheme for Single Chamber Microbial Fuel Cell, Third International Conference on Advances in Control and Optimization Of Dynamical Systems (ACODS'18), Feb. 18-22, 2018.	ACODS, Hyderabad
5.	Mishel Prajapati, Sunil Shesma	"Performance Analysis of Triband Elliptical Patch Microstrip Antenna for GPS and Radar Application" 3rd International Conference on Microelectronics, Computing & Communication Systems (MCCS-2018) 12-13th May-2018	MCCS-2018
6.	Shreyansh Agarwal,	Application of an optimal class of antisymmetric wavelet filter banks for obstructive sleep apnea diagnosis using ECG signals, Computers in Biology and Medicine, Computers in Biology and Medicine., vol, pp. 100 100-113 (2018).	Elsevier
8.	Dipanshu Goyal,	An accurate sleep stages classification system using a new class of optimally time-frequency localized three-band waveletfilter bank," Computers in Biology and Medicine., vol 98, pp. 58-75, (2018).	Elsevier
9.	Sunny Shah	Advances in Intelligent Systems and Computing . Springer: May. 2018,Chapter-" An auto-mated alcoholism detection using orthogonal wavelet filter bank," DOI : 10.1007/978-981-13-0923-6, ISBN : 978-981-13-0923-6.	Springer
10.	Jayraj Zala	"Tunable Q-wavelet transform based features for automated screening of knee-joint vibroarthrographic signals," in International conference on Signal Processing and Integrated Networks (SPIN), Feb 2018.	SPIN, Noida
11.	Sachin Doshi	"Tunable Q-Factor Wavelet Transform for Classifying Mechanical Deformations in Power Transformer ," in International conferenceon Signal Processing and Integrated Networks (SPIN), Feb 2018	SPIN, Noida

Sr. No.	Name	Achievements	Place
12.	Malvi Shrimali, Sachin Doshi	"Detection of Power Transformer Winding Faults using Orthogonal Wavelet Filter Bank ," in International conference on Signal Processing and Integrated Networks (SPIN), Feb 2018.	SPIN, Noida
MECHANICAL ENGINEERING			
1.	Smit Mistry	Completed a final year Project work on "The Selection of process parameter in additive manufacturing for aerospace alloy (Invar 36)" Collaboration With Swinburne University, Under guidance of Dr. Navneet Khanna, IIRAM and Dr. Rizwan Abdul Rahman, Swinburne, Australia.	IITRAM, India and Swinburne University, Australia
2.	Vivek Joshi	Research paper: Sustainable Machining of AISI SS 410 International Conference on Production and Industrial Engineering	NIT Jalandhar
3.	Parthkumar Patel	SCI Journal Titled As Machining Performance Optimization during Plasma Arc Cutting of AISI D2 Steel: Application of FIS, Nonlinear Regression and JAYA Optimization Algorithm, Journal of Brazalian society of Mechanical Engineering	Springer
4.	Bhavesh Chaudhary	International Conference titled as Material Selection for Rotational Moulding Process Using Grey Relational Analysis Approach, International Conference on Materials Processing and Characterization.	ICMPC-2018 Hyderabad.
		Published a International conference paper on "Material Selection for Rotational Moulding Process Using Grey Relational Analysis Approach" in ICMPC 2018	ICMPC-2018, Hydrabad
5.	Anadh Gandhi	International Conference "Effect of speed on various machinability criteria in dry turning of nickel - iron - chromium base super alloy, International Conference on Innovations in Infrastructure	ICIIF-2018 IITRAM
6.	Umang Makadia	Paper presented: "Simulations of Exhaust Gas Re-circulation and its Impact on Nox" at	ICIIF-2018, IITRAM
7.	Dak Gauravkumar R.	Paper submitted: "Autogenous welding of copper pipe using orbital TIG welding technique- for application as high vacuum boundary in nuclear fusion devices" at	Journal of Manufacturing Processes (Elsevier)
		Paper presented: "Experimental Comparison of TIG and Friction Stir Welding Process for AA6063-T6 Aluminum Alloy" at	ICIIF-2018, IITRAM
8.	Airao Jay	Paper presented: "An Experimental Study of Surface Roughness Variation in End Milling of Super Duplex 2507 Stainless Steel" at	ICMPC 2017
		Paper presented: "Comparison of TIG and Friction Stir Welding Process for AA6063-T6 Aluminum Alloy" at	ICIIF-2018, IITRAM
		Paper submitted: "Application of ultrasonic vibrational energy to the turning of Nimonic 90" at	The International Journal of Advanced Manufacturing Technology (Springer)
		Paper submitted: "A Nature Inspired Hybrid Algorithm: Particle Swarm Integrated with Simplex Method for Mono and Bi-objective Optimization of Ultrasonically Assisted Turning Process Parameters Journal of Intelligent Manufacturing" to	Journal of Intelligent Manufacturing (Springer)

