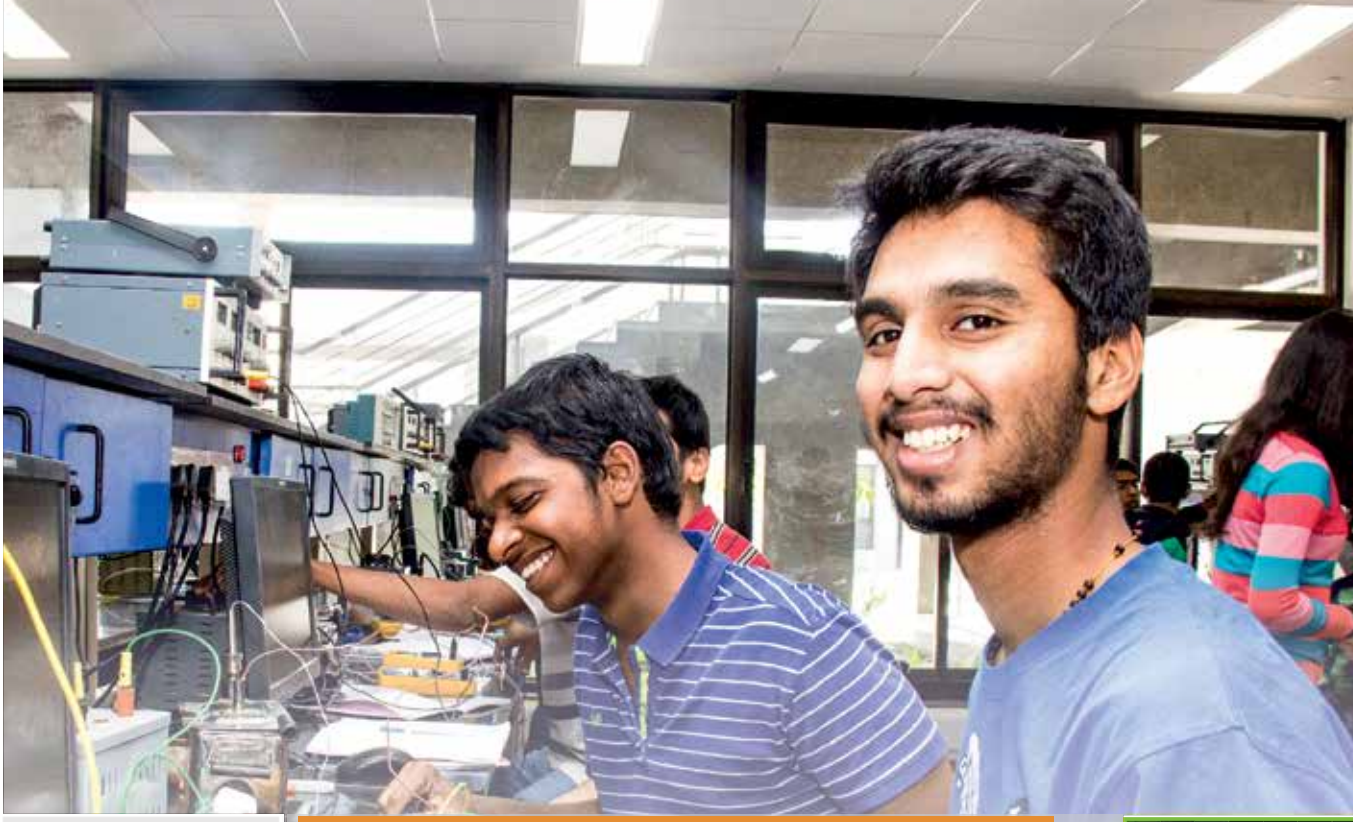
INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR



IIT GANDHINAGAR
ANNUAL REPORT
2015 - 2016

ANNUAL REPORT

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FROM THE DIRECTOR'S DESK

PROF SUDHIR K JAIN

The year 2015-16 has been among the most momentous in the eight year history of IIT Gandhinagar. We shifted into our permanent campus in Palaj, starting with hostels and classes, in July 2015. Most laboratories, faculty offices and residences relocated to the new campus by March 2016. It is a truly remarkable achievement for the Institution to move into its new campus within two years of awarding of the construction contracts.

IITGN's Palaj campus is the first in the country to receive a 5-star rating from Green Rating for Integrated Habitat Assessment for Large Developments (GRIHA LD). The rating system evaluates the overall impact of a development on its surrounding environment. IITGN received an overall impact score of 25.9% (lower scores indicate higher sustainability), well below the 35% or lower score required for a 5-star rating.

This year, we forged a robust partnership with the globally-ranked Duke University for research collaborations and for technical support in faculty mentoring and evaluations, as well as in communications and image building. This

partnership is supported through USAID (under an agreement with the Ministry of Human Resource Development, Government of India) and assisted by RTI International.

IIT Gandhinagar was ranked 8th in the country by the National Institutional Ranking Framework. We ranked 4th in Teaching, Learning and Resources and 5th in Outreach and Inclusivity.

The Institute received several other accolades as well:

- It was awarded "*University of the Year*" at the Federation of Indian Chambers of Commerce and Industry (FICCI) Higher Education Excellence Awards 2015 in the category of institutes in "existence for less than 10 years."
- The staff residences and student hostels in the new campus bagged the First Prize at the HUDCO Design Awards 2015 in the category of "Cost Effective Rural/ Urban Housing including Disaster Resistant Housing."

Two IITGN initiatives — Peer Assisted Learning (PAL) and the 5-week Foundation Programme — have received widespread national recognition and are being adopted by other universities and institutes in the country.

The Institute continues to innovate in developing curricular and extracurricular opportunities for students. It launched the Explorers Fellowship to encourage students to travel to different states of India to develop familiarity with the amazing cultural and geographical diversity of the country. During six weeks in the summer, on a very limited budget (travelling by state government buses or sleeper class trains and living in low-cost accommodation), students explore six or more states of the country, including at least one state each in the southern, northern and north eastern regions of India.

The Institute has made exceptional strides over the past eight years. Visitors to the campus frequently comment about its vibrancy, academic ethos and culture, the energy of its faculty staff and students, and innovations in curricula and governance.

None of this would be possible without the hard work and dedication of all our faculty, staff and students, and the deep faith and confidence of our well wishers. The colleagues from CPWD worked extremely hard to build our campus speedily. A very generous community of friends of the Institute contributes time and funds to enable IITGN attract exceptional talent of faculty, staff and students, and to provide them extraordinary opportunities. The Institute has been fortunate to have extremely supportive Board of Governors, and State and Central governments. We also received remarkable support and cooperation of the Principal, faculty and students of VGEC Chandkheda, who have hosted us for the past eight years, for which we are exceedingly grateful.

Building a new university is a great privilege and an enormous responsibility. The actions of the initial years have a disproportionate impact on the Institute in the decades ahead. Very few get an opportunity to contribute to building a new university and all of us associated with the Institute are mindful of the singular privilege accorded to us. We must prove ourselves worthy of the trust that our country and society has placed in us by investing enormous resources on the Institute.

We are encouraged by the enormous progress we have made thus far, but we are conscientious also of the long journey ahead to fulfill our aspirations to build a university of global stature at Palaj in Gandhinagar.

Prof Sudhir K Jain
Director, IIT Gandhinagar

ACADEMICS

PROGRAMMES OFFERED

BTech, MTech and PGDIIT
Chemical Engineering | Civil Engineering | Electrical Engineering | Materials Science and Engineering | Mechanical Engineering

MSc
Chemistry | Cognitive Science | Mathematics | Physics

MA
Society and Culture

Doctoral
Biological Engineering | Chemical Engineering | Chemistry | Civil Engineering Cognitive Science | Computer Science and Engineering | Earth Sciences | Electrical Engineering | History | Language and Literature | Materials Science and Engineering | Mathematics | Mechanical Engineering | Philosophy | Physics | Political Science | Psychology | Social Epidemiology | Sociology | South Asian Studies

www.iitgn.ac.in/aca-programm.htm

CENTERS

ARCHAEOLOGICAL SCIENCES CENTRE

IIT Gandhinagar's Archaeological Sciences Centre (ASC) was formally constituted in Dec 2012 with the following principal objectives:

- Creating state-of-the-art facilities that will be of service to the archaeological community at large.
- Carrying out and encouraging cutting-edge research in all scientific disciplines used in archaeological investigations the world over.
- Interacting with Archaeological Survey of India (ASI) and other institutions/ University departments so as to stimulate fresh research and provide professional training in the archaeological sciences.
- Nurturing bridges between humanities and scientific disciplines, for which archaeological sciences are ideally situated.

The ASC has collaborations with Physical Research Laboratory, Ahmedabad; Tata Institute of Fundamental Research, Mumbai; and IIT Kanpur for characterization of archaeomaterials. ASC has also been working with Gujarat State Archaeological Department and Sardar Patel University, Vallabh Vidya Nagar for archaeological investigations at Bhagatrav (south Gujarat). Regular academic interactions with MS University, Baroda; and Deccan College, Pune, have been mutually beneficial. The ASI is also making efforts to collaborate with various institutions carrying out research in archaeology in general and ASI in particular. An MoU was signed in August 2015 for "Strengthening and Supporting the Archaeological Sciences Centre established at IIT Gandhinagar". IITGN offered ASI to undertake GPR investigations at the archaeological site of Vadnagar, wherein excavations were conducted by the State Department of Archaeology Gujarat in the past and ASI at present.

As per the MoU signed between ASI and IITGN, ASC is helping to undertake several aspects related to multidisciplinary investigation of the excavated site of Dholavira (Rann of Kachchh). The ASC is continuing its efforts which were initiated since signing of MoU between ASI and IITGN.

The Archaeological Sciences Centre organised a 5 day short-term course-cum-workshop on **History, Science and Technology of Stone beads** from Aug 10-14, 2015. Experts and participants from ten countries including USA, UK, France, Japan, Iran, Thailand, Bangladesh, Nepal and Sri Lanka besides India participated and deliberated on the subject. This workshop trained 80 participants from all states and many universities, museums and research institutes of the India.

Prof Jonathan Mark Kenoyer, Department of Anthropology, University of Wisconsin-Madison was invited by IIT Gandhinagar to deliver the first lecture of Indira Foundation Distinguished Lecture Series and to interact with the Archaeological Sciences Centre (ASC). Prof Kenoyer visited IIT Gandhinagar from Dec 16, 2015 to Jan 16, 2016 and initiated the following activities:

- Visit to copper ore mines at Ambaji, Gujarat and collection of samples for conducting experimental smelting
- Visit to zinc ore mines at Zawar, Rajasthan to collect samples
- Visit to Khambhat to work with traditional stone bead manufacturers
- Experimental smelting of copper ores collected from Ambaji mines

Keeping in view of the specialization and vast experience of Prof Kenoyer in the field of Archaeology as a discipline and Harappan Archaeology in particular a lecture series in archaeology was organized. Prof Kenoyer delivered the following lectures:

- Jan 4, 2016: Archaeological Method and Theory
- Jan 5, 2016: Field Techniques in Archaeology
- Jan 6, 2016: Experimental Archaeology- Indus Civilization
- Jan 7, 2016: Archaeology of Mohenjo-daro and Harappa
- Jan 13, 2016: Indus Technology in Oman and Mesopotamia

ASC is continuing to build multiple collaborations with other faculty members/disciplines within IITGN. The initiatives like GPR, remote sensing, 3D laser scanning, characterization of soils, rocks and clays, chemical characterizations, etc, have taken place as

joint exercises with IITGN faculty members. ASC is planning to undertake metallurgical studies of copper from Dholavira with the Material Sciences faculty in the future. **Prof V N Prabhakar** is the Centre Coordinator.

CENTRE FOR BIOMEDICAL ENGINEERING

The Centre for Biomedical Engineering at IIT Gandhinagar is focused on carrying out cutting-edge research in the area of biomedical engineering. The Centre has an explicit mission to produce research that is of social relevance to India, and by extension, across the world.

The main objectives of this Centre are:

- Carrying out research and development in the areas of Biomedical Engineering and Healthcare Technologies.
- Developing low cost, affordable cost-effective technologies related to health care to help people in rural areas.
- Collaborating with foreign universities and prominent national and international institutes to conduct research in three major focus areas.

The research at this Centre has three main focus areas: Diagnostic/Therapeutic Tools and Techniques; Automated Rehabilitation and Prosthetic Techniques; and Public Health Techniques.

A presentation was made to the Industry Commiserate of Government of Gujarat on Sep 29, 2015 based on an interim report of activities of the Center. On July 29, 2015, a presentation was made on the progress made by the Centre of Biomedical Engineering in front of the Board of Governors meeting of IITGN. The progress made in research at the Centre for Biomedical Engineering was appreciated.

On Jan 29, 2016 IITGN hosted a one-day meeting where experts such as, **Prof Dinesh Kant Kumar** (Professor (Biomedical Engineering, RMIT, Australia) and **Prof Suresh Devasahayam** (Professor, Biomedical Engineering, CMC, Vellore, India) reviewed different research projects carried out under the aegis of the Centre. In addition, there was a representative from the Government of Gujarat, **Mr D R Parmar** (Dy Commissioner of Industries).

Prof Uttama Lahiri is the Coordinator and **Prof Sivapriya Kirubakaran** is the Co-coordinator of the Centre.

CENTRE FOR COGNITIVE SCIENCE

The Centre for Cognitive Science aims to enhance scholarship in the area of cognitive science through research and development activities. The Institute offers PhD, MSc and Minor programmes in Cognitive Science. The Centre also aims to disseminate knowledge and take leadership role in cognitive science within the country.

The primary objective of the Centre for Cognitive Science is to engage in interdisciplinary research to study cognition, brain and behavior. The Centre also proposes to engage in outreach activities in the area of cognitive science to popularize this discipline in India. The Centre has taken up capacity building and fundamental research in cognitive science as one of the immediate priority. The research activates of the Centre is expected to benefit areas like education, mental health, social behavior and technological development. IIT Gandhinagar is in a unique position to foster cognitive science and achieve these objectives due to the institutional priority on seamless cross-disciplinary interaction.

Cognitive Science is relatively a new discipline in Indian academia. IIT Gandhinagar has been a leader in terms of developing a Cognitive Science programme and nurturing it, and is in fact the first IIT to do so. The programme began when an international conference on cognitive science was convened at the institute in 2010. The conference was a turning point where researchers from India and abroad found that IITGN is committed to Cognitive Science. Strong institutional support saw the establishment of a PhD program in Cognitive Science in 2010 with one faculty member and two students. The group has now grown to 6 full time faculty, more than 15 PhD scholars, more than 20 MSc students and a number of visiting scholars and academics from around the globe. The Centre for Cognitive Science was formally established at IIT Gandhinagar by a Board resolution on December 02, 2014. Some of the recent events organized by the Centre include: Third International Conference on Cognition, Brian and Computation, 2015; and Annual meeting of the Association of Cognitive Sciences, India, 2016. **Prof Jaison Manjaly** is the Coordinator and **Prof Patik Mutha** is the Co-coordinator of the Centre.

DESIGN AND INNOVATION CENTRE (DIC)

The Design and Innovation Centre (DIC) at IIT Gandhinagar promotes collaborative projects, research and educational initiatives on design and

innovation. The DIC also nurtures student and faculty initiatives to develop innovative products and solutions through curricular and extra-curricular projects.

The focus of the DIC is to develop innovations that have a major impact on the improvement in the quality of life in Indian society in particular and the world in general. The Centre fosters a multidisciplinary approach and supports projects of an innovative nature and collaborates with globally acclaimed institutions. The projects at the DIC have a strong industry and social focus and follow a human-centric design philosophy in a wide range of areas, such as social innovations, ecological design, frugal engineering, etc.

Three students from IIT visited Ricoh, Japan in Dec 2015. They visited Ricoh facilities and discussed different aspects about their concept of futuristic printer design.

Dr Nikhil Balram, President & CEO Ricoh Innovations-USA visited IITGN on Sep 10, 2015. Dr Nikhil delivered a talk on Light Field Imaging and Display.

Mr Manoj Kumar, Managing Director and Chief Executive Officer of Ricoh India visited IITGN on Dec12, 2015 to discuss future collaboration between IIT Gandhinagar and Ricoh.

Mr Tomohiro Harada visited Palaj campus on Feb 16, 2016. A meeting was held with Mr Harada and faculty members of IITGN to discuss future projects. One of the principal objectives of the DIC is to advance design and innovation in the IITGN curriculum. The institute has introduced a compulsory design course for all undergraduates in the second year. DIC faculty have led innovative global educational partnerships and joint courses with the California Institute of Technology and the School of the Arts at Northampton University, UK. The DIC seeks to cultivate a design ecosystem at IITGN with talks, seminars, symposium and workshops. It also conducts periodic design contests around active projects and facilitates student and faculty design and innovation projects.
The DIC offers in-house design services to the Institute community, including development of posters, flyers, brochures, reports, conference materials, book covers, mobile app design, etc. **Prof Harish P M** is the DIC Coordinator.

THE SAFETY CENTRE

The vision of the Safety Centre is to be a prominent national leader in the creation and dissemination of knowledge for a safer India through excellence in research and by promoting safety in the public and private spheres.

The Safety Centre advances these objectives with activities to:

- Discover: Research projects, consultancies and project implementation. Promoting awareness and undertaking public advocacy around safety.
- Teach: Introducing industrial safety courses in IIT Gandhinagar's graduate and undergraduate curriculum.
- Outreach: Safety conferences and seminars to enable safety professionals from around the world to network and explore the state of the art and new safety technologies; as well as training programmes for safety professionals.
- Practice: Training staff and students on safe working practices in all aspects of IIT Gandhinagar's operations such as labs and event organization.

The Safety Centre is focused on conducting cutting-edge research with the aim of improving research and practice in the areas of Earthquake Engineering, Fire Safety, Chemical Process Safety and Road Safety. Some of the activities of the Centre during the year include:

- The creation of Henry Merill Safety Engineering Lab.
- Fire Research: Fire is a hazard that is present everywhere and can quickly become a disaster if proper safety measures are not employed. The Centre is working on risk assessment and safety enhance of building systems against fire.
  - Development of design fire curves for Indian buildings
  - Development of efficient methods for structural fire analysis of RCC framed buildings
  - Characterization of in-plane and out-of-plane behaviour of masonry infill panels
  - Electrical Fire: Under UL Safety Science Challenge 2014, students are working on Electrical Fire problem and its understanding.
- Research on Chemical Process Safety:
  - Application of Cognitive Engineering in addressing human error in Process safety

- Animation of Jaipur IOCL Terminal Fire
- Research in Earthquake Safety
  - Seismic Hazard Analysis of Gujarat (Ground Motion Characterization)
  - Seismic Safety Assessment of Non-structural components
- Research on Road Safety

Prof Rajagopalan Srinivasan is the Coordinator and **Prof Chinmay Ghoroi** is the Co-coordinator of the Centre.

CENTRE FOR SUSTAINABLE DEVELOPMENT

Dr Kiran Patel Centre for Sustainable Development (CSD) at the Indian Institute of Technology Gandhinagar aims to provide a platform for interdisciplinary activities from problem identification, research, and outreach and to possibly adaptation, which may ensure sustainable development as well as an efficient and smart use of available resources. The overarching scientific question that the centre will address is: to what extent will a combined approach based on traditional knowledge, advanced research, and an active outreach (training and awareness) related to water, energy, and public health help in achieving overall sustainable development in the challenging era of climate change and increasing urbanization?

The Centre will seek to find cost-effective and sustainable solutions for problems that have high societal implications. This Centre will focus on the five major themes, namely (a) Water Resources and Climate Change (b) Energy (c) Natural Resources and Environment (d) Public Health (e) Human concerns of Development.

The research activities of the Centre in 2015-16 were carried out in different themes. Various hydrological and river studies were carried out on tributaries of the Ganga River system to understand their dynamic behaviour and associated flood hazards. Climate change impact models for Madhya Pradesh and Meghalaya were prepared for the Government of India. The hydrological behaviour of all the major rivers of India were predicted for Near- (2010-2039), Mid- (2040-2069) and End- (2070-2099) term climate change scenarios. A sustainable management plan for lake was developed for the Government of Gujarat. Further, new projects were also submitted regarding setting a Critical Zone Observatory in the western India and to develop sustainable river management plan through interdisciplinary approach. Outreach activities have been carried out through a workshop on Sustainable Development in May, 2015. The workshop was attended by the researchers from diverse fields ranging from water management, air pollution, forest management to social epidemiology. The workshop has defined the sustainability agenda of IIT Gandhinagar in short, medium and long term period. **Prof Vikrant Jain** is the Centre Coordinator.

DEVELOPMENTS AT IITGN

AWARDS

UNIVERSITY OF THE YEAR

IIT Gandhinagar was recognized as **University of the Year** at the Federation of Indian Chambers of Commerce and Industry (FICCI) Higher Education Excellence Awards 2015 in the category of institutes "in existence for less than 10 years".

HUDCO DESIGN AWARDS 2015

The staff residences and student hostels of IIT Gandhinagar's newly constructed permanent campus at Palaj, Gandhinagar bagged the **First Prize at the HUDCO Design Awards 2015** under the category of Cost Effective Rural/Urban Housing including Disaster Resistant Housing.

IIT GANDHINAGAR CAMPUS RECEIVES 5* RATINGS

IIT Gandhinagar campus received **5 Star ratings from The Green Rating for Integrated Habitat Assessment for Large Developments (GRIHA LD)**. They recognized the efforts by IIT Gandhinagar to develop a green campus with various environment oriented initiatives such as low-energy sewage treatment, water recycling, rain water harvesting, rooftop solar photovoltaic plants, solar water heaters, passive ventilation, pedestrian friendly campus, environmentally- friendly materials used on site (eg concrete roads, fly ash bricks), solid waste management, biogas plant, etc.

www.iitgn.ac.in/admin-bog.htm

IITGN BOARD OF GOVERNORS RECONSTITUTED

Four new members have joined the Board of Governors of the Institute as nominees of the IIT Council: **Dr Chandrima Shaha**, director, National Institute of Immunology, New Delhi; **Prof Shobhana Narasimhan**, dean, Academic Affairs, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore; **Prof Mythily Ramaswamy**, professor, Tata Institute of Fundamental Research, Bangalore; **Shri R Subrahmanyam**, IAS, Additional Secretary (Technical Education), Department of Higher Education, Ministry of Human Resource Development, Government of India, New Delhi. Further, **Prof R Sharan**, Visiting Professor, and **Prof Amit Prashant**, Professor, IIT Gandhinagar, have joined the Board of the Institute as Senate nominees. The board has 11 members in all.

LAUNCH OF GLOBAL INITIATIVE OF ACADEMIC NETWORKS (GIAN) AT IITGN

The Union Minister of Human Resource Development (MHRD), **Smt Smriti Irani** inaugurated the new MHRD scheme **Global Initiative of Academic Networks** (GIAN) at IIT Gandhinagar on Nov 30, 2015. Other dignitaries who were present include **Shri Bhupendrasinh Chudasama**, Minister of Education, Government of Gujarat, **Shri V S Oberoi**, Secretary of Higher Education in MHRD and **Prof P P Chakrabarti**, director, IIT Kharagpur. The GIAN initiative was flagged off with two 10-day courses. The first course held at IITGN was titled **3D Digitization for Cultural Heritage** delivered by **Dr Marco Callieri**, Institute of Science and Technologies of Information, Pisa, Italy. The second course that ran in parallel at IIT Kharagpur was titled **Orthopaedic Biomechanics: Implants and Biomaterials**. During her visit, Smt Irani had several informal interactions with the students and also visited the student hostel mess.

LANDMARK DISCOVERY OF GRAVITATIONAL WAVES HAS IITGN CONTRIBUTIONS

IIT Gandhinagar is a global partner in the landmark scientific discovery of gravitational waves coming from colliding Black Holes. Gravitational waves were predicted by Albert Einstein in his General Theory of Relativity a hundred years back in 1915. The gravitational waves were detected on September 14, 2015 by the Laser Interferometer Gravitational Wave Observatory (LIGO) detectors, located in Livingston, Louisiana, and Hanford, Washington, USA.

A research group at IITGN led by **Prof Anand Sengupta** has played a part in this discovery. The research group at IITGN has made important contributions in developing some of them and deploying them on supercomputers. Over the past 4 years, IITGN has become a partner in the global efforts for detection of gravitational waves by participating in the development of sensitive search algorithms using a network of terrestrial detectors and their deployment over automated data analysis workflows using high-throughput computing technology.

LIGO Scientific Collaboration (LSC) is a group of more than 1000 scientists from universities around the United States and in 14 other countries. Prof Sengupta is participating in the LSC under the aegis of Indian Initiative in Gravitational-Wave Observations (IndIGO) - a consortium of 100 scientists from nine research institutes and universities in India, who have contributed to this discovery. A total of 37 scientists from IndIGO contributed in the discovery paper.

ACTIVITIES AT IITGN

FOURTH CONVOCATION CEREMONY

The fourth convocation of the Institute in which 173 students were awarded degrees, was held at its permanent campus at Palaj on Aug 1, 2015.

