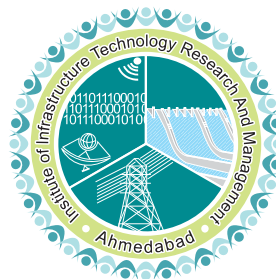




CLASS OF 2019  
**CONVOCATION CEREMONY**



**INSTITUTE OF INFRASTRUCTURE, TECHNOLOGY,  
RESEARCH AND MANAGEMENT**

(An Autonomous University established by Government of Gujarat)

[www.iitram.ac.in](http://www.iitram.ac.in)



## 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. It is also lead 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. Ahmedabad is 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., M.Tech. and Ph.D. programs in Civil, Electrical and Mechanical Engineering, along with Ph.D. programs in Science, Humanities and Social Sciences.

# BOARD OF GOVERNORS

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

Shri Sunil Parekh  
Strategic Advisor and Head of  
Corporate Affairs, Zydus Cadila  
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IIT Bombay  
Member, BoG, IITRAM

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IIT Bombay  
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Finance Dept., Govt. of Gujarat,  
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Director, Technical Education,  
Government of Gujarat  
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Dr. Shiva Prasad  
Director General, IITRAM  
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 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 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 148 students (127 Undergraduate Students and 21 Post Graduate Students), a total of 108 students (90 undergraduate Students and 18 Post Graduate Students) registered and were eligible for campus placements 2018-19. 18 students (17 Undergraduate students and 1 Post Graduates Student) enrolled for higher studies in leading Universities in India and abroad such as Indian Institute of Management Calcutta, Indian Institute of Technology Guwahati, Arizona State University, Fedrick Alexandar University, Germany to name a few. Overall placement record for undergraduate programs during Campus Placement Season 2018-19 is 83.33%.

## STUDENTS PLACED

Enrollment No.	Name	Degree	Company
151010012003	Aman Sharma	B.Tech.	Infinite Civil Solutions, Ahmedabad
151010012004	Amir Miya	B.Tech.	Infinite Civil Solutions, Ahmedabad
151010012007	Harshvardhan Palawat	B.Tech.	Aegon Life Insurance Company
151010011017	Joshi Parth Kiritkumar	B.Tech.	Aegon Life Insurance Company
151010011015	Kundhani Palak Chandulal	B.Tech.	Virat Construction Limited
151010012013	Mukul Jangid	B.Tech.	Aegon Life Insurance Company
161011011002	Patel Kishan Arvindbhai	B.Tech.	Polycab (I) Pvt. Ltd.
151010011025	Patel Vishvesh Kanubhai	B.Tech.	Home first finance Company Limited
151010011019	Trivedi Rushi Hemang	B.Tech.	Virat Construction Limited, Vadodara
161021011008	Baldha Piyushkumar G.	B.Tech.	KHS Machinery (I) Pvt. Ltd.
151020011005	Chaudhari Jay Nareshbhai	B.Tech.	eprocurement Technologies Limited
151020011003	Dhruvi Jayeshkumar Modi	B.Tech.	Torrent Power Limited
151020012001	Abhishek Kumar	B.Tech.	Chennai Metro Rail Limited
151020012009	Enuganti Sai Rohith	B.Tech.	Wipro Limited
151020012008	Km Princee Mishra	B.Tech.	Aegon Life Insurance Company
151020012007	Manish Kumar	B.Tech.	Torrent Power Limited
151020011025	Mehta Vandit Ketankumar	B.Tech.	Milople, Ahmedabad
151020011001	Pansuria Bhargav H.	B.Tech.	Gujarat Gas Limited
151020011017	Parikh Ravi	B.Tech.	Torrent Power Limited
151020011015	Patel Preet Arvindbhai	B.Tech.	Torrent Power Limited
151020011022	Prajapati Soham P.	B.Tech.	Aegon Life Insurance Co.
151020011019	Sahil Singh	B.Tech.	Wipro Limited
151020011020	Sharma Sandeep H.	B.Tech.	Milacron India Pvt. Ltd.
151020011014	Suthar Parth B.	B.Tech.	Faurecia Auto. Seating Pvt. Ltd.
151020011004	Upadhyay Gunjan K.	B.Tech.	TBEA Energy (I) Pvt. Ltd.
161031011005	Asnani Rahul Pradeep	B.Tech.	Rockman Industries Limited
151030011007	Bagada Chirag Ravjibhai	B.Tech.	Sun Vacuum Formers (I) Pvt. Ltd.