Patents Filed and Published

Sr. No.	Name	Achievements
1.	A. Sharma J. Shah D. Deb	Patent Filed: Development of Artificial Sandstone Matrix for Determining Behavior of Sandstone in Heritage Structures
2.	N. Khanna, J. Airao, T. Rijwani, D. Deb, A. Roy	A smart automatic tool selection system for ultrasonic assisted turning, No. 201721034456 A, Pub Date: Oct 13, 2017
3.	A. Kale, P.L.Ramkumar D. Deb	Vibration Assisted Multi-Purpose Cutter, No 201721040014 A, Pub Date: Nov 24, 2017
4.	B. S. Malepati, K. V. P. Harish, R. Koradia, D. Deb	Self-Sustainable Camera Aided Monitoring System for Speed Breakers, No 201741041576, Nov 24, 2017
5.	S. Oswal, R. Shah, D. Deb	System for Enhancing Performance of Public Transportation System, No. 2017 20142478 A, Pub Date: Dec 22, 2017
6.	H.Gandhi, H.Karangia, D. Goyal, D. Deb, M. Sharma, R. Dey	Fabrication of an Automated Assembly of Jig and Fixture for Knee Replacement Surgery, No. 201721043325 A, Pub Date: Dec 22, 2017
7.	V. Mavani, K. Modi, A. Makwana, D. Deb	Multipurpose Mobility Stick Configurable as Foldable Trolley, No. 201721043712 A, Pub Date: Dec 22, 2017
8.	H. Savalia, N. Patolia, V. Iyengar, D. Deb, S. Sengunthar	Integrated Mobile Application Based Smart Parking Management System, No. 201721044933 A, Pub Date: Dec 29, 2017
9.	N. Shah, K. Panchal, D. Patel, H. Dhiman, D. Deb	Automatic Helmet and Number Plate Detection System, No. 201720145250 A, Pub Date: Dec 29, 2017
10.	A. Sharma, D. Patel, S. Sadadiya, D. Deb, J. Shah	Development of Artificial Sandstone and Matrix for Determining Behavior of Sandstone in Heritage Structures, No. 201721045272 A, Pub Date: Dec 29, 2017
11.	P. Kumar, U. Makadia, A. Parwani, D. Deb	Simultaneous Reduction of Nox and Co2 Using Exhaust Gas Recirculation and Carbon Capture, No. 201821006612 A, Pub Date: Mar 16, 2018
12.	S. Viradiya and A. Kale, N. Khanna	Patent on "Smart and sustainable Minimum Quantity Lubrication system for machining operations"
13.	K. Patel	Patent on "portable Reusable Dehumidifier Setup For Domestic Desert Coolers"
14.	V. Joshi, N. Khanna, C. Agrawal	Patent: Zero Vapor Cryogen Integrated Phase Separator
15.	V. Joshi, K. Patel	Portable Reusable Dehumidifier Setup For Domestic Desert Coolers
16.	U. Makadia	Patent Publication: Simultaneous Reduction of NOx and CO2 using Exhaust gas recirculation and Carbon capture
17.	H.Ghandhi, H.Karangia, D. Goyel, D.Deb, M. Sharma, R.Dey	"Fabrication of an automated assembly of jig and fixture for knee replacement surgery," 201721043325A , Filed: Dec 03, 2017, Pub date: Dec 22, 2017.