The graduates included 105 BTech, 31 MTech, 6 PhD, 25 MSc and 6 PGDIIT students. **Shri Baba N Kalyani**, chairman & managing director, Bharat Forge Limited; and chairman, Kalyani Group of

www.iitgn.ac.in/convocation/

Companies, was the chief guest at the event. **Dr Baldev Raj**, chairman of IITGN Board of Governors, presided over the event. The Institute awarded 40 medals and awards to recognize achievements in academics, sports, leadership and community service. The recipients of the awards are as follows:
President's Gold Medal, BTech (**Preet Shah**), President's Gold Medal, MTech (**Gundeep Kaur Sudan**), President's Gold Medal, MSc (**Vishakha**), Institute Gold Medal, BTech (**Prathamesh Ganesh Bhat, Sudiksha Sridhar, Preet Shah**), Institute Gold Medal, MTech (**Gundeep Kaur Sudan, Preeti Rathi, Ganeriwala Mohit Dineshkumar, Krishna Kumar Saxena**), Institute Gold Medal, MSc (**Amarjyoti Das Mahapatra, Vishakha, Pamnani Ujjval Ashokkumar**) Institute Silver Medal, BTech (**Ayush Choudhary, Tushti Shah, Mishita Jaiswal**), Director's Gold Medal, BTech (**Harsh Gupta**), Director's Gold Medal, MTech (**Taruna Yadav**), Director's Gold Medal, MSc (**Goldy Yadav**), Director's Silver Medal, BTech (**Soham Harshe, Monish Bhangale, Raj Shah**), Outstanding Innovation (**Dhyey Shah**), Outstanding Social Service (**Akash Keshav Singh**), Integrity and Exemplary Human Qualities (**Eepsit Tiwari**), Outstanding Research, BTech (**Rohan Patidar**), Outstanding Research, MTech (**Ganeriwala Mohit Dineshkumar**), Outstanding Research, MSc (**Vishakha**), Overall Outstanding Performance in Sports (**Parth Sane**), Outstanding Performance in Aquatics (**Parth Sane**), Outstanding Performance in Indoor Sports (**Monish Bhangale**), Outstanding Performance in Outdoor Sports (**Chetan Patil**), Outstanding Performance in Athletics (**Taruna Yadav**), Outstanding Performance in Arts and Culture (**Eepsit Tiwari**), Pioneer Batch Award for Outstanding Leadership (**Akash Keshav Singh**), Best Performance in core courses in Engineering Graphics, and Manufacturing and Workshop Practice (**Prathamesh Ganesh Bhat**), Best Performance in core courses of Mathematics (**Mishita Jaiswal**), Best Performance in core courses in Physics and Chemistry (**Preet Shah**), Best Performance in core courses in Humanities and Social Sciences (**Nishant Rao**), Best Overall Performance in Humanities and Social Sciences subjects (**Sukriti Gakhar**).

FOUNDATION PROGRAMME 2015

From adventure sports to treasure hunt, IITGN used an array of innovative methods to groom its incoming batch of undergraduate students during the five-week long **Foundation Programme** held during July 23-Aug 28, 2015. The event was flagged off by the chief guest **Prof Urjit Yajnik**, a professor of physics at IIT Bombay and the first dean of Academic & Student Affairs at IITGN. The programme began with a welcome address by **Prof S P Mehrotra** followed by an interactive session with the deans and the academic coordinators of the various disciplines. The five weeks were interspersed with sessions on story-telling, photography, sketching, music, painting, making comic books, sculpture, yoga, sports, heritage walk, theatre activities, street cleaning and tree-planting. Several engaging talks on leadership, gender sensitivity, ethics and value education were also organized to encourage the students to open up their minds.
The city-based dance and theatre group, **Darpana Academy**, conducted workshops on Kalaripayattu and Folk Dance followed by a lecture-cum-demonstration by the renowned danseuse **Ms Mallika Sarabhai**.
The programme was coordinated by **Prof Abhay Raj Singh Gautam**, **Prof Madhumita Sengupta**, **Prof Bharadwaj Coleppa** and **Prof Sourindra Choudhury**.

www.iitgn.ac.in/foundation-programme/

SUMMER INSTITUTE ON GLOBAL HEALTH & DEVELOPMENT

IITGN in collaboration with the University of Saskatchewan, Canada, organized a **Summer Institute on Global Health & Development** from May 15-June 15, 2015. A total of 42 participants from leading educational and research institutions in India were selected. The event was supported by the Gujarat Alkalies and Chemicals Limited (GACL), Vadodara and offered, through pedagogy and research, a unique opportunity to engage and prepare young researchers in their pursuit of a healthy, equitable and sustainable world. Key resource persons included **Prof Tannistha Samanta** (convener), **Prof Malavika Subramanyam** and **Prof Shivakumar Jolad**, IITGN; **Prof Lisa Vargo, Prof Kalowatie Deonandan, Prof David J Parkinson, Dr Lachlan McWilliams, Dr Robert Alexander Innes, Mr Jason Disano** and **Ms Sugandhi del Canto**, College of Arts & Science, University of Saskatchewan; and **Dr Raywat Deonandan**, University of Ottawa, Canada. The Summer Institute also hosted invited speakers including **Prof Dileep Mavalankar** from the Indian Institute of Public Health Gandhinagar as the keynote speaker; **Prof Irudaya Rajan**, Centre for Development Studies, Kerala; **Dr Subharati Ghosh**, Tata Institute of Social Sciences (TISS), Mumbai; **Prof Tara Nair**, Gujarat Institute of Development Research, Ahmedabad; and **Mr Gautam Patel**, J-PAL South Asia.

IITGN EXPLORER'S FELLOWSHIP 2015

Twenty-two IITGN students received the IITGN Explorer's Fellowship for the summer of 2015. The students were divided into 8 teams and every team member was awarded Rs 45,000 to travel to different states in India over a period of six weeks during May-June, 2015. These fellowships are intended to introduce students to the amazing cultural and geographic diversity of the country. The fellowship requires the students to explore six or more states, including at least one state each from the southern, northern and north-eastern regions of the country. The students are required to travel by sleeper class in trains or by state government buses and to stay in low-cost accommodation. They are also expected to maintain a diary or blog during the travels. The two best diaries or blogs will receive a prize of Rs 5,000 and a certificate of merit.

FIRST IITGN ALUMNI MEET

The Alumni Association of IIT Gandhinagar hosted 50 alumni at its first Annual Alumni Meet on Aug 1, 2015. An Alumni-Student Interaction session provided the current students an opportunity to interact with alumni working in more than 40 different organizations and exchange ideas with them. A guided tour of the permanent campus was also arranged for the alumni. **Mr Pratyul Kapoor**, executive council member of the Alumni Association addressed the members and discussed various issues and the association's plans to take up further activities. This was followed by an address by **Prof Jaison Manjaly**, dean, Student Affairs. **Mr Anshul Gupta** presented the director Prof Jain with a gift of Rs 6 lakhs raised by the class of 2015. The Meet concluded with alumni-faculty interaction over dinner. The event was coordinated by **Muzammil Rawoot, M Surya, Nilay Thakor, Darshil Chauhan** and **Anikesh Kamath**, student coordinators, IITGN Alumni Cell; and **Prof Superb Misra**, faculty advisor, Alumni Affairs, IITGN.

FIRST MAJOR EVENT AT THE PERMANENT CAMPUS

On May 2, 2015 one of the new hostels on the permanent campus at Palaj, Gandhinagar was inaugurated followed by a **BADA Khana** for all members of the IITGN community including construction workers, construction contractors, project management team, employees of the institute and other well-wishers. Over one hundred students from the graduating batch stayed overnight in the newly constructed hostel.

www.iitgn.ac.in/administration_aac.htm

5TH ACADEMIC ADVISORY COUNCIL MEETING

The **5th Academic Advisory Council** meeting held on Dec 28, 2015 discussed issues relating to tenure system for faculty, peer review and mentoring for faculty, and efficient usage of funds both for faculty productivity and student support. Envisioned as an annual meeting, the Academic Advisory Council provides strategic and external inputs on issues of key importance to the growth of the Institute.

www.iitgn.ac.in/administration_leadership.html

6TH LEADERSHIP CONCLAVE

The **6th Leadership Conclave** held on Dec 29, 2015 discussed initiatives for strengthening an entrepreneurship culture in the institute, making community engagement part of the mainstream agenda, frameworks for international partnerships, and engaging external stake-holders. The Institute organizes this annual Conclave to seek guidance regarding the Institute's short-term, medium-term, and long-term strategic issues. The Conclave is attended by eminent educators from India and around the world, as well as participants from the industry and government.

IITGN'S NEW MONOGRAPH PUBLICATION

Under the series **Campus on the Sabarmati** IIT Gandhinagar has recently released the first monograph **Confined masonry for residential construction**. This publication describes the use of confined masonry construction technology for over thirty buildings (student hostels and faculty and staff apartments). This monograph is expected to help sensitize and educate building professionals in India and elsewhere about the excellent features of confined masonry. The link to the full text is available below. The series intends to describe the development of IITGN's campus.

Monograph | www.iitgn.ac.in/sites/default/files/ConfinedMasonry.pdf

UL CHALLENGE 2014

Underwriters Laboratories (UL) floats an engineering challenge for undergraduate students of IITGN annually since 2009. This year the contest focused on **Electrical Fire**. **Mr Srinivasa Desikan V**, director, Operation of UL South Asia, announced the winning teams on April 23, 2015. Eight students (**Suraj Kumar Bhosale, Mayank Khewaria, Akshay Verma, Amit Yadav, Surya Kumar Mane, Pratham Goel, Kapil Pathak** and **Dipen Somani**) were selected as winners of UL Challenge 2014. During phase 2 the team worked at IITGN on design of experiments and analysis to study the causes of electrical fires in low voltage applications in greater depth. The work done in phase 2 was extended using the lab facilities at Underwriters Laboratories in Chicago. Seven students visited UL, Chicago and National Renewable Energy Laboratories, Denver Colorado, (NREL) lab. The team is currently working on a technical paper based on their work and on a design project on safe electrical receptacles.

SRIP 2015

Seventy-four students from premier institutes of the country including IIT Kanpur, IIT Madras, IIT Kharagpur, IIT BHU, ISM Dhanbad, IIST Trivandrum and SVNIT Surat participated in the **Summer Research Internship Programme** (SRIP) 2015. Another 126 students of IIT Gandhinagar as well as a student from the University of Saskatchewan, Canada also interned under the programme. The SRIP 2015 was held during the period May 1 to July 10, 2015. **Prof Chetan Pahlajani** and **Prof Shanmuganathan Raman** coordinated the event under the guidance of **Prof Bhaskar Datta**.

REFECO'15

Researchers' Ferret Confab 2015 (REFECO'15), is an initiative by PhD scholars of IIT Gandhinagar through which they aim to explore the interdisciplinary nature of the existing research in association with sharing ideas and challenges pertinent in various spheres of science and technology impacting society. The event was held during April 11-12, 2015. The participants included students of IITGN along with students from IISER Mohali, IIT Delhi, IISER Pune, Nirma University, VGEC, LD College, PDPU, and M S University Vadodara. The event featured a total of 55 oral presentations and 18 poster presentations. The invited speakers included **Prof Anil K Gupta**, IIM Ahmedabad; **Dr Sudeendra Koushik**, Think Tanks; **Dr Tara Nair**, GIDR; and **Prof Rajagopalan Srinivasan**, IITGN.

SUMMER SCHOOL ON BASIC ENGINEERING TOPICS

A four-week **Summer School on Basic Engineering Topics**, designed to improve teaching methods for courses commonly taught in the first two years of engineering was held during June 8- July 4, 2015. Over 120 faculty members and 150 students from the local engineering colleges took part in the programme.

3RD INTERNATIONAL CONFERENCE ON COGNITION, BRAIN AND COMPUTATION

The Centre for Cognitive Science at IIT Gandhinagar hosted its **3rd International Conference on Cognition, Brain and Computation** during Dec 5-7, 2015. The conference brought together an interdisciplinary dialogue between neuroscience and computational approaches in study of cognition. The event saw a participation of 150 members from across India. The conference was coordinated by **Prof Krishna P Miyapuram**, IITGN.

SUMMER TRAINING PROGRAMME FOR FFE SCHOLARS

IITGN hosted a **Summer Training Programme** for FFE (Foundation for Excellence) scholars during June 15-July 04, 2015. The programme was attended by a total of 58 engineering students from across the country. The programme aimed at technical training, communication skills and spoken English. The event was coordinated by **Ms Sushma Abburi**, COO, Foundation for Excellence India Trust and **Prof Jaison Manjaly**, IITGN.

FIRST INDO-CHINESE YOUNG ENGINEERS LEADERS' CONCLAVE

IIT Gandhinagar in association with Indian National Academy of Engineering (INAE) and Chinese Academy of Engineering (CAE) hosted the **1st Indo-Chinese Young Engineers Leaders' Conclave**, Oct 7-9, 2015. The four themes of the conclave included: Safety-Technology and Culture; Health Care Devices; Big Data; and Clean Water. **Dr K Kasturirangan**, former chairman, ISRO, was the chief guest. Other dignitaries included **Dr Baldev Raj**, chairman of IITGN Board of Governors; **Mr M V Kotwal**, Larsen & Toubro; **Dr Zhong Zhiuha**, Secretary General of Chinese Academy of Engineering. About 15 Chinese and 25 Indian delegates participated in the event. The event was coordinated by **Prof Pranab Mohapatra**, IITGN.

TOYS FROM TRASH

As part of its **School Outreach Activities**, IIT Gandhinagar organized **Toys from Trash** for class XI and XII students of two Kendriya Vidyalaya Schools, Oct 12, 2015. **Mr Manish Jain**, an IIT Kanpur graduate who now works full-time on popularizing science and mathematics in schools, took the students on an amazing ride of science through toys made from everyday items.

SCIENCE DAY

A variety of science secrets that could be used either as life hacks or entertainment were showcased at IITGN on March 12, 2016. The display was a part of the institute's celebration of Science Day which aims to bring more awareness among the people about the power of science. The event had around 50 stalls with different demonstrations. Apart from experiments showcased by IITGN, the events also hosted a line of interesting demonstrations and workshops by Physical Research Laboratory (PRL), Vikram Sarabhai Community Science Centre, and Pratham. The event hosted over a thousand school students and other visitors. Apart from experiments with physics, chemistry and electronics, science quizzes, magic shows, rocketry workshops and other activities were also conducted for the visitors. The event is a part of the Rashtriya Aviskar Abhiyan (RAA) activities of IITGN which is supported by Sarva Shiksha Abhiyan (SSA) and Rashtriya Madhyamik Shiksha Abhiyan (RMSA). The event was coordinated by **Prof Sriram Kanvah** and **Prof Shivakumar Jolad**.

INDIA KI KHOJ

The fourth edition of **India Ki Khoj** held during Dec 14-23, 2015 was joined by a team of three students from Japan Advanced Institute of Science and Technology (JAIST) along with 12 students from Caltech and 16 students of IITGN. Eminent speakers included **Prof Rowena Robinson**, IIT Bombay; **Dr Linda Hess**, Stanford University; **Prof Surinder Jodhka**, Jawaharlal Nehru University; **Ms Amrita Shah**, columnist and non-fiction writer. India Ki Khoj was first conceptualized in 2011 to host a cultural immersion into India for foreign students. The event was coordinated by **Prof Jaison A Manjaly** and **Prof Rita Kothari**.

INAUGURATION OF CANARA BANK

A branch of the Canara Bank was inaugurated by Director, **Prof Sudhir K Jain** on Nov 19, 2015 at permanent campus of the Institute. The branch went into operation the same day and has been providing wide range of banking services including a 24-hour ATM.

DISCUSSION ON UNDERGRADUATE RESEARCH

Ms Candace Rypisi, Director of Student-Faculty Programmes at Caltech, interacted with faculty and research students on Dec 17, 2015. The main theme of this meeting was to discuss "Characteristics of Excellence in Undergraduate Research" in the context of Caltech's highly acclaimed SURF programme and IITGN's vision to promote research right from undergraduate level.

IITGN HOSTS 150 BTECH GIRLS FOR A DAY

IITGN hosted a group of 150 students for a day on Feb 11, 2016. The BTech students from Madhuben and Bhanubhai Patel Women Institute of Engineering for Studies and Research in Computer and Communication Technology (MBICT), New Vallabh Vidyanagar along with 9 faculty members were introduced to facilities available in the campus including the Electronics lab, Cognitive Science lab, Computational Neuroscience lab, and Mechanical Engineering lab, hostel, mess etc. An interactive session by IITGN faculty during the latter part of the day also informed the students about opportunities available for women as well as opportunities at IITGN. The session also shared some interesting and fundamental ideas of computer science with the students through puzzles and games. The visit was coordinated by **Prof Bireswar Das**.

ANNUAL PICNIC

The annual picnic was held on Feb 14, 2016 at Gujarat Forest Research & Training Institute, Gandhinagar. More than 200 people, including faculty, staff and their family members were a part of the day-long event. Apart from games and hikes, the IITGN family came together to enjoy an on-stage Antakshari event organized by **Prof Malavika Subramanayam** and **Soumya Harish**. There were also several cultural performances by **Prof Atul Dixit** and others. The trip was coordinated by **Prof Neeldhara Misra**.

SCHOLARSHIPS FOR STUDENTS

MERIT-CUM-MEANS SCHOLARSHIPS

Merit-cum-Means (MCM) scholarships were awarded to 87 undergraduate and 11 post graduate students of General and OBC categories during the year 2015-16. These are awarded to meritorious students (a high JEE/JAM rank for first year students and CPI greater than 6.5 for senior students), whose parents have limited income (up to Rs 4.5 lakhs per year). An MCM scholarship carries tuition fee waiver (current value Rs 90,000 per year) and Rs 1,000 per month for ten months.

In addition, tuition fee waiver (freeship) was awarded to 14 undergraduate students who did not qualify for MCM on merit but needed financial assistance.

All students of SC/ST category avail the tuition fee waiver. In addition, 15 undergraduate and 7 post graduate SC/ST category students whose parents' income was within the limit prescribed for MCM scholarships were granted the facility for free food in the student mess and Rs 250 per month for ten months.

GITA AND PRITHWISH GOSWAMI SCHOLARSHIP

The Gita and Prithwish Goswami Scholarship is awarded to a first year undergraduate student. This scholarship carries an amount Rs 1500 per month for ten months. Student qualifying with MCM scholarship criteria is eligible for this scholarship. **Hardeep** is the recipient of this scholarship for the year 2015-16.

S C MEHROTRA SCHOLARSHIP

The S C Mehrotra Scholarship is awarded to a second year student of civil engineering undergraduate student for the next six semesters. Students qualifying with MCM scholarship criteria are eligible for this scholarship. The value of the scholarship is Rs 1500 per month. **Vaddineni Srija** and **B Pranav Chakra Varthy** are the recipients of this scholarship for the year 2015-16.

NITEEN P SANT SCHOLARSHIP

The Niteen P Sant Scholarship is awarded to a second year student of civil engineering and materials science and engineering for the next six semesters. Students qualifying with MCM scholarship criteria are eligible for this scholarship. The value of the scholarship is Rs 20,000 per year and tuition fee waiver. **Prerna Singh** from Civil Engineering and **Deepak Dhariwal** from Materials Science and Engineering were the recipients of this scholarship for the year 2015-16.

PROF M H DIVEKAR SCHOLARSHIP

Prof M H Divekar Scholarship is awarded to a third year BTech (Chemical Engineering) student who secures highest grade in chemical engineering courses at the end of third year. This scholarship carries an amount of Rs 2,000 per month for ten months. Students qualifying with MCM scholarship criteria are eligible for this scholarship. **Nishit Shetty** is the recipient of this scholarship for the year 2015-16.

SCHOLARSHIP FOR EXCELLENCE

IITGN has instituted several merit scholarships for outstanding performance in academics, sports, art and culture, and social work and leadership. These scholarships are different from the Merit-cum-Means scholarships and are awarded only on the basis of outstanding achievements in respective fields. The scholarship carries a stipend of Rs 2,000 per month for 10 months. Excellence scholarships for the academic year 2015-16 have been awarded as follows:

Scholarship for Excellence in Academics

Nishit Shetty (CPI 8.82), **Jatindeep Singh** (CPI 9.48) and **Radhika Patil** (CPI 9.69) are the new recipients of Scholarship for Excellence in Academics for the year 2015-16 from the third year batch.

Anurag Singhania (CPI 9.35), **Rishab Anand** (CPI 10.00), **Bhargav Chauhan** (CPI 9.68) and **Srinivasan A** (CPI 9.33) are the new recipients of Scholarship for Excellence in Academics for the year 2015-16 from the second year batch. **Vasudev Gohil** (CPI 9.02), **Kshitij Sheth** (CPI 9.50), **Vinod Ramkrishnan** (CPI 9.65), **Varun Aggarwal** (CPI 9.22) and **Ayushman Tripathi** (CPI 9.48) are the new recipients of Scholarship for Excellence in Academics for the year 2015-16 from first year batch.

Scholarship for Excellence in Sports

The Scholarship for Excellence in Sports and Games is awarded to a maximum of six students for outstanding performance in sports and games as evidenced in the Inter-IIT sports meet or similar national events. **Pradeep Diwakar**, **Animesh Singh Kumawat** and **Nisha Rawat** were awarded this scholarship for the year 2015-16.

Scholarship for Excellence in Arts & Culture

The Scholarship for Excellence in Arts & Culture is awarded to upto 2 students for outstanding performance in cultural and other art festivals as evidenced at the Inter-IIT cultural meet or similar national events. **Rishabh Jain** was awarded this scholarship for the year 2015-16.

Scholarship for Excellence in Social Work & Leadership

The Scholarship for Excellence in Social Work and Leaderships awarded to upto two students for outstanding leadership exhibited by the students either in Institutional affairs (including organizing events and in discharging responsibilities in managing the students' office), or in social work. **Palak Sadani** and **Kushal Salecha** were awarded this scholarship for the year 2015-16.

IITGN INNOVATION AND ENTREPRENEURSHIP CENTRE

IIT Gandhinagar incorporated a separate section 8 company **IIT Gandhinagar Innovation and Entrepreneurship Centre** (IIEC) to implement the overall strategy for promotion of innovation and entrepreneurship, incubation, IP management and commercialization. The company is envisioned to be a service arm of IIT Gandhinagar that will work towards building a sustainable ecosystem to promote entrepreneurial attitude and successful spinouts.

INCUBATION ADVISORY MEETING

An advisory meeting was organized in January 2015 to discuss and plan activities of the Innovation and Incubation Centre. The panel of advisors included **Mr Harry Yuklea** from Technion University, **Mr H K Mittal** from DST, **Dr Madhu Mehta** from iCreate, **Mr Shushanto Mitra** from Lead Angles along with stakeholders from the institute. The discussions included long term vision, implementation goals and structure of the innovation and incubation programme.

STARTUP WINTER INTERNSHIP PROGRAMME (SWIP)

With the commitment to provide exposure of different work environments to its students as well as support and nurture start-ups promoted by its alumni and students, the Institute started an internship program where junior undergraduate students are sponsored to work as interns in the start-up companies founded by its students and alumni during semester breaks. The programme helps students gain experience of working in a highly evolving and dynamic startup environment. The students who were selected for the **Startup Winter Internship Programme** (SWIP) were offered internship in range of Rs 3,000/- per week. The Institute plans to continue the programme during the summer of 2016 as well.

CURRENT INCUBATEES

Cretif was founded by **Akash Keshav Singh, Harsh Gupta** and **Sushilkumar Shisode**, class of 2015, with the aim of improving road safety. Cretif has built an application which collects data from the vehicle to assess and help drivers improve their driving. It was declared the winner for Ahmedabad Chapter of International Business Plan Competition organized by TiE in collaboration with Rice University. Additional details available at: http://www.cretif.com/

4Dea started by **Dhyey Shah, Eepsit Tiwari, Preet Shah** and **Ankit Pandole**, class of 2015, is a technologically driven start-up in the field of virtual reality and interactive media. It creates virtual walk-throughs of real places and real events by capturing 360 degree spherical panoramic images. It also provides an information layer which can be used to embed photos, videos and text that can be used to highlight distinctive features in 3D space. Additional details available at: http://www.4dea.com/

UrbanHunt, a gamified, micro-reward based engagement platform where brands can run incentivized campaigns to unlock consumer insights and drive peer-powered marketing using comprehensive analytics by collecting shopping preferences and key data at every touch-point. Urbanhunt is promoted by **Jinesh Shah** and **Sumit Deshmukh**, class of 2014. Additional details available at: http://www.urbanhunt.in/

Geo-Carte Radar Technology Private Limited is working in the field of non-destructive geophysical exploration with the objective of providing the innovative approach for subsurface investigation using Ground Penetrating Radar (GPR), It is founded by **Silky Agarwal**.

INTELLECTUAL PROPERTY

During the year 2015-16, a total of 9 invention disclosures were generated by the faculty members out of that 5 were approved for filing patent at the Indian Patent Office. IITGN also filed a PCT application for an invention developed by **Prof Uttama Lahari**, in collaboration with **Dr Anirban Dutta**, INRIA France and **Dr Abhijit Das**, Senior Consultant Neurologist from Kolkata.

PARTICIPATION IN VIBRANT SAURASHTRA

IITGN participated in the **Vibrant Saurashtra Expo and Summit 2016** organized by Government of Gujarat during Jan 8-10, 2016, in Rajkot. The prime focus of Vibrant Saurashtra 2016 was inclusive development in key areas such as: Innovation, Sustainability, Industries, Technology, Youth & Skill Development, Knowledge Sharing and Networking. IIT Gandhinagar showcased technologies, innovation and entrepreneurship initiatives at the Expo and was well received by visitors at the stall and follow-ups later.

IIT GANDHINAGAR TO HOST RESEARCH PARK

With an objective to create an innovation cluster that thrives on continuous engagement of IITGN researchers, local industries, centers of global R&D firms, startups and incubators IIT Gandhinagar proposed to set up a Research Park near its campus. The proposal was evaluated by a joint committee of MHRD and DST that recommended setting up of Research Park at IIT Gandhinagar with a significant funding support.