<b>Enrollment No.</b>	<b>Name</b>	<b>Degree</b>	<b>Company</b>
151030011019	Bhadiyadra Nisarg V.	B.Tech.	Atul Limited, Rajkot
151030011014	Bhatia Jeet	B.Tech.	Torrent Power Limited
151030012005	Gagnesh Upadhyay	B.Tech.	Torrent Power Limited
151030011022	Limbachiya Prakash L.	B.Tech.	Air Control and Chemical Engg. Co.
151030011027	Mevada Virenkumar P.	B.Tech.	Faurecia Automotive Seating Pvt. Ltd.
151030011017	Modh Neel Rajendrakumar	B.Tech.	Faurecia Automotive Seating Pvt. Ltd.
151030011016	Nandan Vinodbhai Patel	B.Tech.	Torrent Power Limited
151030011001	Patel Aakash Ketankumar	B.Tech.	KHS Machinery (I) Pvt. Ltd.
151030011021	Prajapati Pradip Jivanbhai	B.Tech.	Sun Vacuum Formers (I) Pvt. Ltd., Delhi
161031011009	Raval Yash Pankajkumar	B.Tech.	Aegon Life Insurance Company
151030012013	Sahil Prajapat	B.Tech.	Torrent Power Limited
151030011005	Shah Bhavin Devendra	B.Tech.	Torrent Power Limited
151030011008	Shah Darshit Anilkumar	B.Tech.	Gujarat Gas Limited
151030011013	Shah Jainil Rajendra	B.Tech.	Milacron India Pvt. Ltd.
161031011003	Sheta Hemil Kantibhai	B.Tech.	Polycab (I) Pvt. Ltd.
151030011003	Sheth Arjun Rajesh	B.Tech.	Rockman Industries Limited, Delhi
151030012017	Surya Deep Soni	B.Tech.	Torrent Power Limited
151030012019	Vaibhav Bansal	B.Tech.	Gujarat Gas Limited
141030012018	Vipul Sharma	B.Tech.	Torrent Power Limited

#### **MASTER OF ENGINEERING**

172010010101	Amit Tripathi	M.Tech.	MKC Infrastructure
172020010104	Mishra Shubham Ramdev	M.Tech.	Solarig Gensol Utilities Pvt. Ltd.
172030010103	Ashish Yadav	M.Tech.	Air Control and Chemical Engg. Co.
172030000101	Chaudhary Jaykumar P.	M.Tech.	Highly Electrical (I) Pvt. Ltd.
172030010105	Soliya Milankumar V.	M.Tech.	Highly Electrical (I) Pvt. Ltd.
172030010106	Tiwari Mohit Sanjaykumar	M.Tech.	Air Control and Chemical Engg. Co.

## GRADUATING STUDENTS PURSUING HIGHER STUDIES

Enrollment No.	Name	Name of the University
151010011008	Patel Harshkumar Satyenbhai	Awaiting admission from Canadian University
151010011016	Bansal Pankaj Vijay	Masters at IMT Ghaziabad
151010011021	Teli Sujay Vipulbhai	Early Ph.D. programme at IIT Gandhinagar
151010011021	Teli Sujay Vipulbhai	Early Ph.D. programme at IIT Gandhinagar
151010011023	Patel Vatsal Dharmeshkumar	Masters at IIT Guwahti
151020011006	Surve Jaymit Manojkumar	Masters at IIT Bombay
151020011021	Shah Sheel Rikeshkumar	Masters at NIT Hamirpur, HP
151020011023	Patel Sohamkumar Anilkumar	Masters at Uni. of Windsor, Ontario, Canada
151020011024	Shah Tej Rajeshkumar	Masters at North Carolina State Uni., Raleigh
151020011026	Patel Yash Rajesh	Masters at Arizona State University, Arizona
151020012005	Ishwar Singh Naruka	Masters at IIT Bhubaneswar
151020012010	Saloni Singh	Masters at IIM Calcutta
151020012014	Siddhant Pramod Choudhary	Masters at IIM Calcutta
151020012016	Swapnil Singh	Masters at NITIE Mumbai
151030011002	Thakker Aarsh Nirajkumar	Masters at Ecole Centrale de Nantes, France
151030011009	Tamakuwala Fenil V.	Awaiting admission from Canadian University
151030011011	Radadiya Harsh Dhiren	University of Munich , Germany
151030011015	Desai Krupansh Kaushalbhai	Masters at Fedrick Alexandar Uni., Germany
151030011024	Parekh Swapnil Ketankumar	Masters at TUM-Asia Singapore
151030012001	Inumarthi Abhinay	Awaiting admission from German University
151030012004	Chirag Rawat	Masters at IIT Bombay
151030012014	Sarth Dubey	Masters at IIT Gandhinagar
161021011005	Patel Krunal Kamleshkumar	Masters at Saskatchewan Polytechnic, Canada
172030000102	Prajapati Vishalkumar M.	Ph.D. at NIT Rourkela