RECIPIENTS OF THE DEGREE- CLASS 2018

BACHELOR OF TECHNOLOGY

CIVIL ENGINEERING

Enrollment No.	Name
141010011002	MORI AJAY DHIRUBHAI
141010011003	SOJITRA ANANTKUMAR LAXMANBHAI
141010011004	SHARMA ANKIT DINESHKUMAR
141010011007	PATEL DHAVALKUMAR DINESHBHAI
141010011009	SAIYAD GAFUR JIYAAULLA
141010011010	HIREN PARMAR
141010011011	JAYKUMAR DAVE
141010011012	MEHTA KAVINA CHETAN
141010011014	VIRAMGAMI NEEL BALDEVBHAI
141010011015	SHAH NIRDESH VIRALKUMAR
141010011016	PATOLIA NIRMAL BABUBHAI
141010011017	MALAVIYA NISARGA MADHUBHAI
141010011018	PANDIT NISHA JAYSUKHBHAI
141010011019	KORADIA RAJAN ASHOKBHAI
141010011020	PATEL SHIVANI DINESHBHAI
141010011021	SHAH VATSAL SANJAYKUMAR
141010011022	MAVANI VIKENKUMAR RAJESHBHAI
141010011024	PATEL VISHALKUMAR JAGDISHBHAI
141010012001	AKASH KUMAR
141010012002	DHANANJAY PATEL
141010012004	KAUSHAL KUMAR JHANKAL
141010012006	PRASHANT KUMAR SINGH
141010012009	RAJESH SINGH
141010012010	KATROTH SAIKIRAN
141010012011	SARANSH SAHU
141010012012	SAURABH KUMAR RAI
141010012014	UTKARSH KUMAR
141010012015	VENKATESWARA PRASADA HARISH KATAKAM
141010012016	VIKRAM KUMAR

ELECTRICAL ENGINEERING

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141020011001	PARMAR AARTIBEN VALLABHBHAI
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141020011005	AIRAO BHAVIN MANOJ
141020011006	MEHTA DARSHIT DILIPBHAI
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141020011009	PATEL DIVYANGKUMAR PANKAJKUMAR
141020011010	GAUTAM KUMAR
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141020011015	PRAJAPATI NIRAV GIRISHBHAI
141020011016	PARIHAR PARESH NARANBHAI
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141020012016	SIDDHARTH AGRAWAL
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MECHANICAL ENGINEERING

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141030011005	BAROT DHARMIKKUMAR NITINBHAI
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141030011009	SOLANKI HITESH REVABHAI
141030011010	PANCHAL KANDARP ALPESHKUMAR
141030011011	PATEL KETULKUMAR RAJENDRABHAI
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141030011013	PATEL MALAV MITESHKUMAR
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141030011016	PRARUP SAHU
141030011017	SHAH RATNAM ASHISHBHAI
141030011018	VIRADIYA SHAIL ASHOKKUMAR
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141030012005	MADABUSHI L N V KASTURIRANGAN
141030012006	SAJJA KIRAN KUMAR
141030012007	LAVISH SHAKYA
141030012009	MOHSIN HASAN
141030012010	RAHUL KUMAR VERMA
141030012012	SAGAR SINGH
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141030012016	TARANG KUMAR
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141039011004	ANIKET PREMNATH MISHRA
141039012013	MERUGA TULASI JAGAN

MASTER OF TECHNOLOGY

URBAN INFRASTRUCTURE

Enrollment No.	Name
162010000102	CHAUHAN HARDIK LAXMANBHAI
162010000104	GHASIA MUSTAFA ABDEALIBHAI
162010000106	THAKKAR VISHAL RAGHUKUMAR
162010010102	SHUKLA MAHARSHI JAYESHKUMAR
162010010103	SONI SHREYAS HITENDRAKUMAR