CONFERENCES/WORKSHOPS/ SYMPOSIA/SEMINARS

Conferences, symposia, workshops and seminars on focus themes are vital academic activities that help stimulate discussions on different areas of importance. Many of these activities invite participation from other organizations and enhance the Institute's visibility to the outside world. The following activities were organized during 2015-16:

- **Entrepreneurship Development Workshop** during Apr 2-6, 2015 and Jun 8-12, 2015, by **Ms Shradhda Jain**, **Ms Swati Verma, Ms Soumya Harish, Mr B R Venkatesh** and **Mr Joseph Pius** for IITGN community outreach programme NEEV.
- Workshop on **Embedded systems and Internet of Things (IoT)** by **Prof Joycee Mekie**, IITGN, Apr 30-May 2, 2015.
- Hands-on workshop on **Designing Embedded Systems and Internet of Things (IoT) using Intel Galileo** by **Prof Joycee Mekie**, IITGN, May 4-5, 2015.
- Workshop on **Containers for Housing and Re-urbanization after Disasters**, Aug 19-21, 2015. It was attended by multidisciplinary teams comprising of engineers, architects and social anthropologists from EPFL Lausanne, UTM Malaysia, IIT Gandhinagar, and elsewhere.
- A one-day workshop on **Academic Leadership and Best Practices** under TEQIP-II was attended by 45 participants from Government Engineering Colleges in Gujarat, Sep 19, 2015. The resource persons were **Prof Sudhir K Jain** and **Prof Amit Prashant**.
- A workshop on **Designing with Data** by **Ms Harshada Patil**, designer, Global Nomad, Oct 27, 2015.
- A workshop on **Research Methodology** under the aegis of TEQIP-II was coordinated by **Prof Amit Prashant**, IITGN, Oct 27, 2015.
- Workshop on **Creative Writing** by **Mr Luke Kennard**, University of Birmingham in collaboration with British Council, Jan 27, 2016.
- A workshop on **Gender and Sexuality: Theory and Politics in India** by **Prof Svati Shah**, University of Massachusetts, Amherst, Feb 4, 2016.

- A workshop on **Globalization and Marginalziation** was conducted on Feb 9, 2016. **Prof Jan Breman**, Amsterdam School gave the Keynote address. The panelists included **Prof Ghanshyam Shah**, formerly at JNU; **Prof Indira Hirway**, Center for Development Alternatives, Ahmedabad and **Prof Tara Nair**, Gujarat Institute of Development Research, Ahmedabad.
- A seminar on **Conversations Across Disciplines: Teaching & Learning** was organized on Feb 13, 2016. **Prof Ramesh Gaonkar**, and **Prof Sudhir K Jain**, director, were the moderators of the event. Besides IITGN faculty the event was attended by **Prof Sahana Murthy**, IIT Bombay; and **Prof Shreepad Karmarkar**, IIT Madras.
- **Teacher workshop-II** by **Mr Manish Jain** and **Dr Procheta Mallik**, Arvindguptatoys.com, targeted at teachers of class 9-12 was held on Feb 25-26, 2016.

WORKSHOP ON SUSTAINABLE DEVELOPMENT

A workshop on **Sustainable Development** was held on May 1, 2015 to explore strategies, identify pressing needs and opportunities, as well as potential partner institutions, organizations and individuals involved in sustainable development work. The workshop brought together a select group of leading personalities from government, academia, and civil society to help IITGN firm up plans for the Centre for Sustainable Development (CSD) that it has proposed. The participants included **Mr Raj Mashruwala**, IIT Gandhinagar Foundation, Palo Alto, California, USA; **Mr Shrikar Dole**, IL&FS Academy of Applied Development (IAAD); **Mr Akhilesh Magal**, Gujarat Energy Research and Management Institute (GERMI), Gandhinagar; **Ms Nidhi Pasi**, Water Aid, New Delhi; **Mr Bharat Pathak**, GEER Foundation, Gandhinagar; **Prof Milind Sohoni**, IIT Bombay; **Mr Ajay Gajjar**, SFC Environmental Tech, Mumbai; **Ms Zeenat Niazi**, Development Alternatives, New Delhi; **Dr Shambu Prasad**, Institute of Rural Management Anand (IRMA); **Prof Amit Garg**, IIM Ahmedabad; **Prof Ajay Katuri**, CEPT University; and **Prof Vijayraghavan Chariar**, IIT Delhi. The workshop was coordinated by **Prof Achal Mehra** and **Prof Vimal Mishra**.

SCIENTIFIC AND MATHEMATICAL CONCEPTS' WORKSHOP

The workshop for science teachers, sponsored by Sarva Shiksha Abhiyan, Gujarat, held during Feb 5-6, 2016 at the institute was attended by around 100 science teachers of class 6-8 from Gandhinagar and Ahmedabad districts. Conducted by an alumnus of IIT Kanpur, **Mr Manish Jain** and an alumnus of IIT Delhi, **Mr Vishal Bhatt** and coordinated by **Prof Sriram Kanvah**, IITGN the event is a part of Rashtriya Avishkar Abhiyan, an initiative launched by Ministry of Human Resource Development.

COCOA 2016

An International School on a software system for Computational Commutative Algebra called COCOA was organized during Feb 22-26, 2016. COCOA Schools have been organised since 1999, with the objective of offering researchers an exposition to contemporary research topics in Computational Commutative Algebra. This is the first time that this school is being held in India. The participants included students and faculty from Italy and Germany, as well as several institutes form India including TIFR, IIT Bombay, IMSc, CMI, IISER, DRDO, IISST and several other Universities. The school was coordinated by **Prof Indranath Sengupta**.

SHORT COURSES

A variety of short courses are offered throughout the year to increase the choice and flexibility of course offerings, as well as to benefit from the expertise of visiting faculty and experts from varied backgrounds who visit the campus for short durations. The following short courses were delivered during 2015-16 by recognized experts in their respective fields.

- Short course on **Business Analytics** by **Mr Raman Bushan** and **Mr Sanjay Ojha**, Accenture (India), Apr 11-12, 2015.
- Short course on **Friction Stir Welding and Processing** by **Prof Amit Arora**, IITGN; **Prof Partha Sarathi De**, IIT Bhubaneshwar; and **Prof Satish Vasu Kailas**, IISc Bangalore, Jun 26-28, 2015.

- Short-term course-cum-workshop on **History, Science & Technology of Stone Beads** in collaboration with Archaeological Survey of India, Aug 10-14, 2015. Resource persons included **Prof J M Kenoyer**, Dr Randall Law, University of Wisconsin-Madison, USA; **Prof Massimo Vidale**, University of Padova, Italy; **Dr Bérénice Bellina**, National Centre for Scientific Research, France; **Dr Bunchar Pongpanich**, Buddhadasa Indapanno Archives-BIA, Thailand; **Dr L Dussubieux**, The Field Museum, Chicago; **Prof Manabu Koiso**, Kobe Yamate University, Japan; among others.
- Short course on **Transmission Electron Microscopy** by **Prof T Ramachandran**, Alufluoride Ltd, Aug 10-14 and Aug 17-21, 2015.
- Short course on **Configuring Digital Humanities** by **Prof Nishant Shah**, Institute of Culture and Aesthetics of Digital Media, Leuphana University, Germany, Aug 22-23, 2015.
- Short course on **Introduction to e-Business and e-Commerce** by **Mr Sunil Gupta**, former senior vice president, ITC Infotech, Sep 5-6, 2015.
- Short course on **Earthquake Seismology and Tectonics** by **Dr J R Kayal**, formerly with Geological Survey of India, Kolkata, Sep 15-16, 2015.
- Short course on **3D Geometry and Structures: Hands-on Science and Maths** by **Mr Manish Jain**, IUCAA, Pune, Oct 10-11, 2015.
- Short course on **Engineering and Value Creation** by **Mr Gautam Mahajan**, president, Customer Value Foundation, Oct 10, 16 & 17, 2015.
- Short course on **Geotechnical Investigations for Structural Engineering** by **Prof V S Raju**, distinguished Honorary Professor, **Prof Ajanta Sachan**, and **Prof Amit Prashant**, IIT Gandhinagar, Oct 15-17, 2015.
- Short course on **X-ray diffraction** by **Prof T Ramachandran**, formerly with IIT Kanpur, Oct 26 to Nov 7, 2015.
- Short course on **Ground Improvement** by **Dr G Venkatappa Rao**, formerly with IIT Delhi, Nov 7, 8, 14 & 15, 2015.
- Short course on **Development Studies** by **Dr Sandeep Pandey**, co-founder of Asha for Education, Nov 8-10, 2015.
- Short course on **Political Economy** by **Mr Atul Singh**, founder, CEO & Editor-in-Chief, Fair Observer, Nov 12-16, 2015.
- Short course on **Time Series Analysis – ARIMA** by **Dr Ash Pahwa**, educator, author, entrepreneur, and technology visionary, Dec 21-26, 2015.
- Short course on **Design in Terracotta** by **Mr Nikunj Vakani**, Clay Club Innovations Pvt Ltd, Jan 23-24, 2016.
- Short course on **Exploring social transformation through music** by **Dr Susana Sardo**, University of Aveiro, Jan 27-28, 2016.
- Short course on **Southern circulations: Asia and Africa in historical perspective** by **Caio Simões de Araújo**, Graduate Institute of International and Development Studies, Geneva, Jan 30-31, 2016.
- Short course on **Issues in Social Cognition** by **Prof Lilavati Krishnan**, IIT Kanpur, Mar 8-15, 2016.
- Short course on **Economics of Innovation and Entrepreneurial Finance** by **Dr Harry Yuklea**, Management Consultant, Mar 21-28, 2016.

GIAN COURSE ON TUNABLE DIODE LASER SPECTROSCOPY FOR SENSING

A course on **Tunable Diode Laser Spectroscopy for Sensing - Principles and Applications** was organized at IITGN during Feb 1-5, 2016. The lectures were delivered by **Prof Walter Johnstone**, University of Strathclyde, Glasgow, UK, and by **Prof Arup Lal Chakraborty**, IITGN. A total of 21 participants attended from a pool of professionals, research scientists from government labs, academicians and students from local and national educational institutions. The participants were affiliated to institutions such as the DEBEL-DRDO Bangalore, IIT Madras, MS University, Baroda, SRM University, Chennai, Government Engineering College, Gandhinagar, University of Engineering & Management, Kolkata, College of Engineering Guindy-Anna University, Chennai, University of Engineering & Management, Jaipur. The highlight of the course was the laboratory sessions that were conducted in the Photonic Sensors Lab, that complemented the theoretical aspect of the course.

INVITED LECTURES

The following invited lectures were delivered by experts who were invited to the Institute to share their insights in their fields to kindle scholarly interest in the students in a diverse range of topics.

- **Architecture, process, and materials for efficient inorganic-organic hybrid solar cells** by **Prof Sang IL Seok**, Korea Research Institute of Chemical Technology, Republic of Korea; under the **Roddam Narasimha Lecture Series** on April 13, 2015. The Roddam Narasimha Distinguished Lecture Series, which was set up in 2012, aims to bring distinguished professionals to the institute to present their work in areas of national importance. The lecture series was instituted with the support from **Prof Amrutur Anilkumar**, Vanderbilt University.
- **Towards a science of security games: Key algorithmic principles, deployed applications and research challenges** by **Prof Milind Tambe**, Helen N and Emmett H Jones Professor in Engineering at University of Southern California; under the **Roddam Narasimha Lecture Series** on Aug 10, 2015.
- **Challenges in high-performance computing** by **Dr Sunil Sherlekar**, Intel Labs, Bangalore, April 2, 2015.
- **Using Science to fight poverty** by **Mr Gautam Patel**, Abdul Latif Jameel Poverty Action Lab (J-PAL), MIT, USA, April 6, 2015.
- **Morphological analysis to understand energy landscape and Collaborative strategic planning at panchayat level is essential to get to a developed India** by **Dr Som Karmachetty**, formerly with US Army Research Laboratory, Adelphi, Maryland, April 9-10, 2015.
- **On locally Lipschitz functions** and **Uniform continuity of the product of real functions** by **Dr Gerald Beer**, Emeritus Professor, California State University, April 9-10, 2015.
- **Food security and fertilizer use in Asia: policies, markets, and farm-level outcomes** by **Dr Balu Bumb**, BLB Associates, Florence, Alabama, USA, April 13, 2015.
- **Scientific techniques used in archaeological investigations and Some case studies on scientific applications in archaeology** by **Dr Randall Law**, University of Wisconsin-Madison, USA, April 17 & April 21, 2015, respectively.
- **Online media and marketing (with a focus on e-commerce)** by **Mr Manu Midha**, Infibeam, Ahmedabad, April 20, 2015.
- **Fusion energy research in India** by **Prof Predhiman Krishan Kaw**, Institute of Plasma Research, Ahmedabad, April 27, 2015.
- **Passive two-phase heat transfer technology** by **Prof Sameer Khandekar**, IIT Kanpur, May 12, 2015.
- **Generation and application of high brightness sub-micron soft and hard x-ray beams** by **Dr Gyanendra Lodha**, Raja Ramanna Centre for Advanced Technology, July 10, 2015.
- **Lothal and the Sindhu-Saraswati civilization** by **Prof Nalini Rao**, Soka University of America, July 13, 2015.
- **Quantum information processing in many-body systems** by **Dr Debraj Rakshit**, Harish-Chandra Research Institute, Allahabad, July 14, 2015.
- **Role for coronin 1- mediated signalling in naive T cell immune responses** by **Dr Rajesh Jayachandran**, University of Basel, July 30, 2015.

FIRST INDIRA FOUNDATION DISTINGUISHED LECTURE

Scientific and technological contributions of the Indus civilization: their relevance for the present by **Prof Jonathan Mark Kenoyer**, University of Wisconsin-Madison; under the **Indira Foundation Distinguished Lecture Series** on Jan 12, 2016. The series is instituted by **Mr Avinash Manudhane**, a well-wisher of the Institute, in memory of his mother. The lecture is to be held annually in the area of interest addressing wider audience on topics transcending several disciplines and latest researches. Mr Avinash did his B Tech from IIT Bombay, MS from Syracuse University, New York; and MBA from Northwestern University, Chicago. He joined Goldman Sachs in 1987, reaching to the position of Vice President in 1989 and Managing Director in 1996. He was elected as a Partner of the firm in 1998.

- **What and why of Research; Why and how to publish**; and **The supervisor and the supervised** by **Dr Dinesh Kant Kumar**, Royal Melbourne Institute of Technology, Australia, Aug 17-18, 2015.
- **The Commonwealth in India** by **Mr Taylor Rochill**, University of Washington at Seattle, Aug 18, 2015.
- **The making of classics: Mughal-e-Azam and Sholay** by **Prof Umesh Garg**, visiting IITGN as a Nehru-Fulbright specialist from University of Notre Dame, Aug 19, 2015.
- **Space-time as a thermodynamic system** by **Mr Sumanta Chakraborty**, IUCAA, Pune, Sep 2, 2015.
- **Social entrepreneurship** by **Mr Ullas Marar**, Villgro foundation, Chennai, Sep 7, 2015.
- **Light field imaging and display - a system perspective** by **Dr Nikhil Balram**, president and CEO, Ricoh Innovations Corporation, Sep 10, 2015.
- **Renormalization group approach to quantum gravity** by **Dr Gaurav Narain**, KITPC, Beijing, Sep 16, 2015.
- **Session on Personal competency development programme for incubatees and start-ups** by **Dr Meenakshi Kirtane**, founder member of Maanas and psychotherapist, Sep 30, 2015.
- **Silicon nanodevices - some of the research trends and challenges** by **Dr M K Radhakrishnan**, founder Director, NanoRel Technical Consultants, Singapore, Oct 5, 2015.
- **On characterizing river networks from graph theoretic perspective** by **Prof R N Singh**, former director, CSIR-National Environmental Engineering Research Institute, Oct 16, 2015.
- **Structural practices in building construction** by **Ms Sangeeta Wij**, Technical Director (Structures), Building Engineering-India, AECOM, Oct 16, 2015.
- **Challenges and opportunities for Indian engineers** by **Prof V S Raju**, former director, IIT Delhi, Oct 26, 2015.
- **Symmetry in gravity** by **Prof Alok Laddha**, Chennai Mathematical Institute, Oct 27, 2015.
- **SciFinder database- an essential tool for your research** by **Mr Prathamesh Kulkarni**, Sci-Edge Information, USA, Oct 29, 2015.
- **Power distribution in India: Issues** by **Mr Murli Ranganathan**, ex-director, Torrent Power Ltd, Oct 30, 2015.
- **Black holes in string theory** by **Prof Amitabh Virmani**, Institute of Physics, Bhubaneshwar, Nov 4, 2015.
- **Mining interesting trivia for entities from Wikipedia** by **Dr Dhaval Patel**, IIT Roorkee, Nov 13, 2015.
- **Computational and optimization methods: Linking Mathematics to Industry and Singular value decomposition and its applications** by **Prof Biswa Nath Datta**, Northern Illinois University, Nov 17-18, 2015.
- **Innovation, invention & entrepreneurial thinking** by **Prof Mir Imran**, chairman, InCube Labs, Nov 30, 2015.
- **Accenture operations innovation network and research programme** by **Mr Kaushal Mody**, Accenture, Dec 11, 2015.
- **Using combinational treatment bioengineering strategies to treat spinal cord injury** by **Prof Anita Singh**, Widener University, USA, Dec 16, 2015.
- **Careers begin during college** by **Mr Sarthak Jain**, co-founder & CEO, Cubeit, and IITGN alumnus, Dec 30, 2015.
- **Assistive and rehabilitation robotics** by **Prof Prashant Jamwal**, Nazarbayev University, Astana, Dec 30, 2015.
- **Journey in building a successful business and brand** by **Mr Rahul Gautam**, Managing Director, Sheela Foam Pvt Ltd, Ghaziabad, Dec 30, 2015. Mr Gautam also interacted with start-ups, students interested in pursuing entrepreneurship and members of Nyasa where he gave valuable suggestions to the participants.
- **On-Chip ESD devices and circuits: Essentials and research opportunities** by **Prof Mayank Shrivastava**, IISc Bangalore, Dec 31, 2015.
- **Ramanujan expansions and twin primes** by **Prof Ram Murty**, Queen's University, Kingston, Canada, Jan 1, 2016.
- **What is Physical Mathematics? and Einstein's GRT at 100** by **Prof Kishore Marathe**, Brooklyn College and City University of New York, Jan 4-5, 2016.
- **Superconducting junctions as detectors of dirac fermions and majorana modes** by **Dr Moitri Maiti**, Bogoliubov Institute of Theoretical Physics, JINR, Brazil, Jan 5, 2016.
- **Network algorithms in the internet era** by **Prof Debmalya Panigrahy**, Duke University, Jan 6, 2016.
- **How black holes teach us about the quantum nature of space-time** by **Prof Sameer Murthy**, King's College London, Jan 6, 2016.
- **Modeling community (seismic) resilience** by **Prof Bozidar Stojadinovic**, Swiss Federal Institute of Technology (ETH) Zurich, Switzerland, Jan 7, 2016.

- **Analysis and simulation guided processing of hierarchical porous and multi-layered ceramics for energy applications** by **Prof Rajendra Bordia**, Clemson University, Jan 7, 2016.
- **Taming the big data elephant with query explanations** by **Prof Sudeepa Roy**, Duke University, Jan 7, 2016.
- **Change management by leveraging technology in public service delivery** by **Shri Zaigham Ali Khan**, Regional Passport Officer, Ahmedabad, Jan 9, 2016.
- **Air pollution control technology** by **Mr Minesh Kinkhabwala**, leading expert on the design and construction of latest air pollution control technology systems for coal fired power plants in the US, Jan 12, 2016.
- **Probing atomic vibrations using inelastic neutron and x-ray scattering** by **Dr Dipanshu Bansal**, Oak Ridge National Laboratory, Jan 13, 2016.
- **Science and reason in this age of unreason**, and **Neutrinos: mysterious messengers from outer space** by **Prof Pervez Hoodbhoy**, FC College, Lahore, Jan 13-14, 2016.
- **Technology entrepreneurship** by **Ms Elena Donets**, StarTau, Tel-Aviv University's innovation and entrepreneurship incubator; and **Mr Danny Hadar**, VC Peregrine, Feb 1, 2016.
- **Should design flood estimation guidelines be changed to account for global warming?** by **Prof Ashish Sharma**, University of New South Wales, Australia, Feb 3, 2016.
- **Vision realistic rendering** by **Prof Brian Barsky**, UC Berkeley, Feb 3, 2016.
- **Towards data driven solutions for sustainable natural and built environments** by **Dr Santonu Goswami**, New York University, Feb 3, 2016.
- **Managing seva in times of great change: A personal journey** by **Dr Rahul Jindal**, a Fulbright-Nehru Distinguished Chair at the kidney institute, Ahmedabad Civil Hospital, Feb 4, 2016.
- **Internationalizing Indian higher education: challenges and opportunities** by **Prof Sachidananda Mohanty**, Central University of Orissa, Koraput, Feb 5, 2016.
- **The development usage and experience of geosynthetic products for river and coastal applications in India** by **Mr M Venkataraman**, Garware-Wall Ropes Ltd (Retired), Feb 6, 2016.
- **Rivers and river structures**; and **Baglihar dam and the Indus waters treaty** by **Prof K G Rangaraju**, formerly at IIT Roorkee, Feb 10-11, 2016.
- **Recent advances in the use of chiral N-sulfinyl imines in asymmetric synthesis** by **Prof Miguel Yus**, University of Alicante, Feb 11, 2016.
- **Bifunctional chiral organocatalysts derived from trans-cyclohexane-1,2-diamines** by **Prof Carmen Nájera**, University of Alicante, Feb 12, 2016.
- **Device modeling - the art of making approximations** by **Prof S Karmalkar**, IIT Madras, Feb 12, 2016.
- **Solid fuel thermochemical conversion processes for low emission power generation** by **Dr Kalpit Shah**, University of Newcastle, Feb 16, 2016.
- **Neurobiology of aesthetic experiences** by **Prof Semir Zeki**, University College London, UK, Feb 18, 2016.
- **The Boeing Dreamliner 787 and the Lithium ion battery incident-a Case study** by **Dr J Thomas Chapin**, Underwriters' Laboratories, Feb 26, 2016.
- **Quantum mechanics by path integral** by **Prof Soumitra Sengupta**, Indian Association for the Cultivation of Science, Kolkata, March 2-5, 2016.
- The 1st Dr A N Khosla Lecture titled **Unique Engineering Features of Delhi Metro** by **Shri Mangu Singh**, managing Director, DMRC, March 5, 2016.
- **Masonry in the Indian context**; and **Earthquake-resistant masonry** by **Prof K S Jagadish**, Indian Institute of Science Bangalore (retired), March 10, 2016.
- **Smart distribution grid-a cyber physical systems perspective** by **Prof Bala Natarajan**, Kansas State University, March 14, 2016.
- **Resolving atoms in our backyards** by **Prof Deshdeep Sahdev**, Quazar Technologies, March 15, 2016.
- **Black holes and gravitational waves** by **Prof C V Vishveshwara**, formerly with Indian Institute of Astrophysics, Bangalore, March 17, 2016.
- **Building a Golden India** by **Shri Shail Kumar**, co-founder Pan IIT alumni movement, March 19, 2016.
- **Finance and Investment Banking** by **Mr Sam Tully**, Credit Suisse Group, March 25, 2016.
- **The unforgettable saga of GTS (The Great Trigonometrical Survey of India)** by **Mr G C Tallur**, former Secretary of PWD, Government of Karnataka, March 26, 2016.
- **Indo-Portuguese art: the concept, art objects and current conservation issues** by **Dr Monica Esteves Reis**, University of São Paulo, March 31, 2016.

TEQIP

Teaching the foundation courses in the first two years of any engineering curriculum is a great challenge. It needs to be done effectively as that will motivate students for a successful professional life in terms of academics and practice. Keeping this as the objective, IIT Gandhinagar took a major initiative and conducted a summer school. The 4-week summer school programme covered ten basic engineering courses including electrical machines and power electronics, engineering mathematics, fluid mechanics, experimental fluid mechanics, geotechnical engineering laboratory, thermodynamics etc and was specially designed to improve teaching methods and provide effective teaching. This has been one of greatest successes of TEQIP -II at IIT Gandhinagar with more than 200 participants (faculties & students) from TEQIP colleges across India. Apart from this summer school, a number of activities have been conducted throughout the year aimed at improving the quality at various levels in the participating colleges under TEQIP.

These activities include workshops/short courses in the niche areas to enhance the knowledge of faculty and students on various topics, such as computer integrated manufacturing systems, designing embedded systems, applied digital signal processing, research methodology, geotechnical investigation for structural engineering etc.

One-day workshops were also organized on themes such as academic leadership and best practices exclusively for administrators of the colleges, one day for research and UG teaching only for coordinators, HoD's & senior faculties of the colleges. This was targeted to expose faculties to research programme and inculcate a culture of research at their Institute.

These workshops were very successful in explaining the objectives with more than 50 participants including college principals, HoD's, coordinators & senior faculty members from various Institutes.

IIT Gandhinagar hosted more than 25 activities with more than 500 participants registered throughout the year from various TEQIP colleges of India, with a demand of more of such kind of specialised training programs in future.