## • Competitive Examination

Enrollment No.	Name	Degree	Company
151010012002	Aman Anand	B.Tech.	Public Examination Preparation
151010012005	Ankush Gupta	B.Tech.	Public Examination Preparation
151010012006	Anuj Jangid	B.Tech.	Public Examination Preparation
151020011013	Bhavsar Parth B.	B.Tech.	Public Examination Preparation
151010011004	Desai Chinmay Jaiminbhai	B.Tech.	CAT Preparation
151030011012	Himanshu Damor	B.Tech.	Gate Preparation
151020011016	Joshi Priyank Shaileshkumar	B.Tech.	Public Examination Preparation
151020011011	Kachariya Niraj Amrishbhai	B.Tech.	Public Examination Preparation
151010012010	Kailash Meena	B.Tech.	Gate Preparation
151030012007	Krish Anand	B.Tech.	Gate Preparation
151030011010	Lakhani Harsh Ashokbhai	B.Tech.	Gate Preparation
141010012005	Mahendra Kumar Meena	B.Tech.	IES Preparation
151020012006	Manali Singhal	B.Tech.	Gate Preparation
151010012012	Manoj Choudhary	B.Tech.	Public Examination Preparation
151010011022	Pandya Tanvi Nayanbhai	B.Tech.	Public Examination Preparation
151010011013	Paruparla Nisarg Laljibhai	B.Tech.	Public Examination Preparation
151030012010	Prateek Sachan	B.Tech.	IES Preparation
151010012014	Rahul Naresh Meena	B.Tech.	Public Examination Preparation
151030012011	Rajan Soni	B.Tech.	IES Preparation
141010012008	Rajeev Ranjan Kumar	B.Tech.	IES Preparation
151010012015	Rakesh Kumar	B.Tech.	Public Examination Preparation
151010011026	Ramanuj Yashkumar P.	B.Tech.	Public Examination Preparation
151030012012	Roshan Lal Meena	B.Tech.	Public Examination Preparation
151020012013	Sawan Kumar	B.Tech.	Gate Preparation
151010011009	Shah Jalaj Viranchi	B.Tech.	Public Examination Preparation
151010012017	Shivam Thakur	B.Tech.	Public Examination Preparation
151030011006	Shrivastava Chirag	B.Tech.	Gate Preparation
151030012015	Shubham Pandey	B.Tech.	Public Examination Preparation
151020011002	Srivastava Dhananjay A.	B.Tech.	C-DAC Preparation
151010012018	Suresh Kumar Meena	B.Tech.	Public Examination Preparation
151030012018	Syed Rameez Ahmad	B.Tech.	Public Examination Preparation
151020011007	Vaghela Krunal R.	B.Tech.	Gate Preparation

## • Entrepreneurship

<b>Enrollment No.</b>	<b>Name</b>	<b>Degree</b>	<b>Company</b>
151030012003	Avanish Maurya	B.Tech.	Joining Family Business
151010011024	Choksi Virag Vimalbhai	B.Tech.	Joining Family Business
172020000105	Mishra Pulkit Narendra	M.Tech.	Joining Family Business
151030012008	Narendra Prajapat	B.Tech.	Startup-Teach JEE Aspirants
151030011018	Panchal Neel Kirankumar	B.Tech.	Startup-Pratham
151010011003	Patel Anish Pareshbhai	B.Tech.	Joining Family Business
161031011008	Rijwani Tarun Kishan	B.Tech.	Startup-Rudrabots
151010011010	Sarvaiya Meetkumar P.	B.Tech.	Joining Family Business
151010012016	Saurabh Verma	B.Tech.	Joining Family Business
151020012015	Stuti Shrivastava	B.Tech.	Startup-NGO
161031011001	Tank Harsh Manoj	B.Tech.	Startup-Manufacturing Business
141010012017	Virendra Choudhary	B.Tech.	Joining Family Business

# MAJOR LABORATORIES

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

## Civil Engineering Labs:

- Advance Instrumentation Lab
- Environment Lab
- Geology Lab
- Asphalt Lab
- Fluid Mechanics
- Transportation Lab
- Concrete Lab
- Hydraulics Lab
- Surveying Lab
- Construction Material
- Geo Science Lab

## Electrical Engineering Labs:

- Advance Communication Lab
- Analog Digital Electronics Lab
- Automation & SCALA Lab
- Communication Lab
- Electrical / Electronics Lab
- Measurement & Instrumentation 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:

- Advanced Manufacturing Lab
- Theory of Machine Lab
- Workshop
- Material Science Lab
- Refrigeration Lab
- Heat & Mass Transfer Lab
- Metrology Lab
- IC Engine Lab

## Other Labs:

- Computer Lab
- Physics
- Chemistry Lab
- Digital English Language 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 Analyzer

### Electrical Engineering:

- 2 Port Vector Network Analyzer
- 2 DOF Serial Link / Flexible Joint Work Station
- 6 Axis Robotics Arm Compatible
- Function Generator • IC 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
- Cryogenic Machining Facility
- Inverted Metallurgical Microscope
- Pulsating Heat Pipe Setup
- Tool Maker's Microscope
- Dynamometer

## 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

# Conference/Workshops (2018-19)

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## International Conferences

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1. Indian Association for Canadian Studies sponsored: 32nd International Conference on Indo – Canadian Multidisciplinary Research : Trends and Prospects 28-29th December, 2018
2. International Conference on Renewable Energy and Climate Change (REC 2019) 1-2nd February, 2019
3. International Conference on Recent Advances in Mechanical Infrastructure (ICRAM- 2019) 20-21st April, 2019
4. International Conference on Power, Control and Communication Infrastructure 2019 (ICPCCI-2019) 04-05th July, 2019

## National Level Workshop

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1. National Workshop on Advances in Spectroscopy: Molecules to Materials 4-6th October, 2018
2. National Workshop on Hands on Training on R and LaTeX for Scientific Research 01-06th June, 2019

## Short Term Training Programs (STTP) / Workshop

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1. Five Day STTP on Recent Trends in Electro-mechanical Characterization of Polymers and Composites 03-07th Dec., 2018
2. Indo-French Bilateral Workshop on NeedSeeker Creativity 22-23rd October, 2018
3. 5 Days - STTP on Design and Implementation of Advanced Controllers 21-25th January, 2019
4. One week STTP on Practical Approach of FEM, FVM and FDM using MATLAB 4-8th February, 2019
5. Recent Advances in Tribology and Surfaces Engineering 11-15th March 2019
6. Multi - Objective Optimization Methods for Engineering and Scientific Applications (MOOMESA-2019) 03-8th June, 2019
7. 6 days Workshops on Material Characterization: Structure, Spectroscopy and Microscopy 19-24 August, 2019