ELECTRICAL INFRASTRUCTURE

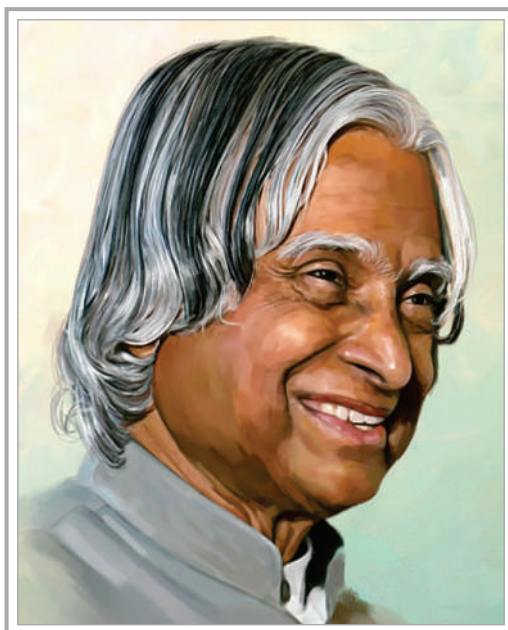
Enrollment No.	Name
162020000101	MODI HIMANIBEN KISHANKUMAR
162020000102	SHRIMALI MALVI JAYESHKUMAR
162020000103	DOSHI SACHIN MAHENDRABHAI
162020000104	SHAH SUNNY NILESHKUMAR
162020000105	PRAJAPATI URVISHKUMAR BABUBHAI
162020010101	GOJIYA ANIL KHIMA
162020010102	HARSHITKUMAR KALPESHKUMAR MODI
162020010103	JHALA JAYRAJSINH MULRAJSINH
162020010104	PATEL RAVI MUKESHBHAI
162020010105	SHARMA SURAJKUMAR MUNNALAL

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162030010104	DAK GAURAVKUMAR ROSHANLAL
162030010105	AIRAO JAY KISHORBHAI
162030010106	PARTHKUMAR PATEL
162030010107	SONI SHREKUMAR ASHVINKUMAR
162030010108	MAKADIA UMANG GORDHANBHAI

MEDALS

Chairman's Medal			
1.	Siddharth Agrawal	Institute 1st Rank	Gold Medal
Institute Medals in Civil Engineering			
1.	Shreyas Hitendrakumar Soni	M.Tech.	Gold Medal
2.	Rajesh Singh	B.Tech.	Gold Medal
3.	Malaviya Nisarga Madhubhai	B.Tech.	Silver Medal
Institute Medals in Electrical Engineering			
1.	Ravi Mukeshbhai Patel	M.Tech.	Gold Medal
2.	Siddharth Agrawal	B.Tech.	Gold Medal
3.	Shreyansh Agarwal	B.Tech.	Silver Medal
Institute Medals in Mechanical Engineering			
1.	Chaudhary Bhaveshbhai Motibhai	M.Tech.	Gold Medal
2.	Shukla Shreyansh Nitinkumar	B.Tech.	Gold Medal
3.	Madabushi LNV Kasturirangan	B.Tech.	Silver Medal



Song of Youth

*As a young citizen of India,
Armed with technology, knowledge and love for my nation,
I realize, small aim is a crime.*

*I will work and sweat for a great vision,
The vision of transforming India into a developed nation,
Powered by economic strength with value system.*

*I am one of the citizen of the billion;
Only the vision will ignite the billion souls,
It has entered into me;*

*The ignited soul compared to any resource,
Is the most powerful resource on the earth,
Above the earth and under the earth.*

*I will keep the lamp of knowledge burning,
To achieve the vision – Developed India,
If we work and sweat for the great vision with ignited minds,
The transformation leading to the birth of vibrant developed,
India will happen.*

*I pray the Almighty:
“May the divine peace with beauty enter into our people;
Happiness and good health blossom in our bodies, minds and souls”.*

- Dr. APJ Abdul Kalam



First Convocation - IITRAM (26th August, 2017)



INSTITUTE OF INFRASTRUCTURE TECHNOLOGY RESEARCH AND MANAGEMENT

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