VISITORS

- **Dr Albert Schram**, Vice Chancellor along with **Dr S Gopalakrishnan**, PNG University of Technology, New Guinea visited the institute on Dec 17, 2015 for building relationships between the two institutes.
- **Prof Satish Tripathi**, President, SUNY, Buffalo; and **Prof Stephen Dunnett**, Vice-provost, International Education, visited the Institute during Oct 27-28, 2015 and interacted with some of the faculty members and student entrepreneurs.

- Jointly hosted with IIT Roorkee Alumni Association, Ahmedabad chapter, 1st Dr A N Khosla Lecture tilted **Unique Engineering Features of Delhi Metro** was delivered by Shri Mangu Singh, Managing Director, Delhi Metro Rail Corporation Ltd (DMRC) on Mar 5, 2016.

DISTINGUISHED HONORARY PROFESSORS

PROF J B JOSHI

Prof J B Joshi is an eminent professor of chemical engineering and J C Bose National Fellow of the Institute of Chemical Technology (ICT), Mumbai as well as the DAE-Homi Bhabha Distinguished Chair Professor of the Homi Bhabha National Institute (HBNI), Mumbai. He is an active consultant to large sections of the chemical process industry. He has won several national and international awards and honors such as Fellow of Maharashtra Academy of Sciences (1987), Fellow of Indian Academy of Sciences (1991), Shantiswarup Bhatnagar Prize for Engineering Sciences (1991), Fellow of the Indian National Science Academy, New Delhi (1995), Best Teacher Award from the Maharashtra Government for the year 2004. In 2007 the American Chemical Society (ACS) selected him among the top 100 research scientists over a period of 40 years of industrial and engineering chemistry research on the basis of high impact publications.

PROF HARINARAYANA KOTA

Prof Harinarayana Kota graduated from Banaras Hindu University (BHU) in Mechanical Engineering, received his postgraduate degree in aero-engineering at IISc, Bangalore and PhD at IIT Bombay. He is the Fellow of Aeronautical Society of India (former President of the Society), National Academy of Sciences and Indian National Academy of Engineering. He received Distinguished Alumnus Award from Indian Institute of Science and from IIT Bombay. He was awarded National Aeronautics Prize and FIE Foundation Award in 1996. He received SBI-Pragna Puraskar in 2001; the Dr Y Nayudamma Memorial Award 2001; and the DRDO Technology Leadership Award for 2001. He was honoured with the Padma Shri by Government of India in 2002. The Indian National Academy of Engineering conferred upon him, the Lifetime Contribution Award in Engineering, 2006. He was awarded Shri Om Prakash Bhasin award for Science & Technology for the year, 2007 in the field of engineering including Energy & Aerospace. He received DRDO lifetime achievement award in 2008. He is the chairman, research council, Centre for Wind Energy Technology, Chennai; Distinguished Guest Professor, Department of Aerospace Engineering, IIT Bombay; Indian technical coordinator for India-Trento/Italy S&T programme, Pratt & Whitney chair professor at University of Hyderabad; Dr D S Kothari, DRDO Chair at ADA, Bangalore.

PROF SURENDRA PRASAD

Prof Surendra Prasad received his education at IIT Kharagpur and IIT Delhi. He has served IIT Delhi for more than four decades, having held a number

of academic and administrative positions including the post of the director. He has received numerous honours for teaching and research including the Vikram Sarabhai Research Award in Electronics and Telecommunications (1987), the Shanti Swarup Bhatnagar Prize for Engineering Sciences (1988), the Om Prakash Bhasin Prize for research in electronics and communications (1994), the VASVIK Award for Information Technology (2006), the Lifetime Achievement Award of the Systems Society of India (2011), the distinguished alumnus award of IIT Kharagpur. He was also honored with an honorary doctorate by the Loughborough University, UK in 2007. He is a Fellow of the Indian National Academy of Engineering, the Indian National Science Academy, the Indian Academy of Sciences and the National Academy of Science and has been a member of the governing body of CSIR and CSIR Society, Government of India and boards of many IITs, NITs and other engineering Institutes.

PROF V RAJARAMAN

Prof V Rajaraman obtained a BSc (Honors) in physics from Delhi University, completed SM in electrical engineering, Massachusetts Institute of Technology, USA, and PhD from University of Wisconsin, USA. He has held several important positions including IBM Research Professor of Information Technology, Jawaharlal Nehru Centre for Advanced Scientific

Research, Bangalore; professor and chairman, Supercomputer Education and Research Centre, Indian Institute of Science, Bangalore; and senior professor and head of Computer Centre, IIT Kanpur. He has been director of several companies including CMC Ltd, New Delhi; Canbank Computer Services Ltd, Bangalore; and Encore Software Ltd, Bangalore. He was awarded the Padma Bhushan by the President of India in 1998. He is also the recipient of the Zaheer Medal for Research in Engineering, Indian National Science Academy; Shanti Swarup Bhatnagar Prize (CSIR); Homi Bhabha award of UGC, and Lifetime Achievement award from Dataquest; the Indian National Academy of Engineering; the Computer Society of India; and Systems Society of India.

PROF V S RAJU

Prof V S Raju, former director of IIT Delhi (1995-2000) obtained a bachelor's degree in engineering from Andhra University, a master's degree from IISc Bangalore and a doctorate from the Karlsruhe University of Technology, Germany. During his academic career of 42 years he was also a part-time member at the Telecom Regulatory Authority of India (TRAI) and worked in various capacities at IIT Madras. He was also the chairman of the Naval Research Board, DRDO and member of several boards and committees dealing with technical education and research in the country. He is a Fellow of the Indian National Academy of Engineering and was its honorary secretary. The Federal Republic of Germany honored him with the Commander's Cross, the highest award given to a foreigner.

PROF S P SUKHATME

Prof Suhas P Sukhatme professor emeritus, IIT Bombay, received his ScD (Doctor of Science) from Massachusetts Institute of Technology in 1964 and is widely known for his outstanding contributions to teaching and research. He is the author of two widely known text books on heat transfer and solar energy. He is the recipient of many honours and awards including the Prince of Wales Gold Medal from BHU in 1958, the Shanti Swarup Bhatnagar Prize in 1983 and the Om Prakash Bhasin Foundation Award for Engineering in 2001. He was the first recipient of the Lifetime Achievement Award of IIT Bombay in 2001. He was conferred an honorary doctor of science degree by the Banaras Hindu University in 2001. He was awarded the Padma Shri by the Government of India in 2001.

PROF NITISH THAKOR

Prof Nitish Thakor is a professor of biomedical engineering, electrical and computer engineering, and neurology at the Johns Hopkins University, and leads the Laboratory for Neuroengineering. He is also the director of the Singapore Institute for Neurotechnology at the National University of Singapore. He earned his undergraduate degree from IIT Bombay in 1974 and PhD from the University of Wisconsin, Madison in 1981. Prof Thakor is the recipient of the Research Career Development Award from the National Institutes of Health and the Presidential Young Investigator Award from the National Science Foundation. He is a Fellow of the American Institute of Medical and Biological Engineering, IEEE, the Founding Fellow of the Biomedical Engineering Society, and Fellow of International Federation of Medical and Biological Engineering. He is also a recipient of the Centennial Medal from the School of Engineering, University of Wisconsin (2008), Honorary Membership from Alpha Eta Mu Beta Biomedical Engineering student Honor Society. He received the award of Technical Excellence in Neuroengineering from IEEE Engineering in Medicine and Biology Society and the Distinguished Alumnus Award in 2012 from IIT Bombay and the Centennial Medal from the University of Wisconsin, Madison School of Engineering in 2012.

GUEST PROFESSORS

PROF ANILKUMAR AMURTUR

Prof Anilkumar Amurtur is an aerospace engineer on the faculty at Vanderbilt University. He has been a NASA investigator of microgravity fluid flow phenomena on Space Shuttle flights and on the International Space Station. His research focus includes experimental fluid dynamics, rocket propulsion, drop and bubble dynamics,

bio-encapsulation; energy conversion, wind, thermoelectrics, biodiesel; materials processing: float-zones, directional solidification.

DR NIKHIL BALRAM

Dr Nikhil Balram is President and CEO of Ricoh Innovations Corporation, a Silicon Valley company that develops innovative technologies and creates new businesses for Ricoh Company Ltd. He has won numerous awards including a 2012 Gold Stevie Award for Executive of the Year in the Electronics category in the 9th Annual International Business Awards, a 2012 Fellow Award by the Society for Information Display (SID) and the 2011 Alumni Achievement Award by Carnegie Mellon University. Dr Balram is an adjunct professor of electrical engineering at Carnegie Mellon University, visiting professor of vision science at the University of California, Berkeley, a guest professor of design and innovation at the Indian Institute of Technology Gandhinagar, and serves on the Industry Advisory Board (IAB) at the School of Engineering at Santa Clara University.

DR ACHINTYA K BHOWMIK

Dr Achintya K Bhowmik is the founding general manager and chief technology officer of the perceptual computing group at Intel Corporation, where he leads the research & development, engineering, and marketing of advanced computing products and solutions based on natural sensing and interaction technologies, intuitive interfaces, immersive applications and user experiences, branded as "Intel®RealSense Technology". As an adjunct and guest professor, he has advised graduate dissertation research and taught graduate-level courses on advanced sensing and human-computer interactions, computer vision, digital image processing, display technologies and electro-optics at the University of California, Berkeley; Kyung Hee University in Seoul, Korea; University of California, Santa Cruz Extension; and the Liquid Crystal Institute of the Kent State University.

DR R S BISHT

Dr R S Bisht, joint director general (retd), Archaeological Survey of India; has more than 35 years of experience in archaeological research, conservation and environmental development

of national monuments and administration. He pursued his MA in Ancient Indian History and Culture, Lucknow University; PGDA from School of Archaeology; and PhD from Kumaun University. He has also been associated with Department of Archaeology and Museum Haryana; and Department of Archaeology & Museum Punjab. Presently, Dr Bisht is the President of the Society for Marine Archaeology; and Chairman of the National Screening and Evolution Committee, nominated by Government of India in the Ministry of Culture. He is the recipient of the Padma Shri and Acharya Narendra Dev Alankar in 2013.

PROF RAJENDRA BORDIA

Prof Rajendra Bordia is currently professor and chair of the Department of Materials Science and Engineering at Clemson University. He has received prestigious awards including Humboldt Senior Scientist Research Award from the Alexander von Humboldt Foundation, Germany (2007); National Young Investigator Award (NSF) (1992-1997); DuPont Young Professor Award (E I duPont Co) (1993-1996); International Expert Award from Technical University Hamburg, Harburg, Germany (1996, 2001 and 2002). He was the sole recipient of the Marsha Landolt Distinguished Graduate Mentor Award from the University of Washington (2007) and was the sole recipient of the Outstanding Educator of the Year by the Ceramic Education Council of the American Ceramic Society (2012).

PROF BIJOY H BORUAH

Prof Bijoy H Boruah, currently associated with Indian Institute of Technology, Delhi completed his BA (Honours) in Philosophy, Dibrugarh University, India; MA, Banaras Hindu University; MLitt, University of Oxford, UK; and PhD from University of Guelph, Canada. He has been a member of Indian Council of Philosophical Research (ICPR); Research and Publication Committee, ICPR; Advisory Committee, Centre for Philosophy, School of Social Sciences, Jawaharlal Nehru University; External Advisory Committee for Humanities and Social Sciences, Birla Institute of Technology and Science, Pilani; Institute Ethics Committee, Fortis Memorial

Research Institute, Gurgaon. He is also a visitor's nominee, Faculty of Humanities and Social Sciences, North Eastern Hill University.

PROF SVETLANA BRZEV

Prof Svetlana Brzev is Professor at British Columbia Institute of Technology, Vancouver, Canada. She completed her PhD in Earthquake Engineering from IIT Roorkee. Prof Brzev also served as director and vice president of Earthquake Engineering Research Institute, Oakland, California, USA from 2001-2003. She was the member of various research projects and programmes which include review panel of National Science Foundation (NSF), NEES programme; reviewer of NSF Partnerships for International Research and Education and reviewer of NSERC research proposals. She is the founding editor-in-chief for a major international project World Housing Encyclopedia. As a seismic engineering consultant to the World Bank and to the Government of Maharashtra, India, she prepared a management strategy and technical guidelines for repair and retrofitting/reconstruction of over 200,000 masonry residences damaged in the Sep 30, 1993 Latur earthquake in India.

PROF R P CHHABRA

Prof R P Chhabra completed his BE in Chemical Engineering from University of Roorkee, ME from IISc Bangalore and PhD from Monash University, Australia. He has been associated with Indian Institute of Technology, Kanpur; University of New South Wales, Sydney; University College of Swansea; Monash University, Clayton; and University of Sydney. He is a Fellow of the Indian National Science Academy, the Indian Academy of Sciences, Bangalore, the National Academy of Sciences, India and the Indian National Academy of Engineering. Prof Chhabra was the recipient of Herdillia Award of the Indian Institute of Chemical Engineers for Excellence in Basic Research in Chemical Engineering and the Amar Dye-Chem Award of the Indian Institute of Chemical Engineers for Excellence in Research and Development for a Chemical Engineer below the age of 35 years.

MR MICHEL DANINO

Mr Michel Danino has been an independent student of the Indian civilization since he came to India in 1977.

He has authored papers and books in French and English. His recent titles include The Lost River: On the Trail of the Sarasvati (Penguin India, 2010) and Indian Culture and India's Future (DK Printworld, 2011). He was a visiting faculty at IIT Kanpur in 2011 and is currently a visiting faculty at IIM Ranchi.

DR PRAVINRAY D GANDHI

Dr Pravinray D Gandhi is currently Director of corporate research at UL. He received his BTech from IIT Delhi and PhD from the University of Notre Dame. His focus is on quantifying fire risks and hazards and has been involved in developing new test methods and standards. He is currently working with the fire safety community and universities to improve fire science education.

PROF DIPAN K GHOSH

Prof Dipan K Ghosh is currently professor of physics at IIT Bombay. He has authored a textbook on mechanics and thermodynamics and several web books. Prof Ghosh has served IIT Bombay as dean and deputy director. He was awarded IITB's Best Teacher award in 2000. In 2011 he was awarded the Lifetime Achievement Award of IITB for his contributions to institution building. He has been the president of the Indian Physics Association (2005-07) and is currently the chief editor of Physics News. He is a member of the Academic Council of Homi Bhabha National Institute (DAE), Centre for Basic Sciences of DAE at the University of Mumbai and IIS University, Jaipur. Prof Ghosh was the provost (vice-chancellor) of Navrachana University at Vadodara in 2012 and established the engineering programme there.

DR BIPIN INDURKHYA

Dr Bipin Indurkhya is professor of computer science and the head of the Cognitive Science Lab, IIIT Hyderabad. He received his PhD from University of Massachusetts, Amherst and Master's degree from Philips International Institute of Technological Studies, Eindhoven, The Netherlands. His multidimensional research activities have been funded from different international and national funding organizations like

National Science Foundation (NSF), the Netherlands Organization for Scientific Research (NWO), Japan Society for the Promotion of Science (JSPS), Ministry of Communication and Information Technology (MCIT), India, Department of Science and Technology (DST), Intel Corporation, Rediff.com, Samsung Global Research Outreach Programme and Xerox Open Innovation Project. He has also initiated new activities in the field of remote sensing applications in archaeology and has received many grants.

MR SUBODH KUMAR JAIN

Mr Subodh Kumar Jain completed his BE degree in civil engineering from University of Roorkee (now IIT Roorkee) in 1974. He served in the Ministry of Railways and superannuated from the position of Member Engineering, Railway Board, Ministry of Railways, ex-officio secretary to the Government of India. He is currently working as honorary expert in civil engineering of the Hyderabad Metro Rail. His immense contribution in the Indian railways has been acknowledged by a number of awards. He was awarded the Best Innovation of the Year Award 2006-2007 by the Railway Board for the special high-speed Diamond Xing and has been felicitated by the Speaker of the Legislative Assembly of Madhya Pradesh and was presented with a silver plaque for bringing about significant improvement of the state's railway services. He received the Lifetime Achievement Award of the Electron Microscope Society of India in July 2012, the Nalco Gold Medal of the Indian Institute of Metals in 2006 (the year of inception) for outstanding contributions to the aluminium industry, the Hindustan Zinc Gold Medal of the Indian Institute of Metals in 1994 for significant contributions to nonferrous metallurgical industry, the Certificate of Appreciation from AIME in 1987. He also won an award in the metallographic contest organized by the American Society of Metals in 1965.

DR RAJEN JASWA

Dr Rajen Jaswa is an accomplished serial technology entrepreneur. His most recent role was that of CEO and chairman of Dyyno from 2009-2012. From 2003-2008, he volunteered full-time for TiE Silicon Valley, serving as president from 2005-2008 and as a director from 2003-2004. Dr Jaswa was the co-founder, chairman and CEO of Selectica from 1996-2002. During his tenure, Selectica became the leading configuration software vendor with customers like General Electric, BMW, Cisco, Samsung, and Dell. Selectica went public in 2000 with a peak market value of $5 billion, and was named in the Forbes 500, Deloitte & Touche Technology Fast 500, Software 500, Inc 500, and Interactive Week 500. He received a bachelor's degree in electrical engineering from the Indian Institute of Technology Bombay, a Master's degree in electrical engineering from the University of Toronto and an MBA from Stetson University.

DR KUMAR NEERAJ JHA

Dr Kumar Neeraj Jha is associated with the Department of Civil Engineering, Indian Institute of Technology Delhi. He started his career with Larsen and Toubro Ltd and was instrumental in successful completion of a number of construction projects of national importance. His book on Construction Project Management published by Pearson Education and Formwork for Concrete Structures published by Tata McGraw Hill is widely accepted as a text book in different universities. He teaches various courses in construction technology and management.

PROF LILAVATI KRISHNAN

Prof Lilavati Krishnan retired from IIT Kanpur in 2014 from the department of Humanities & Social Sciences. She has 45 years of work experience in various capacities. Prof Krishnan completed her PhD in June 1978 from McMaster University, Hamilton, Ontario, Canada. Her area of specialization includes Psychology (Social Psychology, Personality; Cross-cultural Psychology). She received the Distinguished Teacher Award, IIT Kanpur on Sep 5, 2003. She was the President, National Academy of Psychology (1998-99).

PROF DINESH KANT KUMAR

Prof Dinesh Kant Kumar is a professor in RMIT University, Melbourne, Australia and the programme director for Biomedical Engineering. He earned his PhD in Bioelectronics from IIT Delhi and BE in electrical engineering from IIT Madras. Prof Kant has received many awards including the European Union's Erasmus Mundus teaching award (2009-2010), Capes (Brazil) senior Professorial Fellowship award (2012- 2013) and senior Professorial

Fellowship Award of the Australian Academy of Science (Australia-India Research partnership). Prof Kant is the associate editor of the IEEE Transactions of Neural Systems and Rehabilitation Engineering (TNSRE). He is the editor of the Journal of Medical and Biological Engineering (JMBE), and also the founder of the international conference IEEE Biosignals and Biorobotics for the past 5 years.

DR K CHELVA KUMAR

Dr K Chelva Kumar completed his BS degree in mechanical engineering from Peradeniya University, Sri Lanka, and an MS and PhD from California Institute of Technology and MBA from University of California, Irvine. He is the president of EPIR Technologies, Inc, Bolingbrook, IL. Dr Chelvakumar has also served on various senior administrative positions in various organizations that include Saint Louise Regional Hospital, Gilroy, CA, Caritas Business Services, Redwood City, CA, St Francis Medical Centre, Lynwood, CA, ReproNet, Los Angeles, CA. Before that, he was the faculty in California State University, Los Angeles and Fullerton campuses, CA, Carnegie Mellon University and Peradeniya University, Sri Lanka. He was also the national weightlifting champion in 1979 and 1980.

PROF SUCHITRA MATHUR

Prof Suchitra Mathur, associate professor of English at IIT Kanpur, is a teacher and scholar in the fields of Indian English literature, feminist and postcolonial theory, and popular culture studies. In addition to publishing in various national and international journals in these areas, she has also been active in organizing workshops related to these fields as well as communication skills at various institutes across the country. Her recent work has focused on science studies as an interdisciplinary field that puts her interests in gender and communication in meaningful conversation with the S&T focus of her institutional location. In 2011, she was awarded the Gopal Das Bhandari Excellence in teaching award by IIT Kanpur.

PROF ACHAL MEHRA

Prof Achal Mehra holds a Doctor of Philosophy in Journalism, Southern Illinois University, Carbondale (1985). He completed his Bachelor of Technology in Mechanical Engineering, Indian Institute Of

Technology, Kanpur (1980). He is the Editor and publisher of Little India Magazine, the largest circulated Asian title in the United States, as well as the largest overseas Indian publication in the world. In the past three years, the magazine has won 20 Ippie awards from the Independent Press Association, six New American Media Awards and nominations for the Utne-IPA Award and the GLAAD Media Awards. Prof Mehra has also developed the web platform for the magazine biggerindia.com. He is a Fellow of the Royal Society for the Arts, UK.

PROF ASHOK MITTAL

Prof Ashok Mittal received his BTech (Honors) and MTech from IIT Kharagpur, MS and PhD from Case Western Reserve University. He has been associated with IIT Kanpur and the Kellogg School of Management, Northwestern University, USA. Prof Mittal is the Fellow of the Institution of Engineers, India, member of Operations Research Society of USA, president of Operational Research Society of India and Life member ISTE.

PROF S L NARAYANAMURTHY

Prof S L Narayanamurthy obtained his PhD degree in chemical engineering from the University of Bradford in 1971 as a Commonwealth Scholar. He served IIT Bombay for nearly four decades as a faculty member, head of department and dean. Prof Narayanamurthy received the Lifetime Achievement Award of IIT Bombay in 2004 in recognition of his diverse and seminal institution building contributions as a teacher, a team builder, and facilitator of R&D, resource mobilization and alumni networking. He has also received awards for excellence in process/technology development jointly with his colleagues. His current professional interests are in the areas of engineering education, food process engineering and mentoring.

DR SANDEEP PANDEY

Dr Sandeep Pandey earned his PhD degree in mechanical engineering from University of California, Berkeley in 1992 and is currently a social activist based in Lucknow. He is deeply committed to his work that includes the right to education, work, food, information, human rights, empowerment

of marginalized communities, grassroots democracy, anti-corruption movements, land reforms, communal harmony, nuclear disarmament and peace, peace and friendship between India and Pakistan, corporate accountability and people's politics. His organization helps people access benefits through various governmental social welfare schemes by fighting corruption. He is deeply involved in building a genuine grassroots political alternative to the mainstream politics dominated by corruption.

PROF DURGESH C RAI

Prof Durgesh C Rai is a professor in the Department of Civil Engineering at the Indian Institute of Technology Kanpur. Prior to joining IIT Kanpur, he was a research fellow at the University of Michigan (1996-1997) and on the faculty of the Department of Earthquake Engineering at IIT Roorkee (1997-2001). He received the 2000 Shah Family Innovation Prize from the Earthquake Engineering Research Institute (USA) and the Young Engineer Award from the Indian National Academy of Engineering (1999). He was elected as Fellow of Indian National Academy of Engineering in 2010. He is coordinator of National Information Centre of Earthquake Engineering (NICEE) at IIT Kanpur and serves on the Board of World Seismic Safety Initiative (WSSI) of International Association of Earthquake Engineering (IAEE).

PROF M B RAJANI

Prof M B Rajani did her doctoral research in the field of space-based archaeological investigations at the National Institute of Advanced Studies (NIAS), Bangalore and was awarded a PhD by the University of Mysore in 2011. She received the Rachapudi Kamakshi Memorial Young Geospatial Scientist Award for this work. She conducted post-doctoral research for a year at NIAS, and subsequetly held the position of assistant professor in the MTech GIS programme at NIIT University (NU), Neemrana from 2011-2013. Her recent work includes a study of the archaeological remains in the environs of Nalanda as a Fellow of Nalanda University (2013-2014). She is the recipient of the Homi Bhabha Fellowship for writing a manual on remote sensing and GIS applications to archaeology.

PROF T R RAMACHANDRAN

Prof T R Ramachandran received his BE in metallurgy from the Indian Institute of Science Bangalore in 1960, an MSc degree from the McMaster University Canada in 1965 and a PhD from the University of Wales UK in 1969. He had been on the faculty of the Indian Institute of Technology Kanpur for two decades, 1969-89. He was the founder director of the Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC) Nagpur during the period 1989-99. He was also the National Project Director of the UNDP project on the establishment of the Jawaharlal Nehru Aluminium Research Development and Design Centre (1989-96). He was an Emeritus Scientist at the Nonferrous Materials Technology Development Centre Hyderabad. He has been closely associated with the Indian aluminium industry, serving as part-time director of the National Aluminium Company (1991-93), the Bharat Aluminium Company (1994-97), Paradeep Carbons (2002-2006) and presently Alufluoride. For his outstanding contributions in the field of nonferrous metals, he was awarded the Hindustan Zinc Gold Medal in 1994 and the NALCO Gold Medal in 2006, the year of its inception, by the Indian Institute of Metals.

PROF A RAMANATHAN

Prof A Ramanathan holds a PhD degree in economics from Mumbai University. He is a senior professor and a former head of the Department of Humanities and Social Sciences of IIT Bombay. He is a well-known quantitative economist with rich expertise particularly in the teaching of research methods in social sciences. He specializes in managerial economics, applied econometrics and social cost-benefit analysis. Prof Ramanathan has published a number of articles in Indian and international journals.

PROF MYTHILY RAMASWAMY

Prof Mythily Ramaswamy is a professor and currently the dean at the Tata Institute of Fundamental Research Centre for Applicable Mathematics, Bangalore. She is one of the leading figures in the country in the field of partial differential equations and specifically in analysis and applications to control

problems. She received her BSc and MSc degrees from the University of Bombay and PhD from University of Paris 6, France.