# STUDENT RESEARCHERS

Sr. No.	Name	Achievement	Place
<b>CIVIL ENGINEERING</b>			
1	Amit Tripathi (M. Tech)	Application of Programme Analysis In Hdm-4 For Life Cycle Cost Analysis of Pune Urban Municipal Roads.	ICPT 2019, Kuala Lumpur, Malaysia
2	Abhishek Panchal (M. Tech)	Abhishek Panchal, Yogesh Shah Effect of parallel plate gap on rheological properties of binder in road construction.	NFICE2018, IIT Bombay
3	Pritam Sinha (M. Tech)	Sinha, P. and Iyer, K. R. (2019), "Effect of Stabilization on Characteristics of Subgrade Soil: A Review", International Symposium of International Association for Computer Methods and Advances in Geomechanics (IACMAG), March 2019, IIT Gandhinagar	International conference at IIT Gandhinagar
4	Sujay Teli Palak Kundhani Virag Choksi (M. Tech) Pritam Sinha	Teli, S., Kundhani, P., Choksi, V., Sinha, P. and Iyer, K. R. (2019), "Analytical Study on Influence of Rigidity of Foundation and Modulus of Subgrade Reaction on Behaviour of Raft Foundation", International Symposium of International Association for Computer Methods and Advances in Geomechanics (IACMAG), March 2019, IIT Gandhinagar	International conference at IIT Gandhinagar
5	Hardik Gajjar (M. Tech)	"Influence of Reinforcement Pattern on the Performance of Geotextile Reinforced Slopes" in Symposium of the International Association for Computer Methods and Advances in Geomechanics (IACMAG 2019) March 5-7, 2019.	IIT Gandhinagar, India.
6	Hardik Gajjar (M. Tech)	"A Numerical Study on Geotextile-Reinforced Slopes" is accepted for presentation in Indian Geotechnical Conference on Geotechnics for infrastructure Development & Urbanization, December 19 - 21, 2019.	SVNIT Surat, India
7	Abhishek Sutar, Aayushkumar Patel, Anish Patel	Full length paper entitled with "Effect of Various Parameters on Electrokinetic Dewatering of Saturated Clay" is accepted for presentation in Indian Geotechnical Conference on Geotechnics for infrastructure Development & Urbanization, December 19 - 21, 2019.	SVNIT Surat, India
8	Joshi, Parth, Shah Jalaj, Verma Saurabh.,	Investigating Engineering Properties of Modified Bitumen for Potential Solution of Pothole Problem for Indian Road" International Conference on Science, Technology, Engineering and Mathematics (STEM), January 17, 2019, Ahmedabad, India.	Ahmedabad, Gujarat, India
9	Harshkumar Patel Chinmay Desai Harsh Patel	Conference paper titled, " Monitoring microstructure evolution using low cost digital microscope" 10th International Conference on Fracture Mechanics of Concrete and Concrete Structures FraMCoS-X held at Bayonne France.	Bayonne, France

Sr. No.	Name	Achievement	Place
<b>ELECTRICAL ENGINEERING</b>			
1	Shubham Mishra (M.Tech.)	Numerical simulation of potential induced degradation (PID) in different thin-film solar cells using SCAPS-1D, Solar Energy, 188, 353-360, 2019.	Elsevier
2	Mitesh Raval (M.Tech.)	A new approach to identify obstructive sleep apnea using an optimal orthogonal wavelet filter bank with ecg signals, Informatics in Medicine Unlocked, 16, 100170, 2019.	Elsevier
3	Mitesh Raval (M.Tech.)	Finger Tracking based Tabla syllable Transcription (Accepted), 5th Asian Conference on Pattern Recognition, 25-29 November, 2019.	Auckland, New Zealand.
4	Gunjan Upadhyay, Dhruvi Modi	Parameter estimation of an induction motor using smart metering approach, Springer International Conference on Intelligent Computing and Smart Communication Technologies, 26-27 July, 2019.	Hyderabad, India
5	Piyush Baldha, Krunal Patel	Investigation on the relative influence of absorber layer defect states over performance of Pb-based and Sn-based perovskite solar cells, 1st International Conference on Renewable Energy and Climate Change, 1-2 February, 2019.	IITRAM, Ahmedabad
6	Jatin Savaliya (M.Tech.) Dwarkesh Chhabhaya (M.Tech.)	Field trial of IRNSS receiver, Microwave and Optical Technology Letter, Vol 66, pp 1149-1153, 2019.	Wiley-Blackwell
7	Bhargav Pansuria, Sandeep Sharma	Design of 1.176GHz Micro-Strip Patch Antenna for IRNSS Applications, IEEE 9th International Conference On Computing, Communication and Networking Technologies (ICCCNT), 10-12 July, 2018.	IISc Bangalore, India
8	Jaymit Surve Vandit Mehta	Low Cost 2 MHz Transmitter for the Detection of Human Trapped Under the Snow, International Conference on Power, Control and Communication Infrastructure, July 4-5, 2019.	IITRAM, Ahmedabad
9	Ravi Parikh Priyank Joshi	Designing of Rectangular Microstrip Patch Antenna at 2.48Ghz Frequency for IRNSS Application, 2nd International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech), pp. 1-3, 2018. doi: 10.1109/IEMENTECH.2018.8465174	Kolkata, India
10	Manish Kumar	Design and Optimisation of Hybrid Electric Vehicle, 1st International Conference on Renewable Energy and Climate Changes (REC-2019), Presented in conference and proof reading completed for Springer book chapter, 1-2 April 2019.	IITRAM, Ahmedabad
11	Manish Kumar Piyush Baldha	Experimental Verification of On-board Power Generation for Vehicle Application, Biennial International Conference On Power & Energy Systems: Towards Sustainable Energy (PESTSE-2018, IEEE), 18-20 January 2018.	Amrita University, Bangalore