DR G VENKATAPA RAO

Dr G V Rao has a distinguished career of over three decades (1975-2007) at the Indian Institute of Technology, Delhi. during which he served as Head, Civil Engineering Department and Dean (Student Affairs). He set up the Geosynthetic Engineering Laboratory for quality testing and standardization, from scratch, the first and only one of its kinds in the country. His invaluable contributions have been recognized with over 25 prestigious awards, including the CBIP Jawaharlal Nehru Birth Centenary Award for outstanding contribution to Water Resources (1994), International Geosynthetic Society-Leadership and Recognition Award (2008) to name a few. He is an Honorary Fellow of the Indian Geotechnical Society, Fellow of the Indian National Academy of Engineering and the Institution Engineers (India). He served as President of the Indian Chapter of International Geosynthetics Society for two terms and was Member of the IGS Council. He also served the Indian Geotechnical Society for over 5 years as its Honorary Secretary and Editor of the India Geotechnical Journal. He also served as Independent Director, Ircon International Ltd, a public sector undertaking of the Ministry of Railways, Government of India during the period 2010-2013.

PROF DHEERAJ SANGHI

Prof Dheeraj Sanghi is currently visiting faculty of Computer Science and Engineering at IIIT Delhi. He holds dual responsibilities of Dean of Academic Affairs and Dean of External Relations at IIIT Delhi. From 2008 – 2010, he served as the Director, LNM Institute of Information Technology (LNMIIT), a public-private partnership University in Jaipur. He was Dean of Academic Affairs at IIT Kanpur from 2011 to 2014. His research interests are in the area of computer networks with special focus on protocols at different layers, IPv6, mobility and security. He is passionate about technical education in India and writes regularly about it in magazines and blogs. He received his BTech from IIT Kanpur, and MS and PhD from the University of Maryland, College Park.

DR SHILADITYA SENGUPTA

Dr Shiladitya Sengupta is currently the Assistant Professor of Medicine and Health Sciences and Technology at Harvard Medical School Brigham & Women's Hospital. He completed his BS and MS from the All India Institute of Medical Sciences (AIIMS) and PhD from University of Cambridge (Trinity College). He is a Member of the American Society for Pharmacology and experimental therapeutics and American Association for Cancer Research. Dr Sengupta is the recipient of DoD Breast Cancer Research Program Collaborative Innovators Award, the Mary Kay Ash Foundation Career Award, the DoD era of Hope scholar Award, the Indus Technovator award and the Coulter Foundation Young Investigator Award in Bioengineering.

PROF KOSHY THARAKAN

Prof Koshy Tharakan is Professor in Department of Philosophy, Goa University. He received his PhD degree from University of Hyderabad in the area of philosophy of social science. His area of interest is philosophy of social sciences and phenomenology, where he has made significant contribution. He has also contributed in the area of environmental ethics and mentored PhD students in this area.

DR HARRY YUKLEA

Dr Harry Yuklea is a Research Professor at Technion Israel; Visiting Professor at ORT University Uruguay and San Andres University Argentina; and an Independent Management Consultant. He did his MS in Electronics Engineering from Technical University "Gh Asachi" of Iasi, Romania and MS in Management from Boston University; and PhD in Business Management (Entrepreneurial Finance) from The Hebrew University - Jerusalem, Israel. He is the Committee Member, Prime Minister of Israel Prize for Entrepreneurship and Innovation (2010-present); and Advisory Board Member, iCreate, India (2012-present). He is the recipient of the Rosenfeld Prize for Research in Innovation and Entrepreneurial International Finance, 2004.

INFRASTRUCTURE AND FACILITIES

PERMANENT CAMPUS DEVELOPMENT

The development of Phase-1A of the permanent campus near village Palaj is nearing completion and nearly 1000 students have moved in to the newly constructed hostels in July 2015. Academic activities started in July 2015 are now being carried out on full-scale. The process of moving into the new campus in less than two years reflects the high level of team work involving multiple agencies. A total of 270 faculty and staff housing units and other academic buildings are also complete and entire operations of the institute have now started from the new campus.

The campus has an ambience that is conducive to academic endeavours and is located in a neighbourhood that is well connected and rapidly developing. The GIFT City near the permanent campus site is ramping up its operations, the road and services network near the campus site have been significantly upgraded, other national institutes are coming up near the campus, and several defense establishments and a large forest reserve area are located in the immediate vicinity of the campus.

Basic sports facilities including a cricket ground, a practice pitch, a football ground, volleyball pitches and a basketball court have been developed. The undeveloped pockets of land (ear-marked for future constructions) are currently used for plantation purpose in the form of a mix of flowering plants, some vegetable shrubs and some utility plants. The planning of a state-of-the-art sports facility in the areas earmarked in the master plan have already started. In parallel, IITGN has also started to develop a few ravines on campus to stabilize them and to promote biodiversity.

The installation of 200 kWp solar PV panels on the roof-tops of the hostels and the academic buildings is now completed with net metering. This will generate around 1000 kWh of electricity per day and will save around Rs 1 lakh per month.

A central biogas plant of 1MT capacity to process organic waste is also completed. The electricity generated out of this will be utilized for campus lighting purposes.

The architectural planning of next phase of the constructions involving hostels for another 1200-1400 students, the guest house, permanent sports facilities and some more housing has begun.

IIT Gandhinagar, Palaj campus is the first campus in the country to be awarded with the “Five Star” GRIHA LD V2 Master plan rating by GRIHA council on Dec 29, 2015. The evaluation committee has awarded a final impact score of 25.9% against the requirement of 35% or lower.











INFORMATION SYSTEM AND TECHNOLOGY FACILITY

The Information Systems & Technology Facility (ISTF) at IITGN has moved to the new campus and has continued to provide user level services to IITGN community since the inception of the institute. ISTF's state-of-the-art networking infrastructure enables provisioning of information systems and computational facilities to all the end users, on and off the IITGN campus. The IITGN community consists of roughly 1200 end users including faculty, students and staff. The following is a summary of the key activities undertaken by the ISTF during the last year.

INFORMATION SYSTEMS

In order to achieve operational efficiency and enable the IITGN fraternity to think beyond the glitches of its mundane operational activities, IITGN has adopted and successfully implemented an office automation system, also known as Institute Management System (IMS) that is geared towards making IITGN a paperless office. The IMS project was kicked off in the first week of June 2014 and it took a record time of 13 months to implement all the modules. IMS constitutes workflows of different processes that interconnect various sections like Academics, General Administration, Material Management, Finance and Accounts, Research and Development, Information Systems and Technology Facility (ISTF), Director's Office etc. Moreover, IMS also allows the institute to centrally manage student lifecycles, materials (from procurement to payment), summer internships, faculty/staff recruitments, admissions, and alumni relations. The successful implementation of IMS has made IITGN the first IIT to adopt a comprehensive office automation system connecting all the processes through a common platform.

COMPUTING AND NETWORK

IITGN's new campus at Palaj is well connected over 10Gbps high speed optical fiber internal network with 1Gbps Internet link from National Knowledge Network (NKN). The academic buildings, residential quarters and student hostel areas are LAN and WiFi enabled. ISTF is also on the verge of getting a new firewall device that would cater the need of multiple logins using Single Sign On (SSO). All the critical services will function in High-Availability (HA) mode. CCTV cameras are installed in multiple locations of the campus to enable the security personnel to manage and monitor from a centralized location. All the server rooms and critical labs are access controlled using biometric sensors that enables entry-exit of authorized personnel. All computer equipment is connected to UPS with round-the-clock cooling, wherever necessary. Fire-alarms and smoke detectors have been installed throughout the campus. ISTF has started its preparatory work for getting an additional Internet Lease line for redundant Internet services with PRI Lines for Voice-over-IP (VOIP) services.

ISTF maintains an extensive software repository for needs of various disciplines. Some of the most popular software are ANSYS, Star CCM+, Autodesk Inventor, AspenTech, Mathematica, PSCAD 4.2, STATA 11.1, AutoCAD, Lab-View, Cadence, TCad, Matlab, Xilinx, ISE, Origin, ETab, Arc-Gis.

The institute also houses VEGA, a High Performance Computing Cluster (HPCC) that enables the users to perform parallel and GPU computing relevant to their research interests. In addition to HPCC, the institute has a separate setup, powered by two high-end nodes with NVIDIA K20Xm Tesla cards, as part of the NVIDIA CUDA Teaching Center. These nodes are connected to country-wide GARUDA network provided by C-DAC.

ISTF is also planning to augment the present HPCC by adding new nodes of latest technology to cater the needs of the many potential in house scholars and meeting requests from non-IITGN users.

NEW INITIATIVES

ISTF team constantly undertakes various in-house projects to enhance their skill sets and stay up-to-date with the recent technology. The team has successfully completed the following projects:

- Configured a Lightweight Directory Access Protocol (LDAP) server for providing centralized directory services and authentications of users.
- Configured Radius server that is sync with Eduroam services. The Radius server has been integrated with LDAP so that any IITGN user can login with his/her credentials in any institute in India and abroad and avail internet connectivity, via WiFi, across campus using their laptops, smartphones and other portable devices.

OUTREACH ACTIVITIES

ISTF has been an active contributor and participant in many of the Institute's initiatives and events. The team provides comprehensive support for various events and activities. This year ISTF conducted, as a part of TEQIP initiative, two week summer school on "Cloud Computing" which had lectures followed by hands-on sessions. The school received an overwhelming response, with a number of participants from the engineering colleges in Gujarat and other states.

RESEARCH FACILITIES

COMPUTATIONAL NANOPHOTONICS LABORATORY

The Computational Nanophotonics laboratory investigates the fundamental physics of light interaction with nanostructured materials with an eye towards applications in imaging, sensing and energy harvesting. Specifically, it investigates nanostructures made from high-refractive index materials: noble metals that exhibit plasmonic behavior and semiconductors that exhibit enhanced magnetic response. The myriad applications that the lab investigates include high resolution and very wide field-of-view microscopes, monolithic integrated ultra-miniature cameras, ultra-sensitive non-destructive optical measurement techniques for probing objects and dynamics at the nanoscale, bio-inspired sustainable energy harvesting and storage techniques. The lab relies heavily on the computational resources at the institute and uses home-brew codes as well as commercial software tools.

DRY PROCESS TECHNOLOGY (DRYPROTECH) LABORATORY

New humidity controlled glove box and Faraday cup with electrostatic charge measurement facility have been installed in the Dry Process Technology (DryProTech) Lab. The facility will be used to conduct any experiments under controlled humidity (25% to 90% RH) and temperature till 65 degree centigrade. Electrostatic charge of any materials can be measured using the Faraday cup and electrostatic charge measurement instrument. This also can be done inside the glove box to avoid any influence of humidity on electrostatic charge of materials.

FRICTION STIR WELDING

Friction stir welding (FSW) is a solid state joining process, where a rotating tool forms the weld due to severe plastic deformation. The tool rotating at high rotational speed generates heat due to friction at the tool-workpiece contact surface. The rotating tool moves along the weld line and forms a joint by deforming the softened plasticized material. Lack of fusion during FSW avoids issues such as solidification cracks, porosity, distortion and mechanical properties. The FSW machine is capable of joining various materials such as aluminium, copper, magnesium, steel etc in solid state. The machine has a 12.5HP electrical motor for tool rotation and can generate enough torque to join hard materials. The motor can be rotated up to 3000RPM. This machine is capable of measuring various process parameters during friction stir welding such as tool rotation speed, welding speed, plunge force, feed force, torque, and power. Apart from the main machine, various tools have also been developed to join different materials including polymers, and fixtures to join different sizes of the workpiece materials.

GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) LABORATORY

GNSS laboratory consists of satellite navigation receivers provided by ISRO Space Application

Center, Ahmedabad, to conduct application-oriented research in navigation. The receivers are capable of determining their positions, velocities and time using both Indian Regional Navigation Satellite System (IRNSS) and Global Positioning System (GPS).
System Description:
The receivers operates in dual-frequency mode of the IRNSS using L5 (1176.45 MHz) and S1 (2492.028 MHz) band. In addition, it can process L1 (1575.42 MHz) coarse/acquisition signals from GPS. The system supports 34 channels: 11 channels each for L5 and S band, and 12 channels for L1 band. The receiver generates the navigation solution using various modes: L5 only; S only; L5+S; L5+L1; and L5+S+L1. Navigation solutions generated by the receiver contains the position of the receiver in both ECEF Cartesian coordinates (x, y, z) and geodetic coordinates (latitude, longitude and altitude), velocity in ECEF Cartesian coordinates, and receiver clock bias. The navigation solution is provided at 1 or 5 Hz. The receivers also provide various observables like pseudo range, Doppler, and carrier phase so that researchers can use these to generate accurate navigation solution using their own algorithms. Further, the receiver is capable of receiving correction messages from space-based augmentation system – GAGAN (Geostationary Augmented GPS-Aided Navigation) - which can be used to improve the accuracy of the navigation solution further. The receivers have battery backup and data logging facility, enabling them to be used on mobile platforms. They provide Rinex 3.03 and NMEA outputs.

MICROELECTRONICS LABORATORY

The Microelectronics laboratory is primarily used for analog and digital VLSI design and semiconductor device related research and teaching post-graduate laboratory courses in microelectronics. It is equipped with required hardware and software. The institute has signed NDAs with IMEC Belgium for UMC, TSMC and with Semiconductor Laboratory (SCL), India for design library support and IC fabrication work. Chips have been fabricated in UMC 180nm and in UMC 65nm. The laboratory is equipped with multi-user licenses for Cadence, Mentor Graphics, Synopsys, Xilinx ISE, tools. The lab is equipped with several FPGA boards including Basys boards, Nexus boards, Spartan boards and state-of-the-art Kintex-7 boards; along with about 30 computers and a server machine that hosts the tools.

WASTE-WATER TREATMENT LABORATORY

The Waste-water Treatment Laboratory has the following state of art facilities currently:

- **COD measurement** - The instrument uses closed reflux method to determine Chemical Oxygen Demand (COD) of waste water samples. It can analyze 12 samples in a single 2-hour run.
- **Total Kjeldal Nitrogen (TKN) measurement** - This leading edge instrument has inbuilt automated Scrubber and Distillation system attached to a heating digester to prevent any leakage of harmful gases to atmosphere.
- **Nitrous and Nitric oxide sensors** - These sensors (first of its kind in India) are used to quantify dissolved nitrous and nitric oxide formed during aerobic treatment of waste water.
- **pH, DO, Conductivity & TDS electrodes** - These probes gives accurate values of the related parameters in waste water samples.
- **SIMBA simulation software** - This software can simulate large scale wastewater treatment plants to a great level of detail.

LABORATORY FACILITIES

BIOLOGICAL ENGINEERING

The Molecular Biology section of the laboratory is equipped with a plate reader, gradient thermocycler, gel documentation system, real-time PCR, inverted fluorescence microscope, water purifier, laminar flow hood, -80°C freezers, -20°C freezer, refrigerators, shaker incubators, vibration-free crystallization incubator, refrigerated centrifuges (low and medium capacities), western blotting apparatus, pH meters and water baths. The Nano drop system measures the concentration of protein and DNA. FPLC system (GE) with various columns is used for protein purification. The lab also has a microwave-based peptide synthesizer along with an organic synthesis module and an ultracentrifuge provided with three rotors for synthesizing small molecules and peptides. The cell culture facility is equipped with a biosafety cabinet, CO_2 incubator, high-speed centrifuge, automated cell counter and liquid N_2 cryo-preserver to support all the activities related to mammalian cell culture. The lab is also equipped with a UV cross linker to study DNA damaging in cells.

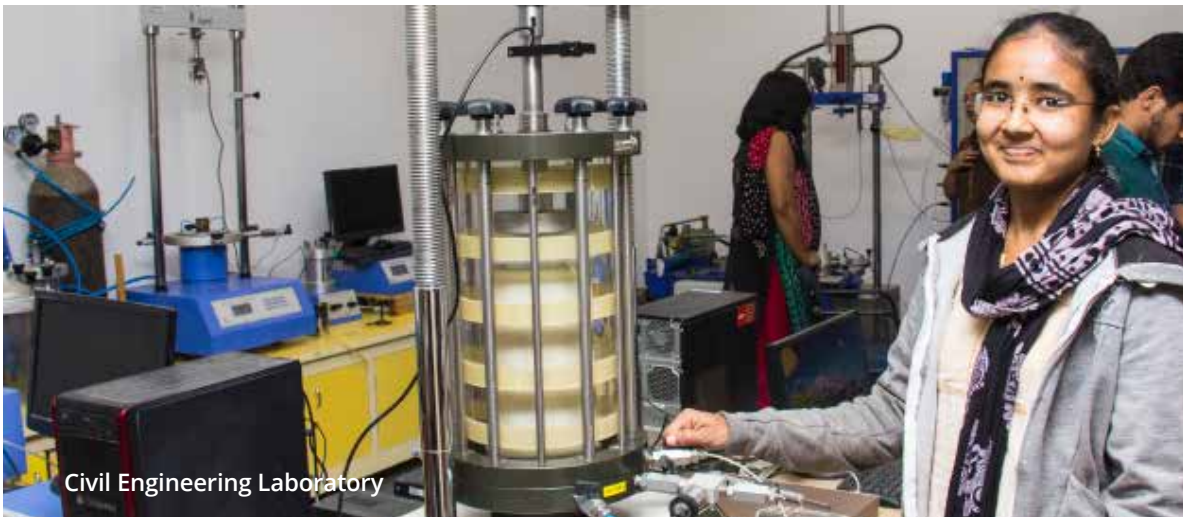
CHEMICAL ENGINEERING

The laboratory facility in the Chemical Engineering discipline has an extensive range of modern experimental setups. Fluid mechanics experimental set-ups include Reynolds experiment apparatus, Bernoulli's apparatus, friction factor through different pipes, equivalent length of pipe fittings, orifice and venturimeter, and centrifugal pump characteristics. Unit operations/mass transfer operations experimental set ups include ballmill, sieve plate/simple distillation, packed bed absorption tower, and solid-liquid/solid-gas/ liquid-gas mass transfer. The experimental setups pertaining to heat transfer operations include heat exchangers of various types such as shell and tube/ double pipe/coiled plate/fluidized/ finned tube, and other experiments such as heat transfer in agitated vessel, heat transfer in laminar/turbulent flows, and absorptivity of different materials. Chemical reaction engineering setups cover Batch/PFR/CSTR reactors. Process control and dynamics setups include simple pendulum, bulb thermometer, interacting and non-interacting tanks, on-off controllers, and PID control. The facility also includes special characterization facility such as UV spectrophotometer, HPLC, GC, and particle size analyzer, and a computer facility for process simulation laboratory. Simulation tools such as ANSYS, STAR-CCM, AspenTech suite, MATLAB and COMSOL are also available.

CHEMISTRY

The Chemistry discipline enjoys access to several research facilities. These include a 500MHz Ascend FT NMR (Bruker), a Synapt G2S ESI-QToF mass spectrometer (Waters) and cyclic voltameter (CH Instruments), a powder XRD (Bruker), a Lifespec-II TCSPC

(Edinburgh), a multimode 8 atomic force microscope (Bruker), a scanning electron microscope (JEOL) a circular dichroism (CD) spectrometer (JASCO), 3 Flex-BET surface area analyzer (Micromeritics, USA), TGA-DSc and Gas Chromatography. Other research equipment such as digital polarimeter (Anton-Paar), an FTIR spectrophotometer (Thermo Scientific), digital melting point apparatus (MR-VIS), a photochemical apparatus (Luzchem), UV-Vis instruments (Shimadzu and Analytik Jena), a spectrofluorimeter (Horiba-JobinYvon), high-pressure liquid chromatography system (Agilent) are also used for teaching and research. The wetlab is well equipped with fume hoods, rotary evaporators (Buchi, IKA), analytical balances (Shimadzu, Mettler) and regular facilities such as Schlenk lines, heating mantles, ovens, freezers, hot plates and stirrers.



Civil Engineering Laboratory

CIVIL ENGINEERING

In the Civil Engineering discipline, laboratories in Structural Engineering, Geotechnical Engineering, Water Resource Engineering and Surveying/GIS are operational.

The Structural Engineering Laboratory has the following material testing facilities for UG students: Compressive strength test of concrete; Compaction test of concrete; Slump test of concrete for workability; Consistency test of concrete (Ve Be consistency); Soundness test of concrete; Bulk density estimation of concrete; Specific gravity test; Setting time test for cement; Grading of aggregates; Compressive strength of mortar; Compressive strength of bricks; Prism test for masonry; Water absorption test for bricks; and Initial rate of absorption of brick. In addition, other facilities for the PG students are to demonstrate some fundamental components of structural dynamics, which includes instrument like Electro-Dynamic Shaker, Sledge Impulse Hammer, Sensors and Data Acquisition Systems, Waveform Generator and Dynamic Signal Analyzer. The sensors include a variety of accelerometers, velocity seismometers and Displacement Transducers depending upon the applications.

The Geotechnical Engineering Laboratory is equipped with basic soil testing equipment as well as high end research equipment. The equipment can be used to measure the mechanical properties of soils, which include index property, permeability, compressibility, and shear strength and dynamic properties.

The following equipment in the **Water Resources Engineering Laboratory** are used for teaching purposes: a hydraulic bench, Pitot tube, Reynold's Apparatus, Sharp crested weir (Notch), Bernoulli's Apparatus, Venturimeter and Orificemeter, Nozzle meter, Hydraulic Tilting Flume, Basic Hydrology Apparatus, Free and Forced Vortex Flow Apparatus.

The Survey and GIS Laboratory has been developed with the procurement of various high end survey equipment and GIS software. Survey equipment includes advanced Integrated Surveying kit which consists of Kinematic GPS, Robotic Total Station, and related field and office software. It provides a common file and user interface to GPS and Total Station, which complement each other. Integrated surveying provides a platform where GPS techniques can extend a total station survey without

the need for extensive traversing. Besides this, number of Total Staions, Autolevel, Digital Level and hand-held GPS are also procured, which will be used in addition to the advanced Integrated Surveying kit. Multi-user ArcGIS Info kit is procured to carry out GIS analysis in teaching and research activities. ArcGIS package will add the pre-existing image processing software for handling the satellite data.

COGNITIVE SCIENCE

Eye-tracking the eye tracking facility includes a Tobii TX 300 Eye Tracker and comes with the Tobii Studio™ Eye Tracking Software. This is a state of the art- eye tracking facility that can be used flexibly for a variety of purposes. The facility also includes Tobii Toolbox, which supports data collection using MATLAB, thus minimizing the use of Tobii Studio for experimental design. Support is also available for E-Prime through extensions from Tobii.

Wireless Physiology-based Data Acquisition System developed and manufactured by Biopac Systems Inc., Wireless Physiology-based Data Acquisition System facilitates the real time data acquisition of physiological signals. The system covers a wide range of physiology signals such as ECG, EMG, EDA and provides excellent signal quality with digital transmission with high resolution of 16 bit and at high speed up to 400kHz aggregate.

Virtual Reality-based Devices and Programming Platform this is the software-programming platform, namely, Vizard from WorldViz Inc. Vizard is a high level graphics toolkit for the development of high-performance graphics applications, including Virtual Reality (VR), scientific visualization, games, and flight simulation.

Virtual Reality Motion Capture System this custom-developed system uses electromagnetic sensors (Ascension trakStar, Northern Digital) to record arm movements made in the horizontal plane.

128 Channel EEG the high density EEG facility is a complete system with 128 channel EEG sensors, amplifier, and software. The Geodesic Sensor Net (GSN) provides a simple method to apply dense arrays of sensors quickly and easily. The result is a comfortable and low stress experience for participants — even infants, children, or populations with behavioral challenges easily accept the GSN. The Net Station software provides full acquisition, review, and analysis functions.

Emotiv EPOC 16 Channel wireless EEG system – Research Edition Emotiv EPOC / EPOC+ features 14 EEG channels plus 2 references offering optimal positioning for accurate spatial resolution.

Motion Capture System Ascension trakStar consists of 6 electromagnetic sensors and an electromagnetic transmitter. These sensors are very useful to record the motion of muscle joints up to 240 Hz.

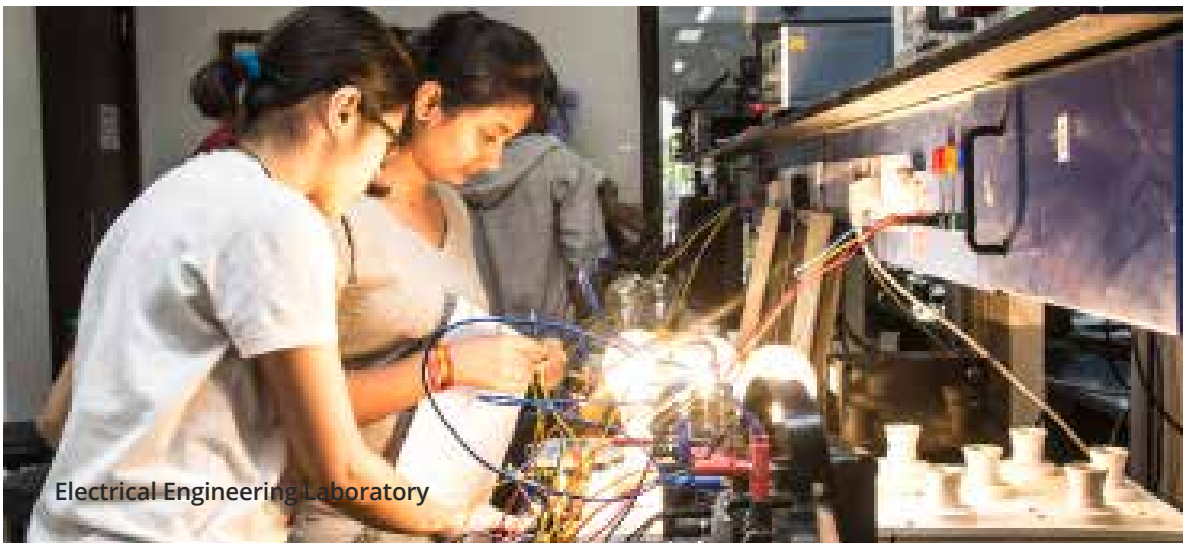
Digitising tablet GTCO CalComp digitising tablet record the end point movement of hand. It has functional area of 36X24 cm. It records the movement of stylus on the surface of the tablet. It can record the movement of stylus at the rate of 60 Hz.

Behavioral cubicles Currently, there are three behavioural cubicles housing computers that support behavioural data collection. The cubicles are sound attenuated dark rooms with adjustable lighting. The PCs run MatLab with psychophysics toolbox and is currently used by postgraduate students and faculty members for research on decision-making, attention, agency etc.

ELECTRICAL ENGINEERING

The Electrical Engineering discipline currently offers six laboratory courses to its undergraduate students and one basic laboratory course to students of other engineering disciplines. The laboratories are also well equipped for advanced experiments and research.

The **Electronics Engineering Laboratory** is fully equipped with high-end test and measurement equipment including 100 MHz dual-channel digital storage oscilloscopes (Tektronix) and dual-channel function generators (Agilent). The antenna and microwave section has Gunn diode-based microwave test benches and antenna trainer kits to train the students in RF experiments. An RF Spectrum Analyzer (Agilent) enhances the spectral analysis capabilities of the lab. A wide range of microprocessor and microcontroller-based embedded systems trainer kits are available for students to perform lab experiments and to carry out various course projects. The Electrical Machinery laboratory has 5 sets of test benches with each set incorporating the following machinery and control modules: a DC machine, a synchronous machine and an induction machine.


Electrical Engineering Laboratory

The bench also includes panel meters, sensors for speed torque measurement, power electronic controllers for field and armature power supply, variable frequency drive for the induction motors and synchronizer for parallel operation of alternators.

The **Power Electronics and Drives Laboratory** has FPGA based (Spartan/Xilinx) DSP controllers and intelligent power modules for the control of induction motors, BLDC motors, PMAC motors, dc (shunt or separately excited) motors and switched reluctance motors. The Control Systems Laboratory has process control trainer modules that include simulators of various types of feedback control systems. PID controllers and lead/lag compensators are also in place. Process measurement kits are available to measure parameters such as temperature, level, position, velocity and acceleration. The laboratory also has a comprehensive two-channel vibration analyzer to study vibrations in flexible structures.

The research facilities of the discipline are housed in the following laboratories:

The **Photonic Sensors Laboratory** is equipped with several narrow line width near-infrared and mid-infrared laser diodes for the detection of methane, acetylene, carbon dioxide, ammonia and water vapour. The lab also has a 100 mW, 4500 nm quantum cascade laser (Daylight Solutions) for mid-infrared spectroscopy.

A state-of-the-art **Wafer Characterization Laboratory** currently houses a 6" wafer probe station, a semiconductor parametric analyzer (with 4 SMUs, 1 LCR meter, 1 pulse unit), a dynamic signal analyzer, a low noise current pre amplifier and ICCAP modeling software. The **Intelligent Rehabilitation and Affective Computing Systems Laboratory** is equipped with physiological signal data acquisition system, virtual reality programming platform, haptic device and eye tracker for research on adaptive psychophysiology based systems applied to stroke rehabilitation and autism research. The VLSI Design lab facility has been now enhanced with almost all the necessary software and a considerable amount of hardware support.

The **Real-time Power Engineering Simulation** (RT- PES) test bed is a fully digital real-time simulation platform with customized modular based hardware prototypes. It has been set-up to study the behavior of the electrical system as a "virtual" prototype. The actual computer-controlled HIL and RCP capability of RTPES test-bed provide the opportunity to test the performance of the various equipment/controllers before introducing them into the real environment. The Computer Vision Laboratory houses the Faro Focus 3D X330 Laser Scanner which is aimed to digitize large structures which are 330 meters away with a resolution of few millimeters. Apart from the the laser scanner, there is a workstation which has installed software such as Faro Scene, MeshLab, and Geomagic Studio.

MATERIALS SCIENCE & ENGINEERING

Materials Science & Engineering at IITGN has access to several state-of-the-art equipment and facilities. These include the Ambient Scanning Probe

Microscope (Multimode-8-AM, Bruker), the X-Ray Diffraction System (D8 Discover, Bruker), and Friction Stir Welding Equipment. The thin film lab carries out film deposition using an RF Magnetron sputtering unit (Model: Table Top Sputter coater MM–237, Supplier: M/S Milman Thin Film Systems Pvt. Ltd.) with facility for co-deposition from two targets. The laboratory is also equipped with a Four-point probe measurement system to measure the resistivity of the semiconductor thin films.
The metallography lab has facility for sample sectioning, mounting, grinding-polishing, etching, observation under optical microscope and hardness testing. The materials characterization lab evaluates the microstructural, electrical, thermal, tribological, optical, structural and compositional properties of materials. The Differential Thermal/ Thermogravimetric analyser (DTA/TGA) measures the thermal properties of materials. Structural and surface properties of materials are measured by Contact Angle Meter and Surface Area Analyzer. UV-Vis spectrophotometer and Photoluminescence measurement system are used to evaluate the optical properties of materials. The Wet Lab and liposome preparation facility houses the instruments necessary for preparing liposomes and protein-lipid complexes. The instruments include Ultrasonic processor, Analytical Weighing Balance, Dessicator with vacuum pump, centrifuge, incubator and autoclave.


Mechanical Engineering Laboratory

MECHANICAL ENGINEERING

The Mechanical Systems Design Laboratory supports the execution of structured experiments on the behavior of mechanical components and systems has test rigs such as planar linkages, cams, gear box, whirling of shaft, balancing of machines and mechanical vibrations. The gear-box test rig allows fault-detection such as broken tooth by way of vibration characteristics.

Solid and Fluid Mechanics Laboratory: The Solid Mechanics Laboratory has two Mts universal testing machines of 100 kN and 200 kN capacity, Charpy impact testing machine of 450J capacity (Mts), torsion testing machine (500 nm) and Rockwell and Vickers hardness testing machines (Zwick Roell), and a fatigue testing machine. The fluid mechanics laboratory has setups for conducting experiments on fluid statics and fluid dynamics. Several common turbo machines such as gear pump, centrifugal pump, pelton wheel along with various flow measuring devices and accessories have also been installed.

Manufacturing Laboratory: The Manufacturing Laboratory has facilities such as lathes, milling machine, vertical machining centre, electric discharge machine, welding, fitting and tin smithy equipment. It supports courses on Manufacturing Practices and Processes and supports manufacturing activities in Integrated Design and Manufacturing courses. It also serves as a workshop for fabrication of undergraduate student projects as well as research-related equipment and accessories.

Control Systems Laboratory: The Control Systems Laboratory is shared between several disciplines and covers a range of experiments that help the students understand both the theory and design aspects of control system and the

implementation aspects. The test rigs provide hands-on experience with sensors, data acquisition, calibration, stability analysis, PID controller tuning, modeling from experimental data, root locus-based design to meet performance criteria. There are test-rigs for temperature control of hot water baths, liquid level control, inverted pendulum control, servo motor control, and control trainer kits which are used to give an application oriented view of control systems.

PHYSICS

The Physics Teaching Laboratory is equipped with state-of-the-art equipment and facilities for conducting experiments and demonstrations at the undergraduate level. Over the past one year, it has been significantly expanded to conduct advanced experiments at the MSc level. The MSc physics laboratory consists of eleven experiments covering topics in optics, solid-state physics, spectroscopy and modern physics. The procured state- of-the-art equipment include apparatus to study the Hall effect and measurement of energy band gap in semiconductors, the study of interaction of an external magnetic field with an electron spin and measurement of gyromagnetic ratio by electron-spin resonance, the study of the interaction between the magnetic field and the magnetic di- pole moment associated with the orbital angular momentum of electron by Zeeman effect, interferometers like Fabry-Perot and Mach-Zehnder which are used extensively in measurement of extremely small changes in wavelength, distances and for measuring refractive indices of various substances, experiments on lasers include the study of intensity profile of a laser beam and experiments on optical waveguides. Keeping in mind the significant role that electronic instrumentation plays in experimental physics, the laboratory also offers various introductory experiments on electronic components like FET, MOSFET, logic gates, operational amplifiers, signal modulation (AM, FM, PWM). Other high-end equipment that are in the pipeline include X-ray diffractometer for elemental analysis, crystal growth and crystal density measurements. Apart from standard experiments students are encouraged to participate in proposing new experiments as part of the standard curriculum. The physics laboratory houses an astronomical telescope to encourage students to develop interest in this area. It has a reflector with an eight-inch mirror of focal length 1200 mm on a Dobsonian mount and fitted with lunar as well as a solar filters. Many students use it regularly to observe planets, star clusters and other cosmic objects.

LIBRARY

The library is an integral part of academic and research work in any research-led institute. The Central library of IITGN has continued to build and expand its collection both in print and digital form, and design and deliver innovative services to support all aspects of scholarly activity on the campus. During the reporting year, the library initiated a number of important activities and services. These are presented in the sections that follow.

LIBRARY COLLECTION

Print & Audio-Visual Collection

The library's collection of research monographs, text books, reference books, conference proceedings, CDs, VCDs, DVDs etc, covering the wide variety of academic and research interests of the Institute has been growing rapidly. The following table presents additions to collection during the year 2015-16.

New collection added as on March 31, 2016

Type of collection	Additions in 2015-16	Total collection
Books	2584	22910
Children books	13	886
Hindi collections	14	421
CDs	82	904
VCD/DVDs	96	548
Technical reports	0	456
Theses	57	104
Total	**2846**	**26229**

Online Procurement of Books

Library has been procuring books from the online book stores which are urgently required by the faculty for their teaching work. During this period, library has procured 92 books through different online book stores and made available to faculty members for their immediate use.

Print Journals & Magazines

Library subscribes to a large number of scholarly journals, magazines and newspapers in print form. During the year, the Library discontinued 33 journals which were less used but still can be made used as they are now available under Open Access mode. In place of these, 15 new journals were added, taking the total number of subscribed journals to 139. This is in addition to a large number (12000+) of scholarly e-journals subscribed.

Digital Resources

To support the academic and research work at the Institute, library has been subscribing to several major e-resources both in bibliographic and full text forms. Some of these are subscribed through INDEST & INFLIBNET e-consortia and others directly. During the year, in addition to existing 38 resources, the library also subscribed to number of selected journals published by following publishers:

- Light Metal Age
- American Society for Testing and Materials
- Institution of Civil Engineers, London
- International Institute of Earthquake Engineering and Seismology
- Techno Press

Added to this, library as a member of this E-Shodh Sindhu consortium has received support towards subscription to 11 e-resources and access to 7 additional e-resources which were not subscribed earlier.

CIRCULATION (LENDING) AND INFORMATION SERVICES

Circulation Service

One of the major services that the library offers is circulation of books and other reading materials among the users. Every registered user is entitled to borrow reading materials physically available as a part of library collection. The total number of documents issued and returned to the users during the year was 21763 and 21688 respectively.

Information/Reference Services

Library has been actively promoting reference & information services (in-person or over the campus network) to its user community. In 2015-16, library introduced the following services:

- New Additions of Books with links to publisher website, display of book covers
- QR Codes for various services and documents
- Institute Publications' Weekly Alert
- Book of the Week
- Created MTech & PhD Dissertations catalogue
- Started building Virtual Reference Collection with link to Citation Styles, e-Print Archives, reference management software and others
- Created and updated 39 bibliographies on different subjects
- Virtual exhibition of books and other resources added to library collection
- And other related services

Library Participation in REFECO'2015

Library actively participated in the **4th Researcher's Ferret Confab** (REFECO 15) organized by research scholars at the Institute during April 11-12, 2015. On this occasion following two talks were given by Dr T S Kumbar, librarian on the topics:

- Library Resources & Services in Support of Research Activities, April 11, 2015.
- Electronic Theses & Dissertations: Selected Resources, April 12, 2015.
- The following poster presentations were made by the library staff:
- Scholarly Communication Cycle
- Publication Peer Review Process
- How to select the journal for publishing research
- Open Access Resources for research
- Scientific Temper

RESOURCE SHARING

Since its inception library has been playing an active part in availing the benefits of sharing resources with other major libraries in the cities of Ahmedabad & Gandhinagar as well with IITs, NITs, IIMs, IISERs, CSIR Libraries, and DELNET member libraries in the country. This is done through Inter-Library Loan and Document Delivery Services.

Inter-Library Loan

Through the Inter-Library Loan service library borrowed 136 books and loaned 34 books to other libraries during this period.

Document Delivery Service

Under Document Delivery Service, the number of articles requested and received from other libraries has been increasing every year. In all, 8401 articles were received (as compared to 9519 in the previous year) from other libraries and delivered to the faculty members and students. Besides getting papers from other libraries to meet the institute's requirements, IITGN also delivered 766 papers to other libraries on their request. To meet the increasing demand from the users, library has opened up a deposit account with National Institute of Science Communication and Information Resources (NISCAIR) of CSIR. Library has also started using the fee based service of SUBITO, a European Based Document Delivery Service through Goethe, Institut/Max Mueller Bhavan, New Delhi.

MEMBERSHIPS

Organizational Membership

In order to avail the benefits of various services, the membership of INFLIBNET e-consortium and Development Library Network (DELNET) along with ten other library and professional bodies was renewed. In addition, library for the first time enrolled as Institutional Member of American Concrete Institute (ACI), USA for the year 2015.

E-Shodh Sindhu Consortium (MHRD) Membership

E-Shodh Sindhu is a newly formed national consortium by MHRD with an objective to provide access to qualitative electronic resources including full-text, bibliographic and factual databases to academic institutions at lower subscription rates. IITGN library is a member of this consortium and actively contributed in all meetings held related to subscription to e-resources.

Library Memberships

Keeping in view Institute's effort to build a strong relationship and interactions with individuals and institutions beyond IITGN faculty, students & staff, library has introduced the following membership schemes which enables these members to use library resources and services against prescribed fee/free. The following table presents the number of members enrolled under each category.

Type of membership	No. of members registered
Academic and Educational Institutional	4
Corporate	4
Individual	11
IITGN Family	21
Alumni	1

In all, 41 members have been enrolled since the introduction of these memberships. This is in addition to the number of walk-in-users who come to use the library for short period.

LIBRARY ORIENTATION & TRAINING

Library Orientation for Freshers

In order to create awareness and familiarize about the resources and services offered by the library, various programs have been organized for the fresher batches of Btech students, PG and PhD students.

Training Sessions for Students

Training programs on tools like SciFinder, IEEEXplore, Plagiarism, Turnitin, Web of Science, and so on.

INFRASTRUCTURE

Physical Infrastructure

Library continues to add new infrastructure to attract and facilitate the usage of its resources. In this year, library added 31 new books racks, 300 book rests, 3 display stands, number of kick-along step stools and soft boards at different places.

Remote Access to E-Resources

To promote the use of e-resources, library has introduced an off-campus access using Remote XS service. To begin with, Faculty members and Research scholars have been given the access and required manual has also been prepared to aid making best use of this facility.

Migration to Koha

An Open-Source Library Management System

To give further impetus to library services and better access to library resources, library has successfully migrated to Koha, a new open-source library management system. The online catalogue http://catalog.iitgn.ac.in/, circulation transactions and other in-house operations of the library has moved to this new platform. As part of implementation of this new software, a three-day training programme for library staff was held in the third week of March, 2016.

LIBRARY SERVICES ON NEW CAMPUS

Mini Library on Palaj Campus

For the first time, library started its operations on Oct 7, 2015 on the Palaj campus by opening a Mini Library in the Hostel area. This library with its modest infrastructure and course related books, magazines, newspapers etc served very well as link and extension of the main Library on VGEC campus. This library very soon became a popular place among student community and continued to serve the community till March 6, 2016 after which it was merged with the main library situated at Palaj.

Library Moved to Palaj Campus

The services of the main Library located in VGEC campus was closed on Feb 27, 2016 and successfully moved in a record time of 9 days (Feb 27- March 6, 2016) to the Palaj Campus. The newly setup library

in this new location with better arrangements and inviting space was opened to the Institute community on March 7, 2016. **Prof Sudhir K Jain**, director graced the opening ceremony.

MANAGING IITGN SCHOLARLY PUBLICATIONS

Publication List & Citations Analysis

Library tracks the scholarly publications of IITGN community on a regular basis using different sources. These details are also collected from the respective faculty and students. The information is formatted using the standard citation style followed in the Institute and updated on the Institute website. A weekly alert, listing new publications added is sent on every Monday to keep the community informed on the website. The data analysis of these publications along with number of citations, impact factor, h-Index etc in an organized manner is provided.

Digital Repository

Library has created a Digital Repository (http://repository.iitgn.ac.in/) using the widely used open-source DSpace software to collect, organize, manage and provide access to scholarly publications. To begin with, this repository covers the metadata and abstracts of journal articles, conference papers, book chapters, working/technical papers, reports, theses and dissertations, presentations and other forms of scholarly documents published by IITGN Community. With the launching of this repository, scholarly publications of IITGN faculty, students and staff will get further visibility. A total 454 documents have been added to the repository during the period of this report.

LIBRARY TRAINEESHIP/INTERNSHIP

Library Trainees

Library has been selecting fresh post graduates in Library & Information Science as Library Trainees. The selections are made through a competitive process. The selected candidates are offered the opportunity to learn on the job. They contribute substantially to enhancing the library services while the gain rich experience on the job.

LIBRARY STAFF ACTIVITIES

Library Staff Visits to Technology Libraries

The staff-development policy of the Institute aims to help the staff build relations with other libraries and library professionals, and gain first-hand knowledge of the library operations. The library staff and trainees visited the following libraries during the year:

- MICA Library, Ahmedabad on May 3, 2015
- Nirma University Libraries, Ahmedabad on May 19, 2015
- TCS - Information Resource Centre, Gandhinagar on Dec 23, 2015

These visits gave them required exposure to the way established libraries manage their resources and services. These visits also serve to build long-term relations between staff members of various institutes.

NEW INITIATIVES

Subject Resource Guides The library created various subject resource guides using Open Source Software Subject Plus in order to create awareness and promote the use of library resources. These can be accessed at http://www.iitgn.ac.in/library_files/resource_guides.htm

Union Catalogue of E-resources To promote resource sharing among major Science & Technology institutions, library has created a Union Catalogue of E-Resources (http://library.iitgn.ac.in/unicat/) subscribed by 22 libraries which include IITs, IISc & IISERs. This catalogue covering more than 1100 e-resources is accessible online. This will be expanded to cover NITs and other Institutes of national importance.

Subject Liaison Services In order to build strong interaction between library and user community, library has created Subject Liaison Services in the disciplines of Engineering, Sciences, and Humanities and Social Sciences.

Summer Research Internship (SRIP) 2015 Two students, **Tanishq Monga** from Thapar University, Patiala, Punjab and **Prakruthi R M** from Sri Jayachamarajendra College of Engineering, Bangalore, Karnataka, worked with the library under the SRIP Programme from May 1-July 10, 2015.

MEDICAL CENTRE

Three qualified medical practitioners are available at the institute from 9 am to 9:30 pm on weekdays to provide medical care and advice to students, staff and faculty. A doctor is available round the clock to attend to emergencies. Hospitalization expenses of all students are covered under a medical insurance policy. A team of two trained male nurses and an assistant nurse is available on a full-time basis to provide first-aid and for routine medical services such as checking temperature, blood pressure, blood sugar, oxygen levels and dressing wounds. They also assist in maintaining medical supplies and keeping medical records. The other facilities include an electrocardiogram (ECG) machine, oxygen, nebulizer therapy for asthma and chronic obstructive pulmonary disease (COPD), otoscope and a suction machine for ear examination, eye check-up facility, and a 24-hour vehicle facility for patients in case of emergency. The Institute has a modest in-house pharmacy that has all kind of commonly used medicines and a blood collection centre. An oxygen concentrator facility is also available in campus. Five beds are provided for indoor patients. The SAL Hospital Ahmedabad is on the Institute's panel of approved hospitals.

PHYSIOTHERAPY CENTRE

A physiotherapist is available at the physiotherapy centre for two hours from 5.30 pm to 7.30 pm every day except Sunday. The physiotherapy department is well equipped with all the modern equipment's, such as: electrotherapy machines (shortwave diathermy (SWD), TENS (trans electical nerve stimulator), IFT (interferential therapy), paraffin wax bath (PWB), muscle stimulator machine, cervical and lumbar traction machine, ultra-sound machine, hot and cold packs.

The **Exercise Therapy** section is equipped with shoulder wheel, wall ladder for frozen shoulder exercises, therabands for strengthening muscles, rope and pulley for shoulder exercise, springs, weights cuffs (sand bags), and physio ball. The following facilities will soon be available: quadricep table, full dumbbells set, tube theraband exerciser, wooden rocker balance board, wrist aupinator-pronator, ankle board with spring, bolsters set, static exercise bicycle, vibrator for improve lower limb blood circulation, handy vibrator. The centre also offers physiotherapy for orthopaedic conditions such as arthritis, tennis elbow and for neurological conditions like sciatica, cervical spondylosis, post-operative and post-fracture physiotherapy management, treatment for sports-related injuries, spinal rehabilitation in postural problems like backache. The patients are also advised about basic exercises and general guidelines for weight management and general well-being.

DAY CARE CENTRE

The IITGN Day Care Centre was started in March 2014 as a community initiative to provide a safe, secure and nurturing environment to the children from IITGN families. The centre began its operations from the temporary campus in Chandkheda, but was relocated to the permanent campus in Palaj in January 2016. The centre is guided by the simple aim to help in the development of children by engaging them in activities that they tend to enjoy the most. With this in mind, the centre offers unique, non-traditional developmental programmes for children to learn through music, dance, play and exploration. Some of the IITGN day care centre's flagship programmes are:

1. **Music and movement**: These music-based movement activities help develop fine and gross motor skills; the singing of simple but fun songs help in language development.
2. **Art and craft**: These sessions include freehand drawing, painting, vegetable printing, finger painting, paper crafts, collages among many others.
3. **Tumble time**: This unique programme engages kids in high-energy physical activities. The sessions incorporate training on basic movement skills, beginner's yoga, fundamentals

of gymnastics, music-based aerobic activities, rolling, tumbling, hopping, balancing, stretching and an obstacle course race.

4. **Classroom and story time**: The alphabet, numbers, colours, shapes etc. are taught to children in these sessions through games and play. The reading time introduces kids to new authors and stories, which helps to broaden their imagination. Together these activities hone their attention, concentration and problem solving skills.
5. **Sand and water play**: These soothing and entertaining sessions include sand and water play stations, a water hose, water wheel, watering cans, sand toys, as well as a splash pool.

The unique curriculum of the centre focuses on holistic education to bring out the best in the little children and thereby promote their progress. The activities thus function as vital tools for developing key physical, social and intellectual skills in the children.

OUTREACH ACTIVITIES

IITGN COMMITMENT TO SOCIAL OUTREACH: NYASA ACTIVITIES

Nyasa, a social initiative started by faculty and students of IIT Gandhinagar in 2011 continued its journey towards its goals of providing education and health awareness to the neighborhood involving children, women and children of migrant workers residing on campus. Our general activities that involve students and the underprivileged sections of the society include festival celebrations, birthday celebrations, clothes distribution and participation in institutional celebrations such as Republic day, Independence day or IITGN student sport and cultural activities. Summer camp for all the migrant workers children was also conducted. For villagers of Palaj and Basan and on campus construction workers, housekeeping staff and security personnel, Nyasa organized a medical awareness camp (Sanjeevani Mela) where over 1400 beneficiaries participated. General health checkup, eye and dental checkup were conducted. Free medicines, subsidized spectacles and smoke-less chulhas were distributed. Through interactive games and posters, health awareness sessions were conducted. Importantly, we are glad to point increased participation and involvement from the IITGN community in terms of the volunteer support. We are continually striving to extend these activities for the betterment of neighborhood.

NEEV: IIT GANDHINAGAR COMMUNITY OUTREACH PROGRAMME

NEEV is an IIT Gandhinagar community outreach programme aimed at the grassroots level to help promote entrepreneurship and livelihood generation. There is tremendous potential in the local community for various small-scale entrepreneurship, self-employment and other livelihood generating activities, however this potential is not fully realized due to limited resources and lack of awareness. IIT Gandhinagar perceives that it can help bridge this gap and make a meaningful impact through training, mentoring and providing networking opportunities. As part of this mission, the NEEV programme was established in 2014 to engage within its own as well as the surrounding community.

Entrepreneurship Development

The NEEV programme conducts entrepreneurship development workshops that include topics such as idea generation, market research, business arithmetic, business plan formulation, marketing and promotion and negotiation skills. For grassroots beneficiaries, the education level, medium of instruction, socio-economic factors are also accounted for, and the sessions are conducted through role plays, interactive sessions and other such participatory methods. The course content and pedagogy are developed in collaboration with I Create India, a non-profit organization.