Sr. No.	Name	Achievement	Place
<b>MECHANICAL ENGINEERING</b>			
1	Shubham Jayswal, Harsh Jangade	"Design and Simulation of Seat Handle Using Plastic Injection Molding Process", In Innovations in Infrastructure, pp. 385-393. Springer, Singapore, 2019.	Springer
2	Bhavin Shah, Harsh Lakhani	"Application of Fuzzy Linguistic Modeling Aggregated with VIKOR for Optimal Selection of Solar Power Plant Site: An Empirical Study", In Renewable Energy and Climate Change (pp. 119-127). Springer, Singapore.	Springer
3	Chirag Bagada, Himanshu Damor, Vishal Kumar Prajapati	"Utility function approach integrated with Fuzzy for optimization in milling glass fiber reinforced epoxy composites", International Conference on Recent Advances in Mechanical Infrastructure (ICRAM-2019), held during April 20-21, 2019, organized by IITRAM, Ahmedabad, India.	IITRAM, Ahmedabad
4	Harsh Tank, Rahul Asnani, Tarun Rijwani	Published paper titled "Product Development of Integrated Mobile Stand: Vidyut" in IEEE Xplorer Digital Library under the guidance of Dr. PL. Ramkumar	IEEE Xplorer Digital Library
5	Bhavesh Chaudhary	Published SCI Journal paper titled "Temperature Distribution during Friction Stir Welding of AA2014 Aluminum Alloy: Experimental and Statistical Analysis" in Transactions of the Indian Institute of Metals under the guidance of Dr. PL. Ramkumar	Springer
6	Shubham Jayswal, Harsh Jangade	Published a Book Chapter titled "Design and Simulation of Seat Handle using Plastic Injection Moulding Process" in "Innovation in Infrastructure" with in the series of "Advances in Intelligent Computing Systems under the guidance of Dr. PL. Ramkumar	Springer
7	Ajay Kale	Published a Book Chapter titled "Vibration Assisted Multi-Purpose Cutter". Book chapter from "Innovation in Infrastructure" in "Innovation in Infrastructure" with in the series of "Advances in Intelligent Computing Systems under the guidance of Dr. PL. Ramkumar	Springer
8	Smit Mistry	Published SCIE Journal paper in collaboration with SWINEBURNE University (Australia) under the guidance of Dr. Navneet Khanna	IOP
9	Darshit Shah	Published SCOPUS indexed paper in collaboration with SWINEBURNE University (Australia) under the guidance of Dr. Navneet Khanna	Springer
10	Harsh Radadiya	Published SCOPUS indexed paper in collaboration with ITER-INDIA; IPR under the guidance of Dr. Navneet Khanna	Springer
11	Harsh Radadiya	Published SCOPUS indexed paper on the SERB-DST supported project (ECR/2016/000735) under the guidance of Dr. Navneet Khanna	Springer
12	Krupansh Desai	Published SCOPUS indexed paper on the SERB-DST supported project (ECR/2016/000735) in collaboration with DAMRC (DENMARK) under the guidance of Dr. Navneet Khanna	Elsevier
13	Krupansh Desai	Presented paper on the SUZLON supported project at 8th CIRP HPC in BUDAPEST (HUNGARY) under the guidance of Dr. Navneet Khanna	Elsevier
14	Arjun Sheth	Published SCOPUS indexed paper on the SERB-DST supported project (ECR/2016/000735) in collaboration with DAMRC (DENMARK) under the guidance of Dr. Navneet Khanna	Elsevier
15	Arjun Sheth	Presented paper on the SUZLON supported project at 8th CIRP HPC in BUDAPEST (HUNGARY) under the guidance of Dr. Navneet Khanna	Elsevier
16	Parth kumar Patel, Dhaval Makwana	Published paper titled "Manufacturing, characterization and applications of lightweight metallic foams for structural applications: Review" Materials Today: Proceedings, Vol. 5, issue 9 ( 2018 ) pp. 20391-20402	Elsevier