The following entrepreneurship development workshops were conducted in 2015-16:

A 5-day workshop during April 2-6, 2015 at IIT Gandhinagar, 16 participants. Participants included IITGN staff members, aspiring entrepreneurs from IITGN's outsourced workforce (such as security, housekeeping, mess, transportation, and a few members from their family), aspiring entrepreneurs from Ahmedabad/Gandhinagar area.

- A 5-day workshop during June 8-12, 2015 at IIT Gandhinagar, 32 participants. Participants were students from ITI Chandkheda.
- A 3-day workshop during Sep 2-4, 2015

at Bhagini Samaj, Khambhat, Gujarat, 25 participants. Participants were beneficiaries of an NGO working with disadvantaged women in Khambhat, Gujarat.

The group of trainers comprises **Ms Shradhda Jain, Ms Swati Verma** and **Ms Soumya Harish** from IITGN, and **Mr B R Venkatesh, Mrs Tejaswini Venkatesh** and **Mr Joseph Pius** from I Create India.
Awareness sessions on entrepreneurship and related topics are also conducted from time to time. The purpose of these one- or two-hour sessions is to create awareness about entrepreneurship being a viable career choice and/or an empowering avenue of livelihood generation. These sessions also serve as a platform to introduce the activities of the NEEV programme.

The following awareness sessions were conducted in 2015-16.

- An awareness session on entrepreneurship on June 3, 2015 at ITI Chandkheda, 55 participants. Participants were students from ITI Chandkheda.
- An awareness session on the activities of the NEEV program on August 21, 2015 during the foundation programme at IIT Gandhinagar, 70 participants. Participants were first year students from IIT Gandhinagar.
- Awareness sessions on Self Help Group (SHG) and entrepreneurship Feb 6-7, 2016 at IIT Gandhinagar, 200 participants. Participants included women from the villages of Palaj and Basan, and construction workers.
- Awareness session on entrepreneurship on Feb 20, 2016 at Lavarpur village, 10 participants. Participants were members of Self Help Group from Lavarpur village.

The trainers included **Ms Shradhda Jain, Ms Swati Verma** and **Ms Soumya Harish** from IITGN, and **Mr Joseph Pius** from I Create India.

Featured NEEV Entrepreneurs

Featured here are a few participants of the NEEV programme who have started their own enterprises.

- **Ms Shradhda Jain** and **Ms Swati Verma**, (entrepreneurship workshop, September 2014) have started a professional housekeeping services called "Clean it Up!" in July 2015, and operate a small canteen in the academic area of IITGN campus.
- **Mr Suresh Sanchaniya** (entrepreneurship workshop, April 2015) opened his daily needs store in the hostel area of IITGN campus in Sep 2015.
- **Ms Rajlaxmi Sharma** (entrepreneurship workshop, December 2014), operates a beauty salon in the hostel area of IITGN campus since November 2015.

Skill Development

The NEEV programme expanded its activities to include vocational skill development in 2015-16. Field-visits to Palaj village were conducted on Nov 18 and 20, 2015, to gauge skills such as entrepreneurial skills, vocational skills, employability skills of the women. Building further on the interaction, around 10 women from the group got an opportunity to spend a day at the factory of M/s Cotton Route (Garment manufacturer, Vastral, Ahmedabad) through a factory tour initiated by the programme on Nov 25, 2015. From Jan 5, 2016 to March 12, 2016, 9 women from Palaj village participated in a 45-day stitching training project facilitated by the NEEV program in partnership with M/s Cotton Route (Garment manufacturer, Vastral Ahmedabad). After an initial training period of around two weeks, the women joined a team of people for stitching over 1000 curtains for IITGN hostels.

FACULTY ACTIVITIES

SPONSORED PROJECTS

PROJECTS SANCTIONED DURING 2015-16

- **Development of novel double hydrogen bond donor catalysts for asymmetric Diels-Alder reactions** sponsored by Department of Science & Technology. Principal investigator: **Prof Chandrakumar Appayee**, Chemistry
- **Grain boundary structure and transformations** sponsored by Department of Science & Technology. Principal investigator: **Prof Abhay Raj Singh Gautam**, Materials Science and Engineering
- **Flow improvement of fine and ultra-fine AP powder through surface modification using flow additives** sponsored by Defense Research & Development Organisation. Principal investigator: **Prof Chinmay Ghoroi**, Chemical Engineering
- **Water soluble glycosylated amphiphilic porphyrins: synthesis, photophysical, electrochemical studies and bio-imaging applications** sponsored by Science & Engineering Research Board. Principal investigator: **Prof Iti Gupta**, Chemistry
- **Disulfide-rich peptides as scaffold for the development of tau protein aggregation inhibitors in Alzheimer disease** sponsored by Department of Science & Technology. Principal investigator: **Prof Sharad Gupta**, Biological Engineering
- **Towards ultra-thin optical wavefront manipulation devices based on all-dielectric high-efficiency transmissive metasurfaces: demonstration of beam focusing and investigation of polychromatic designs** sponsored by Department of Science & Technology. Principal investigator: **Prof Ravi Hegde**, Electrical Engineering
- **Printed document security using intrinsic characteristics of imaging devices** sponsored by Board of Research in Nuclear Sciences. Principal investigator: **Prof Nitin Khanna**, Electrical Engineering
- **Enhanced single-molecule spectroscopy with tuned dipole antennas of end-to-end dimers of gold nanorods** sponsored by Science and Engineering Research Board. Principal investigator: **Prof Saumyakanti Khatua**, Chemistry
- **Bidirectional interaction between perception and motor control** sponsored by Welcome Trust - Department of Biotechnology. Principal investigator: **Dr Neeraj Kumar**, Cognitive Science
- **Integrating robotic gait training system with virtual reality for gait rehabilitation - a novel approach in neurorehabilitation** sponsored by Department of Science & Technology. Principal investigator: **Prof Uttama Lahiri**, Electrical Engineering
- **Theoretical investigations of carbohydrate-water interactions** sponsored by Science & Engineering Research Board. Principal investigator: **Prof Sairam Swaroop Mallajosyula**, Chemistry
- **Evolution of eukaryotic mobile genetic elements/ transposons** sponsored by Department of Biotechnology. Principal investigator: **Prof Shamistha Majumdar**, Biological Engineering
- **Multi-method approach to evaluate dissolution of engineered nanoparticles in a range of simulated environment for Nanosafety** sponsored by Science & Engineering Research Board. Principal investigator: **Prof Superb Misra**, Materials Science and Engineering
- **Implications of land cover/land use and climate changes on soil moisture variability in India** sponsored by Ministry of Environment and Forest. Principal investigator: **Prof Vimal Mishra**, Civil Engineering
- **Integration of perceptual and value-based decision making: A cognitive & computational**

approach sponsored by Department of Science & Technology. Principal investigator: **Prof Krishna Prasad Miyapuram**, Cognitive Science

- **Special manpower development project- Chips to system design (SMDP-C2SD)** sponsored by DEITY-CEERI - Department of Electronics & Information Technology-Central Electronics Engineering Research Institute. Principal investigator: **Prof Nihar Ranjan Mohapatra**, Electrical Engineering
- **The neural basis of motor learning** sponsored by Department of Science & Technology - Council of Scientific and Industrial Research. Principal investigator: **Prof Pratik Mutha**, Biological Engineering
- **Joint development of low cost automatic triaxial apparatus** sponsored by AIMIL Ltd. Principal investigator: **Prof Amit Prashant**, Civil Engineering
- **Extended depth of field imaging using coded camera architecture** sponsored by Indian Space Research Organization. Principal investigator: **Prof Shanmuganathan Raman**, Electrical Engineering
- **Harmonizing process safety standards** sponsored by American Institute of Chemical Engineers. Principal investigator: **Prof Rajgopalan Srinivasan**, Chemical Engineering
- **Role of predictive mechanisms in attention capture by action** sponsored by Department of Science & Technology. Principal investigator: **Prof Meera Mary Sunny**, Social Sciences

ONGOING SPONSORED PROJECTS

- **Heat transfer and visco-plastic flow based model for friction stir welding of copper- YSRA: Young Scientist Research Award** sponsored by Board of Research in Nuclear Sciences. Principal investigator: **Prof Amit Arora**, Materials Science and Engineering
- **Characterization of rotational seismic excitation** sponsored by the Department of Science and Technology. Principal investigator: **Prof Dhiman Basu**, Civil Engineering
- **Ethanol auto thermal reforming: design optimization through experimental and modelling studies** sponsored by the Department of Science and Technology. Principal investigator: **Prof Atul Bhargav**, Mechanical Engineering
- **Research collaboration agreement for natural evaporative effluent treatment** sponsored by Sagar Drugs and Pharmaceuticals Pvt Ltd. Principal investigator: **Prof Atul Bhargav**, Mechanical Engineering
- **Process efficiency and stability of auto thermal reformers in diesel-based marine fuel cell system** sponsored by Naval Materials Research Laboratory, DRDO laboratory. Principal investigator: **Prof Atul Bhargav**, Mechanical Engineering
- **Quantitative near- and mid-infrared wavelength modulation spectroscopy for gas sensing applications** sponsored by Department of Science and Technology. Principal investigator: **Prof Arup Lal Chakraborty**, Electrical Engineering
- **Rapid precipitation and stabilization of drug nanoparticles using ultrasonically-driven mixing device** sponsored by Department of Science and Technology. Principal investigator: **Prof Sameer V Dalvi**, Chemical Engineering
- **Aptamer-magnetic nanoparticle constructs for multiplexed detection of food-borne pathogens** sponsored by the Department of Science and Technology. Principal investigator: **Prof Bhaskar Datta**, Chemistry
- **Dynamics of self-sustained chemo-mechanical oscillations of active polymer gels** sponsored by the Department of Science and Technology. Principal investigator: **Prof Pratyush Dayal**, Chemical Engineering
- **Development of low-cost intelligent head-phones for improving social interactions of children with autism spectrum disorders** sponsored by the Department of Science and Technology. Principal investigator: **Prof Nithin V George**, Electrical Engineering
- **Dry coating of nano-additives for energy efficient cement clinkerization** sponsored by the Department of Science and Technology. Principal investigator: **Prof Chinmay Ghoroi**, Chemical Engineering
- **Photochemical and photophysical studies of donor-acceptor substituted aryl and heteroaryl polyenes** sponsored by Council of Scientific and Industrial Research. Principal investigator: **Prof Sriram Kanvah Gundimeda**, Chemistry
- **Carbaporphyrins within built arene moiety: their synthesis, characterization and metal coordination study** sponsored by the Council of Scientific and Industrial Research. Principal investigator: **Prof Iti Gupta**, Chemistry
- **Sediment dynamics and sediment connectivity in the Kosi basin: implications for river hazards** sponsored by International Centre for Integrated Mountain Development (ICIMOD). Principal investigator: **Prof Vikrant Jain**, Earth Sciences
- **Synthesizing single-atom thick inorganic**

nano sheets isomorphous to graphene by developing chemical exfoliation strategies for layered boron-based materials sponsored by Department of Science and Technology. Principal investigator: **Prof Kabeer Jasuja**, Chemical Engineering

- **How are context and health of older adults related incorporation of geospatial analysis into sociology of aging** sponsored by ICSSR. Principal investigator: **Prof Tannistha Samanta**, Social Sciences. Co- PI: **Prof Shivakumar Jolad**, Physics
- **Modeling spread of vector borne diseases in urban areas from a spatially interacting network perspective** sponsored by Science and Engineering Research Board. Principal investigator: **Prof Shivkumar Jolad**, Physics
- **Intelligent adaptive virtual reality based stroke rehabilitation platform for elderly**, DST-SEED sponsored by Department of Science & Technology- SEED. Principal investigator: **Prof Uttama Lahiri**, Electrical Engineering
- **Smart non-invasive health monitoring device for elderly** sponsored by IEEE Region10 Humanitarian Technology (HT). Principal investigator: **Prof Uttama Lahiri**, Electrical Engineering
- **Intelligent virtual reality based gaze-sensitive social communication system for children with autism spectrum disorder** sponsored by the Department of Science and Technology. Principal investigator: **Prof Uttama Lahiri**, Electrical Engineering
- **Post-stroke tele-neurorehabilitation using an operant conditioning paradigm under volitionally driven transcutaneous neuro-muscular electrical stimulation** funded by the Department of Science and Technology, and Institute National de Recherche en Informatiqueet en Automatique (INRIA) under the Indo-French Programme in Information and Communication Science & Technology (ICST). Principal investigator: **Prof Uttama Lahiri**, IITGN and **Dr Anirban Dutta**, Université Montpellier, France
- **Experimental studies of metastability in different synchronizers** sponsored by the Department of Science and Technology. Principal investigator: **Prof Joycee Mekie**, Electrical Engineering
- **Molecular-scale membrane curvature generation in protein-lipid systems: electro-statics and hyperphobicity** sponsored by the Department of Science and Technology. Principal investigator: **Prof Abhijit Mishra**, Materials Science & Engineering
- **Measurement to management (m2m): improved water use efficiency and agricultural productivity through experimental sensor network** sponsored by Media Lab Asia, Ministry of Communications & Information Technology. Principal investigator: **Prof Vimal Mishra**, Civil Engineering
- **River basin scale hydrological investigation & characterization using variable infiltration capacity (VIC) model** sponsored by the National Remote Sensing Center (NRSC), Hyderabad. Principal investigator: **Prof Vimal Mishra**, Civil Engineering
- **Hydrologic modeling and climate change impact assessment in the Ganga river basin** sponsored by the Ministry of Environment and Forest (MoEF), Government of India. Principal investigator: **Prof Vimal Mishra**, Civil Engineering
- **Statistical learning of category information: a neuro imaging investigation** sponsored by Cognitive Science Research Initiative of the Department of Science and Technology. Principal investigator: **Prof Krishna Prasad Miyapuram**, Computer Science and Engineering
- **Effects of device geometries and design rules on the performance and reliability of advanced MOS devices with high-Kgate dielectrics and metal gates** sponsored by the Department of Science and Technology. Principal investigator: **Prof Nihar Mohapatra**, Electrical Engineering
- **Motor adaptation and skill learning in Parkinson's disease** sponsored by Science and Engineering Research Board SERB. Principal investigator: **Prof Pratik Mutha**, Biological Engineering
- **Global stability analysis of spatially developing axisymmetric boundary layers** sponsored by Aeronautics Research and Development Board. Principal investigator: **Prof Vinod Narayanan**, Mechanical Engineering
- **A novel system-identification-based approach for understanding the deformability of DNA** sponsored by Department of Science and Technology. Principal investigator: **Prof Harish P M**, Mechanical Engineering
- **Delayed reconstruction of unknown inputs of dynamical systems** sponsored by the Department of Science and Technology. Principal investigator: **Prof Harish P M**, Mechanical Engineering
- **Microstructure studies of self-assembled Cu (In1xGax) Se2 (CIGS) Nanodots on ZnO thin film** sponsored by Council of Scientific and Industrial

Research - CSIR. Principal investigator: **Prof Emila Panda**, Materials Science and Engineering

- **Fabrication and a detailed microstructural films with ZnO buffer layer for the photovoltaic applications** sponsored by the Department of Science and Technology. Principal investigator: **Prof Emila Panda**, Materials Science and Engineering
- **Oxidation behavior of rare magnetic thin films** sponsored by DRDO, Principal investigator: **Prof Emila Panda**, Materials Science and Engineering
- **Short-term generation scheduling in power systems under uncertainty/intermittent characteristics of renewable energy sources (RES) and demands** sponsored by Department of Science and Technology. Principal investigator: **Prof Naran Pindoriya**, Electrical Engineering
- **Investigation of object motion categories in dynamic natural scenes and their applications** sponsored by the Department of Science and Technology. Principal investigator: **Prof Shanmuganathan Raman**, Electrical Engineering
- **CO_2 reforming of methane to generate syngas using nanostructured doped oxides and nanoporous aluminosilicates** sponsored by the Department of Science and Technology. Principal investigator: **Prof Sudhanshu Sharma**, Chemistry
- **Experimental & theoretical investigations of polymerization-grade ethylene synthesis** sponsored by the Department of Science and Technology. Principal investigator: **Prof Sudhanshu Sharma**, Chemistry
- **Development of a self-contained, PV-powered domestic toilet and wastewater treatment system** sponsored by Bill and Melinda Gates Foundation with a sub-contract from Caltech to IITGN. Principal investigator: **Prof Babji Srinivasan**, Chemical Engineering
- **Data-driven control loop performance assessment & diagnosis tool: implementation in waste-water treatment system** sponsored by the Department of Science and Technology. Principal investigator: **Prof Babji Srinivasan**, Chemical Engineering
- **Designing impact evaluations for Gram Varta under SWASTH, Bihar, India** sponsored by International Initiative for Impact Evaluation (3ie). Principal investigator: **Prof Malavika Subramanyam**, Humanities & Social Science
- **Colloidal particles self-assembly in liquid crystals** sponsored by the Department of Science and Technology. Principal investigator: **Prof Prachi Thareja**, Chemical Engineering

CONSULTING PROJECTS

PROJECTS SANCTIONED DURING 2015-16

- **Proof checking of structural design of SRFDCL house for Sabarmati river front project** sponsored by Sabarmati River Front Development Project. Principal investigator: **Prof Dhiman Basu**, Civil Engineering
- **Fluorimetric analysis of aqueous samples** sponsored by Environmental Resources Management (ERM). Principal investigator: **Prof Sriram Kanvah Gundimeda**, Chemistry
- **Validation of Wuji brainwave application** sponsored by Wuji Tech Inc. Principal investigator: **Prof Jaison Manjaly**, Humanities and Social Sciences
- **To assess the Fluvial flood risk to communities along Ghaghra river from Chisapani Station** sponsored by PAC – Practical Action Consulting. Principal investigator: **Prof Vimal Mishra**, Civil Engineering
- **Towards a regional drought monitoring and forecasting capability for the South Asia** sponsored by IWMI - International Water Management Institute. Principal investigator: **Prof Vimal Mishra**, Civil Engineering
- **Identification of climate vulnerability hot-spots in Meghalaya using high resolution climate projections** sponsored by Meghalaya Basin Development Authority. Principal investigator: **Prof Vimal Mishra**, Civil Engineering
- **Development of flood hazard model to design flood insurance product in Bihar** sponsored by International Water Management Institute. Principal investigator: **Prof Vimal Mishra**, Civil Engineering
- **Development of Electrical engineeing and Electronics laboratory at IITRAM** sponsored by IITRAM. Principal investigator: **Prof Naran Pindoriya**, Electrical Engineering
- **Consultancy regarding channelization of Gomti river-Proof checking of designs and drawings** sponsored by Gammon India Ltd. Principal investigator: **Prof Amit Prashant**, Civil Engineering
- **GPR study of two locations at Vadnagar** sponsored by Archaeology Survey of India. Principal investigator: **Prof Amit Prashant**, Civil Engineering

- **Workshop development at IITRAM** sponsored by IITRAM - Institute of Infrastructure Technology Research and Management. Principal investigator: **Prof N Ramakrishnan**, Mechanical Engineering
- **Survey of unrecorded alcohol (SURA-India)** sponsored by Sam Houston State University Principal investigator: **Prof Malavika Subramanayam**, Humanities & Social Sciences

ONGOING CONSULTING PROJECTS

- **Understanding surface properties of fine powders for DPI Application** for Wockhardt. Principal investigator: **Prof Chinmay Ghoroi**, Chemical Engineering
- **To provide assistance and guidance for the newly established Institute of Infrastructure, Technology, Research and Management (IITRAM)** for Government of Gujarat. **Prof Sudhir K Jain** is the Principal investigator and **Prof S P Mehrotra** the Convener and Nodal officer of IITGN for IITRAM Cell
- **Intel (R) Galileo course work development** for Intel Ltd. Principal investigator: **Prof Joycee Mekie**, Electrical Engineering
- **Applicability of Intel Atom processor for low-power computing systems and embedded applications** for Intel Higher education programme. Principal investigator: **Prof Joycee Mekie**, Electrical Engineering
- **Smart grid pilot project – UGVCL** for Uttar Gujarat Vij Company Ltd. (UGVCL), Gujarat. Principal investigator: **Prof Naran M Pindoriya**, Electrical Engineering
- **MMS SWIR magnet holding cage** for IGTR–RP. Principal investigator: **Prof N Ramakrishnan**, Mechanical Engineering
- **Low-cost automation system** for KONARK Group of Companies, Mumbai. Principal investigator: **Prof N Ramakrishnan**, Mechanical Engineering
- **Improving the present hydraulic system** for Peass Industrial Engineering Pvt Ltd. Principal investigator: **Prof N Ramakrishnan**, Mechanical Engineering
- **Productivity assessment & enhancement** for ACME Air Equipments Pvt Ltd, GIDC. Principal investigator: **Prof N Ramakrishnan**, Mechanical Engineering
- **District Human Development Report - Ahmedabad** for Gujarat Social Infrastructure Development Authority. Principal investigator: **Prof Tannistha Samanta**, Humanities and Social Sciences
- **Cost-benefit analysis of integrated scheduling and production control** for ABB Global Industries and Services Ltd. Principal investigator: **Prof Rajagopalan Srinivasan**, Chemical Engineering

AWARDS AND RECOGNITION

The following faculty members have received special awards and recognition from external bodies during 2015-16:

- **Prof Amit Arora** received the **Best Poster Award** at the Indo-UK workshop on Modelling and Simulation of Safety and Materials for Nuclear Applications, Dec 16-17, 2015.
- **Prof Sameer Dalvi** received the NASI - Young Scientist Platinum Jubilee Award for the year 2015.
- **Prof Anirban Dasgupta** received the **Best Newcomer Award** at the International Conference on Database Theory (ICDT) 2016 for the paper titled "A Framework for Estimating Stream Expression Cardinalities" jointly authored with Kevin Lang, Lee Rhodes and Justin Thaler.
- **Prof Arnab Dutta** received the **EMSL's 2014 MT Thomas Award** (Environmental Molecular Sciences Laboratory) for Outstanding Postdoctoral Achievement on Sep 30, 2015. He received this award in recognition of his scientific progress and research on bio-inspired molecular catalysts. Prof Dutta has also been awarded the **Ramanujan Fellowship** by the Department of Science and Technology, Government of India.
- **Prof Hari B Hablani** has been elected as Fellow of the Indian National Academy of Engineering.
- **Prof Alok Kumar Kanungo** received the **2016 INTACH Research Grant** (Indian Citizen) for Mapping Purdalpur: The Final Stage of one of the most Predominant Glass Bead Industry of the World. He also received the International Commission on Glass Publication Grant for 2015-16.
- **Prof Saumyakanti Khatua** of the Chemistry discipline and **Prof Virupakshi Soppina** of the Biological Engineering discipline have been awarded the **Ramanujan Fellowship** by the Department of Science and Technology, Government of India. The duration of the Ramanujan Fellowship is 5 years.
- **Prof Nihar Ranjan Mohapatra** has received

the **Young Faculty Research Fellowship** from the Department of Electronics and Information Technology (DeitY) of Ministry of Communications and IT, Government of India.

- **Prof Jyoti Mukhopadhay** has been appointed as part-time Director (non-official) on the Board of Mishra Dhatu Nigam Ltd (MIDHANI), Department of Defense Production, Ministry of Defense, Government of India.
- **Prof Pratik Mutha's** poster with his foreign collaborators won the **Best Poster Award** in the "Theoretical Motor Control" category at the Progress in Motor Control Conference held in Hungary, July 21-25, 2015. This work was co-authored by Hannah Lefumat, R Chris Miall, J L Vercher and Fabrice Sarlegna.
- **Prof D V Pai** has been elected as the President of the Indian Mathematical Society (IMS) for a period of one year.
- A research group from IITGN, led by **Prof Anand Sengupta**, contributed to the discovery of gravitational waves on Feb 11, 2016.The research group is participating in the LIGO Scientific Collaboration (LSC) under the aegis of Indian Initiative in Gravitational-Wave Observations (IndIGO) - a consortium of scientists from nine research institutes and universities in India, who have contributed to this discovery. The researchers at IITGN co-authored the landmark discovery paper along with 35 scientists from other IndIGO institutions.
- **Prof Virupakshi Soppina** received the **Ramanujan Fellowship** by the Ministry of Science and Technology, Department of Science and Technology (DST), New Delhi, Nov 23, 2015.
- **Prof Vineet Vashista** received the **INSPIRE Faculty Award** from the Department of Science & Technology.
- **Prof Siddharth Y Wakankar** has been selected by the Government of Maharashtra to receive **Mahaakavi Kaalidaasa Sanskrit Saadhanaa Puraskaara** for his distinguished contribution to Sanskrit research. This award is conferred on a scholar of Sanskrit who lives and works outside Maharashtra.

FACULTY EXCELLENCE AWARD

The following six faculty members were bestowed with the Faculty Excellence Award for the year 2013-14 and 2014-15, for their exemplary work in teaching, research and Institution building.