## Patents Filed and Published

Sr. No.	Name	Achievements
1	Mukul Jangid, Sahil Palawat Harshvardhan Palawat Prateek Sachan, Rajan Soni Dipankar Deb	Design and Functioning of Multipurpose Compass, Indian Patent Application No: 201821048945, A Date of Publication: 06/09/2019
2	Avinash Maurya, Abhinay Inumarathi, Arujn Seth, Krupansh Desai, Vipul Sharma, Dipankar Deb	Method and System for Eco-friendly Air Cooling with Humidity, Control, Indian Patent Application No.:- 201821047880 A, Date of Publication: 06/09/2019
3	Tarun Rijwani, Rahul Asnani, Hemil Sheta, Parth Suthar, Harsh Tank, Dipankar Deb	A Multi variant Integrated Soil-Less Farming Apparatus for Homogenized Growth of Plants, Indian Patent Application No: 201821047930 A, Date of Publi.: 06/09/19.
4	Manish Kumar, Piyush Baldha, Jay Chaudhari, Kunal Patel, Sumit Upadhyay, Dipankar Deb	Method and System for Natural Air Ventilation and Temperature Control for Vehicle, Indian Patent Application No:201821048029 A, Date of Publi.: 06/09/19.
5	Chirag Rawat, Harsh Jangade, Kailash Meena, Roshan Lal Meena, Yash Raval, Dipankar Deb	Tunnel Boring Cutter with Crack Initiating Mechanism Indian Patent Appli. No: 201821048975 A, Date of Publi.: 04/01/19.
6	Parth Joshi, Jalaj Shah, Saurabh Verma, Pankaj Bansal, Kranthi Naik, Dipankar Deb	Automatic Control Cleaning of Road By Water through Road Stud, Indian Patent Application No: 201821042660 A, Date of Publication: 25/01/19.
7	Gagnesh Upadhyay, Suryadeep Soni, Shubham Jaiswal, Tej Shah, Neel Panchal, Dipankar Deb	Multi-Purpose Installing, Retracting and Cleaning Electromechanical Device, Indian Patent Application No: 201821048813 A, Date of Publi.: 04/01/19.
8	Harsh Radadiya, Darshit Shah, Bhavin Shah, Sandeep Sharma, Dhaval Parmar, Dipankar Deb	Multi-Purpose Smart Safety Helmet, Indian Patent Application No: 201821048815 A, Date of Publi.: 04/01/19.
9	Axaykumar Mehta, Jatin Savalia(M.Tech.), Keyurkumar Patel	Voltage Synchronization of DC Microgrid during Plug and Play Operation using Sliding Mode Leader-Following Consensus", Indian Patent App. No: 201921024696, Date of Publi.: 19/07/19.
10	Axaykumar Mehta, Jatin Savalia (M.Tech.), Keyurkumar Patel	Distributed event-triggered sliding mode control for voltage synchronization of DC Microgrid using a leader-follower consensus protocol", Indian Patent Application No: 201921024697A, Date of Publication: 19/07/2019.
11	Pulkit Mishra (M.Tech.), Shubham Mishra (M.Tech.), Abhishek Rawat	Method & system for failure mitigation of railway tracks using predefined strain gauge module based network, Indian Patent Appli. No: 20172103769, Date of Publication:10/11/2017.
12	Piyush Baldha, Manish Kumar, Krupa Shah, Dipankar Deb	Wind Farm Design for On-board Power Generation in Two Wheelers, Indian Patent Application Number: 201721039272 A, Date of Publication: 17/11/2017.
13	Preet Patel, Soham Prajapati, Parth Suthar, Krupa Shah, Bathula Siva Kumar Reddy,	Artificial Intelligence Based Voice Control and Life Estimation of Electrical Appliances, Indian Patent Application No. 201821010046.
14	Parth Joshi, Jalaj Shah, Pankaj Bansal, Saurabh Verma, Kranthi Naik	Automatic controlled cleaning of road by water through road stud. (Application Published)
15	Mukul Jangid, Harshvardhan Pallavat, Shail Prajapat, Prateek Sachan, Rajan Soni	Design and Functioning of Multipurpose Compass (Application Published)

# RECIPIENTS OF THE DEGREE - CLASS 2019

## BACHELOR OF TECHNOLOGY

### CIVIL ENGINEERING

<b>Enrollment No.</b>	<b>Name</b>
141010012005	MAHENDRA KUMAR MEENA
141010012008	RAJEEV RANJAN KUMAR
141010012017	VIRENDRA CHOUDHARY
151010011001	PATEL AAYUSHKUMAR KALPESHBHAI
151010011002	DEVAL AJITSINGH RATANSINGH
151010011003	PATEL ANISH PARESHBHAI
151010011004	DESAI CHINMAY JAIMINBHAI
151010011005	PARMAR DHAVAL PRABHUDAS
151010011006	KANADA DHRUV SUDHIRKUMAR
151010011007	PATEL HARSHIL MUKESHBHAI
151010011008	PATEL HARSHKUMAR SATYENBHAI
151010011009	SHAH JALAJ VIRANCHI
151010011010	SARVAIYA MEETKUMAR PRAVINBHAI
151010011013	PARUPARLA NISARG LALJIBHAI
151010011015	KUNDHANI PALAK CHANDULAL
151010011016	BANSAL PANKAJ VIJAY
151010011017	JOSHI PARTH KIRITKUMAR
151010011019	TRIVEDI RUSHI HEMANG
151010011021	TELI SUJAY VIPULBHAI
151010011022	PANDYA TANVI NAYANBHAI
151010011023	PATEL VATSAL DHARMESHKUMAR
151010011024	CHOKSI VIRAG VIMALBHAI
151010011025	PATEL VISHVESH KANUBHAI
151010011026	RAMANUJ YASHKUMAR PRAVINBHAI
151010012002	AMAN ANAND
151010012003	AMAN SHARMA
151010012004	AMIR MIYA
151010012005	ANKUSH GUPTA
151010012006	ANUJ JANGID
151010012007	HARSHVARDHAN PALAWAT
151010012010	KAILASH MEENA
151010012012	MANOJ CHOUDHARY
151010012013	MUKUL JANGID
151010012014	RAHUL NARESH MEENA

<b>Enrollment No.</b>	<b>Name</b>
151010012015	RAKESH KUMAR
151010012016	SAURABH VERMA
151010012017	SHIVAM THAKUR
151010012018	SURESH KUMAR MEENA
161011011002	PATEL KISHAN ARVINDBHAI

## **ELECTRICAL ENGINEERING**

<b>Enrollment No.</b>	<b>Name</b>
131020012026	VADITHE KRANTHI NAIK
151020011001	PANSURIA BHARGAV HARSUKHBHAI
151020011002	SRIVASTAVA DHANANJAY ANUPAM
151020011003	DHRUTI JAYESHKUMAR MODI
151020011004	UPADHYAY GUNJAN KALPESHBHAI
151020011005	CHAUDHARI JAY NARESHBHAI
151020011006	SURVE JAYMIT MANOJKUMAR
151020011007	VAGHELA KRUNAL RAJESHKUMAR
151020011009	DODIYA MEHUL SURESHSINH
151020011011	KACHARIYA NIRAJ AMRISHBHAI
151020011013	BHAVSAR PARTH BHAVESHKUMAR
151020011014	SUTHAR PARTH BHUPENDRAKUMAR
151020011015	PATEL PREET ARVINDBHAI
151020011016	JOSHI PRIYANK SHAILESHKUMAR
151020011017	PARIKH RAVI
151020011019	SAHIL SINGH
151020011020	SHARMA SANDEEP HANUMANDEEN
151020011021	SHAH SHEEL RIKESHKUMAR
151020011022	PRAJAPATI SOHAM PRAFUL KUMAR
151020011023	PATEL SOHAMKUMAR ANILKUMAR
151020011024	SHAH TEJ RAJESHKUMAR
151020011025	MEHTA VANDIT KETANKUMAR
151020011026	PATEL YASH RAJESH
151020012001	ABHISHEK KUMAR
151020012005	ISHWAR SINGH NARUKA
151020012006	MANALI SINGHAL
151020012007	MANISH KUMAR
151020012008	KM PRINCEE MISHRA
151020012009	ENUGANTI SAI ROHITH

<b>Enrollment No.</b>	<b>Name</b>
151020012010	SALONI SINGH
151020012012	SATYENDRA KUMAR
151020012013	SAWAN KUMAR
151020012014	SIDDHANT PRAMOD CHOUDHARY
151020012015	STUTI SHRIVASTAVA
151020012016	SWAPNIL SINGH
161021011003	MODI DHRUMIL JITENDRAKUMAR
161021011005	PATEL KRUNAL KAMLESHKUMAR
161021011008	BALDHA PIYUSHKUMAR GHANSHYAMBHAI
161021011011	UPADHYAY SUMIT DIPAKBHAI

## **MECHANICAL ENGINEERING**

<b>Enrollment No.</b>	<b>Name</b>
141030012018	VIPUL SHARMA
151030011001	PATEL AAKASH KETANKUMAR
151030011002	THAKKER AARSH NIRAJKUMAR
151030011003	SHETH ARJUN RAJESH
151030011004	JOSHI BHARGAV PRAGNESHBHAI
151030011005	SHAH BHAVIN DEVENDRA
151030011006	SHRIVAS CHIRAG
151030011007	BAGADA CHIRAG RAVJIBHAI
151030011008	SHAH DARSHIT ANILKUMAR
151030011009	TAMAKUWALA FENIL VIMALKUMAR
151030011010	LAKHANI HARSH ASHOKBHAI
151030011011	RADADIYA HARSH DHIREN
151030011012	HIMANSHU DAMOR
151030011013	SHAH JAINIL RAJENDRA
151030011014	BHATIA JEET
151030011015	DESAI KRUPANSH KAUSHALBHAI
151030011016	NANDAN VINODBHAI PATEL
151030011017	MODH NEEL RAJENDRAKUMAR
151030011018	PANCHAL NEEL KIRANKUMAR
151030011019	BHADIYADRA NISARG VIJAYKUMAR
151030011020	SOLANKI PARTH RAMESHBHAI
151030011021	PRAJAPATI PRADIP JIVANBHAI
151030011022	LIMBACHIYA PRAKASHKUMAR LAXMANBHAI

<b>Enrollment No.</b>	<b>Name</b>
151030011024	PAREKH SWAPNIL KETANKUMAR
151030011026	PATEL VIPUL VIJAYKUMAR
151030011027	MEVADA VIRENKUMAR PRAKASHBHAI
151030012001	INUMARTHI ABHINAY
151030012003	AVANISH MAURYA
151030012004	CHIRAG RAWAT
151030012005	GAGNESH UPADHYAY
151030012007	KRISH ANAND
151030012008	NARENDRA PRAJAPAT
151030012009	PRATEEK KUMAR
151030012010	PRATEEK SACHAN
151030012011	RAJAN SONI
151030012012	ROSHAN LAL MEENA
151030012013S	AHIL PRAJAPAT
151030012014	SARTH DUBEY
151030012015	SHUBHAM PANDEY
151030012017	SURYA DEEP SONI
151030012018	SYED RAMEEZ AHMAD
151030012019	VAIBHAV BANSAL
161031011001	TANK HARSH MANOJ
161031011002	JAMGADE HARSH BADAL
161031011003	SHETA HEMIL KANTIBHAI
161031011005	ASNANI RAHUL PRADEEP
161031011006	JAYSWAL SHUBHAM PRADIPBHAI
161031011008	RIJWANI TARUN KISHAN
161031011009	RAVAL YASH PANKAJKUMAR

## MASTER OF TECHNOLOGY

### URBAN INFRASTRUCTURE

Enrollment No.	Name
162010000101	PANCHAL ABHISHEK BABULAL
162010000103	DESAI MANOJKUMAR AMRABHAI
172010000101	ARCHAN BALKRISHNA BHANGAONKAR
172010000102	ARSHAD KAMAL SIDDIQUI
172010000103	GAJJAR HARDIK VINODBHAI
172010000104	SOLANKI KARAN BHARATKUMAR
172010000108	PATEL UTKARSH YOGESHBHAI
172010010101	AMIT TRIPATHI
172010010102	PRITAM SINHA

### ELECTRICAL INFRASTRUCTURE

Enrollment No.	Name
172020000102	SAVALIYA JATINKUMAR VINUBHAI
172020000104	RAVAL MITESH DEEPAKBHAI
172020000105	MISHRA PULKIT NARENDRA
172020000106	SHRIOM MAURYA
172020010101	CHHABHAYA DWARKESH GORDHANBHAI
172020010104	MISHRA SHUBHAM RAMDEV

### INDUSTRIAL INFRASTRUCTURE

Enrollment No.	Name
172030000101	CHAUDHARYJAYKUMAR PRAFULLBHAI
172030000102	PRAJAPATI VISHALKUMAR MAHESHBHAI
172030010103	ASHISH YADAV
172030010104	PRAJAPATI KARAN MAHESHBHAI
172030010105	SOLIYA MILANKUMAR VINUBHAI
172030010106	TIWARI MOHIT SANJAYKUMAR
172030010107	AGHARIYA MUKTARHAIDAR ZULFIKARALI
172030010108	DSOUZA THEOPHILUS ARUN

# MEDALS

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## Chairman's Medal

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1.	Desai Krupansh Kaushalbhai	B.Tech.	Mechanical Engineering
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## Institute Gold Medals

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1.	Patel Aayushkumar Kalpeshbhai	B.Tech.	Civil Engineering
2.	Manish Kumar	B.Tech.	Electrical Engineering
3.	Desai Krupansh Kaushalbhai	B.Tech.	Mechanical Engineering

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## Institute Silver Medals

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1.	Teli Sujay Vipulbhai	B.Tech.	Civil Engineering
2.	Joshi Priyank Shaileshkumar	B.Tech.	Electrical Engineering
3.	Radadiya Harsh Dhiren	B.Tech.	Mechanical Engineering

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## Institute Gold Medals

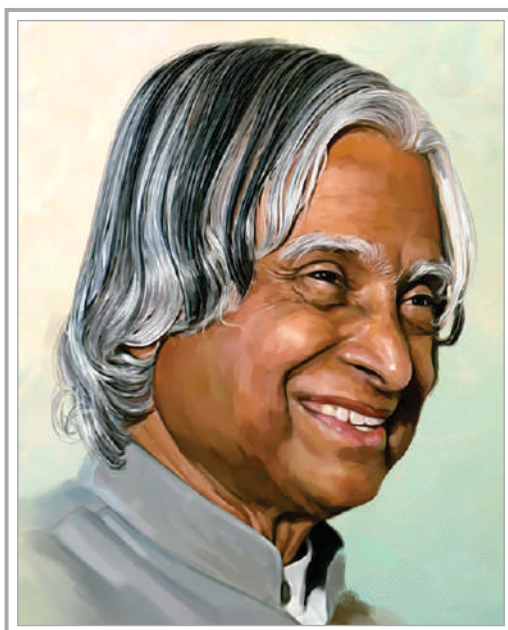
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1.	Amit Tripathi	M.Tech.	Civil Engineering
2.	Chhabhaya Dwarkesh G.	M.Tech.	Electrical Engineering
3.	Tiwari Mohit Sanjaykumar	M.Tech.	Mechanical Engineering









## **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.*

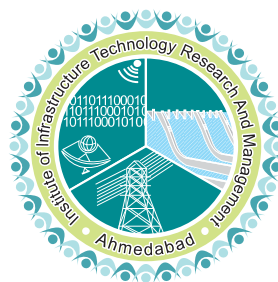
*I will keep the lamp of knowledge burning,  
To achieve the vision – Developed India,  
If we work and sweat for the great vision with ignited minds,  
The transformation leading to the birth of vibrant developed,  
India will happen.*

*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**



*Second Convocation - IITRAM (29<sup>th</sup> September, 2018)*



## **INSTITUTE OF INFRASTRUCTURE, TECHNOLOGY, RESEARCH AND MANAGEMENT**

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