- **Prof K Ragavan**, Award for Excellence in Teaching Award for the year 2013-2014
- **Prof Chinmay Ghoroi**, Award for Excellence in Institution Building Award for the year 2013-2014
- **Prof Kabeer Jasuja**, Award for Excellence in Teaching Award for the year 2014-15
- **Prof Vimal Mishra**, Award for Excellence in Research Award for the year 2014-2015
- **Prof Pratyush Dayal**, Award for Excellence in Institution Building Award for the year 2014-2015
- **Prof Amit Prashant**, Award for Excellence in Outreach Award for the year 2014-2015

HONORARY WORK

Prof Amit Arora, Materials Science and Engineering

- Reviewer, ASME Manufacturing Science and Engineering Conference, 2016; International Journal of Advanced Manufacturing Technology; Transactions of the Indian Institute of Metals and Journal of Materials Processing Technology
- External Member, Doctoral Committee, Mr Gaurang Joshi, PDPU
- External Member, Doctoral Committee, Mr Rajesh S, PDPU
- External Member, Doctoral Committee, Mr Ankit Dilipkumar Oza, PDPU
- External Reviewer, Student Research Proposal, Pandit Deendayal Petroleum University

Prof Rupak Banerjee, Physics

- Statutory member, Oral board, Physical Research Laboratory (PRL), Ahmedabad for PhD defense examination of Mr Upendra Kumar

Prof Vinod Chandra, Physics

- Reviewer: Cambridge University Press, Book Chapters in Theoretical Physics; Proceeding Indian Academy of Science, Physical Sciences (Springer)
- Technical committee, IIIT Vadodara, Gandhinagar
- External examiner, MSc Physics, dissertations, PDPU, Gandhinagar

Prof Sameer Dalvi, Chemical Engineering

- Reviewer for following international journals: RSC Advances (published by Royal Society of Chemistry); Crystal Growth and Design (published by American Chemical Society); Langmuir (published by American Chemical Society); Organic Process Research and Development (published by American Chemical Society); Journal of Colloid and Interface Science (published by Elsevier); Drug Development and Industrial Pharmacy (published by Taylor and Francis)

Prof Arnab Dutta, Chemistry

- Observer for UGC-NET 2015 (Dec)

Prof Nithin V George, Electrical Engineering

- Reviewer for Journals: Applied Acoustics (Elsevier); Applied Soft Computing (Elsevier); IEEE Transactions on Very Large Scale Integration Systems; IEEE Transactions on Circuits and Systems II: Express Briefs; IEEE Transactions on Signal Processing; Circuits, Systems & Signal Processing (Springer); International Journal of Adaptive Control and Signal Processing (Wiley); International Journal of Electrical Power and Energy Systems (Elsevier); IETE Journal of Education; Signal Processing (Elsevier); Digital Signal Processing (Elsevier); Noise Control Engineering Journal (Institute of Noise Control Engineering); Journal of Medical and Biological Engineering (Springer); Journal of Low Frequency Noise, Vibration and Active Control (SAGE); Sadhana - Academy Proceedings in Engineering Science (IAS)
- Reviewer for Conferences: International Conference on Signal Processing and Communications 2016 (SPCOM 2016), IISc Bangalore; 22nd National Conference on Communications 2016 (NCC 2016), IIT Guwahati; 2016 IEEE International Conference on Industrial Technology (ICIT 2016), Taipei, Taiwan; IEEE International Symposium on Circuits and Systems (ISCAS 2016), Montreal, Canada; IEEE Recent Advances in Intelligent Computational Systems 2015 (RAICS 2015), Trivandrum; International Conference on Microwave, Optical and Communication Engineering 2015 (ICMOCE 2015), IIT Bhubaneswar; Second International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS-2015), Trivandrum; IEEE International Conference on Signal and Image Processing Applications 2015 (ICSIPA 2015), Kuala Lumpur, Malaysia; 2016 IEEE First International Conference on Control, Measurement and Instrumentation (CMI 2016), Kolkata
- Member, Doctoral Committee (Electrical and Electronics Engineering), Government Engineering College, Thrissur, March 28, 2016
- External Reviewer, Progress of doctoral candidates and PG students, Gujarat Technical University, March 23, 2016
- External Examiner (PhD Thesis): Universitat Politécnica de València, Spain, Nov 2015
- Member, Technical Programme Committee: 2016 IEEE First International Conference on Control, Measurement and Instrumentation (CMI 2016), Kolkata; 22nd National Conference on

Communications 2016 (NCC 2016), IIT Guwahati; Second International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS-2015), Trivandrum; IEEE Recent Advances in Intelligent Computational Systems 2015 (RAICS 2015), Trivandrum; 2015 International Conference on Computing and Network Communications (CoCoNet'15), Trivandrum

Prof Arup Lal Chakraborty, Electrical Engineering

- Session Chair and Technical Programme Committee member, 2nd IEEE Workshop on Advances in Photonics (WRAP 2015), IISc Bangalore, 16-17 Dec, 2015
- Reviewer of IEEE Sensors, Optics Letters, Optics Express, Applied Optics

Prof Chinmay Ghoroi, Chemical Engineering

- Guest Editor, Journal of Loss Prevention in the Process Industries (2014-15)
- Reviewer of Journal papers: Powder Technology (Elsevier); Journal of Thermal Analysis and Calorimetry (Elsevier); Journal of Solution Chemistry (Springer); Process Safety and Environmental Protection (Elsevier); Journal of Geophysics and engineering (IOP Science); Colloids and Interface B
- Member, Board of Studies, Chemical Engineering, Nirma University, Ahmedabad

Prof Hari B Hablani, Mechanical Engineering

- As an Adjoint Faculty Department of Aerospace Engineering and Applied Mechanics, Indian Institute of Engineering Science and Technology, Shibpur, West Bengal helped establish the newly initiated aerospace department; evolve courses and different streams for the UG and PG degrees; taught a one-week course in Satellite-Based Navigation, December 3-9, 2016
- Provided peer reviews of technical papers submitted for publication to:AIAA (American Institute of Aeronautics and Astronautics) Journal of Guidance, Control, and Dynamics; Acta Astronautica; and Defense Science Journal, a DRDO India Publication
- Provided peer review and guidance to Axiom Research Labs: Team Indus, Google Lunar X Prize Mission-Detailed Design Review

Prof Ravi Hegde, Electrical Engineering

- Member, External review committee for DST TSDP Project on "Designing a reflecting light microscope for 3D imaging of thick and irregular surface", PI Atindra Shukla, DD University, Nadiad
- Expert reviewer for DST SERB Proposals
- External Referee for international journals: PIER (Progress in Electromagnetics Research), Optics Express, Springer Plasmonics, Applied Optics

Prof Sudhir K Jain, Civil Engineering

- Member of the Board, Science and Engineering Research Board (SERB)
- Independent Director on the Board of the Gujarat State Petronet Limited (GSPL)
- Member, Site Selection Committee to assess suitability of land identified by the Government of Karnataka for setting up of an IIT in the state
- President, International Association for Earthquake Engineering (IAEE)
- Member, Board of Directors, Gujarat International Finance Tech City (GIFT)
- Member, Board of Directors, GIFT SEZ Limited
- Member, State Knowledge Advisory Board, Government of Andhra Pradesh
- Member, Board of Governors, Raksha Shakti University, Ahmedabad
- Member, Board of Governors, Pandit Dwarka Prasad Mishra-Indian Institute of Information Technology, Design and Manufacturing (PDPM-IIITD&M), Jabalpur
- Member, Board of Governors, Institute of Infrastructure, Technology, Research And Management, Ahmedabad
- Member, Court, Central University of Gujarat, Gandhinagar
- Member, Executive Council, Central University of Gujarat, Gandhinagar
- Member, Gujarat Urban Development Mission
- President, IIT Roorkee Alumni Association, Ahmedabad Chapter
- Member, Site Selection Committee to assess suitability of land identified by the Government of Goa for setting up of an IIT in the state

Prof Vikrant Jain, Earth Sciences

- Reviewer, Natural Hazards, June 2015
- Reviewer, Geomorphology, June 2015
- Reviewer, Arabian Journal of Geosciences, June 2015
- Reviewer, Catena, July 2015
- Reviewer, Journal of Earth System Science, July 2015
- Reviewer, International Journal of Earth Sciences, July2015
- Reviewer, Catena, Oct 2015

- Reviewer, Global and Planetary Change, March 2016
- Reviewer, Current Science, March 2016
- Invited for Workshop on Wild Riversorganized by WWF India at Mussoorie, March 2016

Prof Kabeer Jasuja, Chemical Engineering
- Reviewer for Scientific Reports (Nature Publishing Group)

Prof Mohan C Joshi, Mathematics
- Reviewer for various scientific publications
- Reviewer work of scientific plan of the academic year 2015-2016 as a member of scientific committee of the DST project entitled National Program on Differential Equations
- Review Committee Meeting of IITRAM, October 29, 2015
- Review Committee Meeting of IIT Jodhpur, June 30, 2015, and March 13, 2016

Prof Alok Kumar Kanungo, Archaeological Sciences
- Participated in 'Early Gun Powder, Guns and Gunnery' initial field investigations at Jalesar, Uttar Pradesh and Jaipur, Rajasthan, Feb-March 2016
- Council Member to select the Homi Bhabha Fellows, March 16, 2016

Prof Nitin Khanna, Electrical Engineering
- Reviewer for DST proposals
- Reviewer for journals: IEEE Transactions on Image Processing, International Journal on Document Analysis and Recognition (Springer), Journal of Information Security and Applications (Elsevier)
- Reviewer for conferences: for IEEE-ICASSP (International Conference on Acoustics, Speech and Signal Processing), Shanghai, China, 2016

Prof Sivapriya Kirubakaran, Chemistry & Bio-engineering
- Invited member of Research Progress Committee, Institute of Pharmacy, Nirma University, 2014 onwards
- Represented IITGN in Global Biotechnology Summit: Celebrating 30 years of DBT, Feb 4-5, 2016. New Delhi
- Invited reviewer for the Early Career Research Award, science and engineering research board, DST, Government of India

Prof Sharmita Lahiri, Humanities and Social Sciences
- Judge for Fulbright applications, United States Educational Foundation in India

Prof Mona G Mehta, Humanities andSocial Sciences
- External Examiner for PhD thesis, Faculty of Planning, CEPT University, Jan 2016
- Article Editor, Sage Open journal, Sage Publications, 2016

Prof Joycee Mekie, Electrical Engineering
- Steering committee member for the IEEE International Symposium on Asynchronous Circuits and Systems, 2016
- Technical program committee member of IEEE International VLSI Design and Test Symposium VDAT 2015
- Reviewer for IEEE Sensors Journal, ASYNC 2016, VDAT 2016, VLSI 2016

Prof Neeldhara Misra, Computer Science and Engineering
- Reviewer, Transactions on Algorithms (TALG); Algorithmica; Discrete Applied Mathematics; Journal of Algebraic Systems and Fundamenta Informaticae
- Programme Committee Member of International Joint Conference on Artificial Intelligence (IJCAI), 2016
- Reviewer for the Workshop on Graphs (WG), 2016 and for International Colloquium on Automata, Languages and Programming (ICALP), 2016

Prof Krishna Prasad Miyapuram, Cognitive Science
- Technical Programme Committee 2nd International Conference on Soft Computing & Machine Intelligence, 4th International Symposium on Computational & Business Intelligence, organized by Indian Neural Network Society, 2015
- Attended EU-India Focal Point Training Network, New Delhi, Dec 2015
- MSc Examiner, Center of Behavioural and Cognitive Science, Allahabad, Dec 2015
- Reviewer, NUiCone 2015, WCI 2015
- Invited as Associate Editor, Frontiers in Movement Science & Sport Psychology; Review Editor, Frontiers in Decision Neuroscience
- Grant Reviewer, Medical Research Council, UK
- Member, Board of Studies, Computer Science and Information Technology, Nirma University

Prof K V V Murthy, Electrical Engineering

- Member, Governing council committee & Academic council committee, NMAM Institute of Technology, Nitte, Udupi, Karnataka
- Member, Academic Advisory Board Meeting, Navarachana University, Baroda
- External examiner, PhD thesis at: Amrita Viswa Vidyapeetham, Bangalore; VTU, Bangalore; NMIMS, Mumbai

Prof Chetan Pahlajani, Mathematics

- Reviewer of paper submitted to the journal: Mathematics of Control, Signals, and Systems

Prof Souradyuti Paul, Computer Science & Engineering

- Programme Committees, 18th Annual International Conference on Information Security and Cryptology (ICISC 2015), Seoul, South Korea
- External reviewer, 36th International Cryptology Conference (Crypto 2016), Santa Barbara, USA

Prof Rosa Maria Perez, Humanities and Social Sciences

- Steering committee, European PhD Workshop on South Asian Studies
- Consultant, Europe-India Platform for Social Sciences and Humanities, EU
- Special Guest, United Nations Commission for Gender Equality and Women's Empowerment, UN
- Council, European Association for South Asian Studies (EASAS)
- Board of Advisors, South Asian Democratic Forum (SADF), EU

Prof Naran M Pindoriya, Electrical Engineering

- Member of Academic Council of Institute of Infrastructure, Technology, Research and Management (IITRAM) since June 2013
- Member of Board of Studies, Electrical Engineering at Parul University, Vadodara since April 2015
- Member of expert committee to review the process and implementation strategy of the Smart Grid Pilot Project - Uttar Gujarat Vij Co Ltd (UGVCL), Gujarat
- Member of Research Progress Committee (RPC) of PhD student, Institute of Technology, Nirma University, Ahmedabad
- Programme Committee Member in 1st International Workshop on Communication Applications in Smart Grid (CASG 2015), Bradford, UK
- External examiner for PhD thesis evaluation, MS University, Baroda

Prof V N Prabhakar, Archaeology

- Contributed four modules for the ePG-Pathshala launched by the MHRD in coordination with Prof Ravi Korisettar, Senior Fellow, Dr VS Wakankar Archaeological Research Institute, Dharwad and Prof Bhaskar Reddy, Sri Venkateswara University, Tirupati. Each module consists of e-text, further learning, self-learning and a PowerPoint presentation

Prof Shanmuganathan Raman, Electrical Engineering

- Reviewer for Journals: IEEE Transactions on Image Processing; IEEE Transactions on Computational Imaging; Pattern Recognition Letters; Multidimensional Systems and Signal Processing and for Sadhana - Academy Proceedings in Engineering Sciences IETE Technical Review
- Technical Programme Committee Member, 9th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), Kolkata, 2015
- Technical Programme Committee Member, 5th National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), IIT Patna, 2015
- Technical Programme Committee Member, 21st National Conference on Communications (NCC), IIT Guwahati, 2016
- Reviewer, 4th International Conference on Advances in Control and Optimization Of Dynamical Systems (ACODS), NIT Trichy, 2016
- Reviewer, International Conference on Computer Vision and Image Processing (CVIP), IIT Roorkee, 2016

Prof Tannistha Samanta, Humanities and Social Sciences

- Invited Member, International Editorial Board, Migration & Development, Routledge, London, 2015-2017
- Reviewer, The Journals of Gerontology: Series B (Social Sciences), Oxford Journals: 2015-2016
- Reviewer, Journal of Family Studies, Taylor & Francis: 2015-2016

- Convener, Summer Institute on Global Health & Development, May-June 2015 at IITGN in association with College of Arts & Science, University of Saskatchewan, Canada

Prof Anand Sengupta, Physics
- Reviewer for Third International Conference on Transformations in Engineering Education ICITEE, 2016
- Reviewer for Physics Education (IAPT), 2015
- Member of the National Organizing Committee and SOC of the IX International Conference on Oriental Astronomy to be held in Nov 2016

Prof Babji Srinivasan, Chemical Engineering
- Reviewer of journal articles AIChE, IEEE TCST, Industrial Engineering & Chemistry Research, Computers and Chemical Engineering, and Infrastructure Complexity

Prof Dilip Srinivas Sundaram, Mechanical Engineering
- Reviewer for journals: Combustion and Flame, and Computational Materials Science

Prof Prachi Thareja, Chemical Engineering
- Session Chair of "Self and Directed Assembly of Molecules and Particles -Delivery and Release" at 89th ACS Colloids Symposium 2015, Pittsburgh, USA

Prof Vijay Thiruvenkatam, Biological Engineering
- Invited member of Research Progress Committee (RPC), Department of Biochemistry, Charusat University, 2014 onwards
- Reviewer for Journal of Molecular Structures, Elsevier publication

Prof Vineet Vashista, Mechanical Engineering
- Reviewer for journals: IEEE Robotics and Automation Letters, Advances in Mechanical Engineering Journal and IEEE International Conference on Robotics and Automation

ACADEMIC LECTURES

In keeping with its goal of promoting a vibrant academic culture, the Institute encourages its faculty to deliver academic lectures on cutting edge research in India and abroad. The lectures delivered by various faculty members are as follows:

Prof Sanjaykumar Amrutiya delivered series of six lectures on **Algebraic Topology** in the **Annual Foundation School-II** held at Harish-Chandra Research Institute, Allahabad, June 29-July 25, 2015; and two lectures on **Preliminaries on Riemann surfaces and Riemann-Roch theorem** in the workshop on **Analysis and Topology** held at the M S University of Baroda, Aug 1-3, 2015. He also gave a talk on **Moduli of quiver representations and its applicationsin** the 81st Annual Conference of Indian Mathematical Society held at Visvesvaraya National Institute of Technology (VNIT), Nagpur, Dec 27-30, 2015.

Prof Amit Arora gave lectures on **Friction Stir Welding Research at IITGN**, Institute for Plasma Research, May 14, 2015; Expert talk on **Advances in Friction Stir Welding**, Pandit Deendayal Petroleum University, Dec 3, 2015; **Heat transfer and material flow modelling in joining processes**, "Samvaad" 1st State Level Multi-Disciplinary Symposium, Silver Oak Group of Institutes, Ahmedabad, Feb 11, 2016. Prof Arora was the keynote speaker and Guest of Honor at the 2nd International Conference on Multidisciplinary Research & Practice (ICMRP-2015), Ahmedabad Management Association, Ahmedabad, Dec 24, 2015.

Prof Rupak Banerjee gave a invited talk on **Growth and characterization of advanced functional nanomaterials** at International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI) Hyderabad, Dec 8, 2015.

Prof Atul Bhargav gave an invited lecture on **Experimental research and hydrogen safety measures at the IIT Gandhinagar Fuel Cell Laboratory**, Reliance Industries Limited, Mumbai, March 11, 2016.

Prof Vinod Chandra gave talks on **Properties of Quark-Gluon-Plasma produced in relativistic heavy ion collisions**, Physical Research Laboratory, Ahmedabad, Sep 24, 2015; **The hottest and the most fluid liquid created in Relativistic Heavy Ion Collisions**, IIT Delhi, Oct 30, 2015; plenary talk on **Momentum space anisotropy and heavy-quark dynamics in QGP medium** during CNT-QGP Meet 2015, VECC Kolkata, Nov 16-20, 2015.

Prof Sameer Dalvi delivered a lecture on **Publishing your paper** in a workshop on Writing Research Paper, Ganpat University, Jan 30, 2016.

Mr Michel Danino gave invited lectures on **Science & Technology in India: A historical narrative**, Institute of Technology, Nirma University, Aug22, 2015; **Harappan roots of some Indian knowledge systems** at Seminar on Intellectual Traditions of Ancient India, Centre for Ancient History & Culture, Jain University, Aug 27, 2015; **The Aryan issue**, a series of four lectures at Amrita Vishwa Vidyapeetham, Amritapuri, Kerala, Sep 10-11, 2015; **Science and Technology in Ancient India: Sanskrit based knowledge systems**, IIT Roorkee, Oct 16, 2015; **The problem of Harappan linear measures**, Indian Society for the History of Mathematics, IIT Bombay, Nov 14, 2015; **The riddle of the Sarasvati river**, Prof U P Shah Memorial lecture, Oriental Institute, Baroda, Jan 30, 2016. **Mr Danino** contributed five educational modules for the ePG-Pathshala launched by the MHRD. Each module consists of e-text, further learning, self-learning, and a PowerPoint presentation.

Prof Anirban Dasgupta gave lectures on **Sampling to estimate network parameters**, Yahoo Labs Sunnyvale, June 12, 2015; **Approximate Modularity, Workshop on Game Theory and Optimization**, IISc Bangalore, Jan 11, 2016; and in **Computer Science and Engineering** as Adjunct Faculty at IIT Kharagpur, Jan 2016 onwards.

Prof Pratyush Dayal gave a lecture on **Self-oscillating polymer gels** at ChEmference 2015 at IIT Hyderabad, Dec 5-6, 2015. Prof Dayal gave a lecture on **Predicting dynamic behavior of self-oscillating polymer gels using stability analyses** at Soft Matter Young Investigator's Meet (SMYIM) 2015, Puducherry, Dec 19, 2015.

Prof Atul Dixit gave talks on **Ramanujan, the Voronoi summation formula, circle and divisor problems and modular transformations** at the International Conference Special Functions and their Applications, Amity University, Noida, Sep 10-12, 2015; **Ramanujan, the Voronoi summation formula, circle and divisor problems and modular transformations**, National Workshop on Number Theory and Works of Srinivasa Ramanujan, University of Mysore, Feb 26, 2016; **Partitions associated with Ramanujan/ Watson mock theta function ω(q) and their overpartition analogues**, National Workshop on Number Theory and Works of Srinivasa Ramanujan, University of Mysore, Feb 27, 2016; **Overpartitions associated with the Ramanujan/Watson mock theta function ω(q)**, International Number Theory Conference (in the honor of Krishnaswami Alladi's 60thbirthday), University of Florida, Gainesville, USA, March 17-21, 2016; **Overpartitions associated with the Ramanujan/Watson mock theta function ω(q)**, Algebraic geometry and number theory seminar, Rice University, Houston, USA, March 22, 2016; **Zagier polynomials: their asymptotics and exact formulas; and Overpartitions associated with the Ramanujan/Watson mock theta function ω(q)**, University of Illinois at Urbana-Champaign, USA, March 29 &31, 2016.

Prof Nithin V George gave invited lectures on **An introduction to design of fuzzy inference systems** at National workshop on Nature Inspired Computing and Applications, April 5, 2015 and **Adaptive filters for noise cancellation** at Academy training programme on Adaptive Signal Processing: Theory and Applications, Malaviya National Institute of Technology, Jaipur, Feb 29, 2016; **Introduction to Adaptive Signal Processing** at short term training programme on Applied Digital Signal Processing, May 7, 2015, and **Introduction to Soft Computing** at workshop on Recent Trends in Image Processing and Soft Computing, BVM Engineering College, Anand, Sep 12, 2015; **Auditory hypersensitivity in children with autism spectrum conditions** at AUTISM: Use of Technology in Training and Rehabilitation Programme jointly organized by IIT Gandhinagar and BM Institute of Mental Health, Gujarat Knowledge Consortium, Ahmedabad, June 6, 2015; **Fundamentals of Adaptive Signal Processing** at short term training programme on Trends in Digital Signal Processing and its Industrial Applications, NYSS Rajiv Gandhi College of Engineering and Research, Nagpur, June 10, 2015; and **Optimization applications in design and modeling** at short term training programme on Optimization: Theory and Engineering Practice, Vishwakarma Government Engineering College, Ahmedabad, Dec 16, 2015.

Prof Chinmay Ghoroi gave lecture on **Fine powder flow under humid environmental conditions**, 6th Asian ParticleTechnology symposium, Sep 15-18, 2015, Seuol, Korea; and **Surface engineering of fine particles: improved processing of cohesive particulate solids**, 3rd Indo-German workshop on Advances in materials, reactions and separationprocesses, Feb 23-26, 2016, IIT Guwahati.

Prof Sharad Gupta gave ainvited lecture on **Short amyloidogenic peptides as inhibitors for aggregation prone proteins** in 5th Indian Peptide Symposium, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore, Sep 24-25, 2015.

Prof Hari B Hablani delivered a six-day course on **Spacecraft Absolute Navigation and Relative Navigation with Global Navigation Satellites System** at ISRO Devanahalli, Bengaluru, July 22-27, 2015. He delivered a 3-day course on **Differential GPS** at ISRO Space Application Center, Ahmedabad, under the auspices of Center for Space Science and Technology Education in Asia and the Pacific, affiliated to the United Nations, Sep 24-29, 2015. Prof Hablani gave keynote address on **Satellite-Based Navigation of Flight Vehicles**, ISRO Space Application Center, Ahmedabad, Feb 29, 2016; and **Satellite-Based Multi-Sensor Integrated Navigation of Atmospheric and Space Flight Vehicles and Submarines** at ISRO Inertial Systems Unit, Thiruvananthapuram, Kerala, April 22, 2016.

Prof Ravi Hegde gave a talk on **Designing optical nanoantenna arrays**, IIT Bombay, Feb 11, 2016.

Prof Sudhir K Jain delivered the 15th Mallet-Milne Lecture on **Earthquake safety in India: achievements, challenges and opportunities**, London, May 26, 2015; and 26th Dr L S Chandrakant Memorial Lecture at the **8th ISTE Karnataka State Level Annual Faculty Convention**, Bangalore, Nov 6-7, 2015. Prof Jain was a speaker at the **Annual Gas Day** at Adani Gas Limited, Ahmedabad, Dec 18, 2015. Prof Jain was a keynote speaker in the seminar on "Challenges in Earthquake Resistant Design

of Buildings & Structures", Indian Association of Structural Engineers, New Delhi, Sep 4-5, 2015

Prof Vikrant Jain gave a lecture on **Western India: Some important geomorphic research questions?** At MoES sponsored brain storming session on **Quaternary Geology Of Western India: Present Status And Future Perspectives** at Kachchh University, Bhuj, Jan, 2016.

Prof Kabeer Jasuja gave a talk on **Graphene analogous nanomaterials in energy storage** in the National Conference on Nanotechnology in Agriculture, Energy and Medicine, Centre for Nano Sciences & University Industry Interface Cell (UIIC), Central University of Gujarat, Gandhinagar, Gujarat, March 11-12, 2016.

Prof Mohan C Joshi gave a series of lectures on **Control Theory** in Advanced Level Workshop, under the auspices of National Programme on Differential Equations, DST, at BITS Goa, June 8-13, 2015; **Applications of Mathematics** at Phase II, Summer School on Basic Engineering Topics, IIT Gandhinagar, June 22, 2015; **Basic theory of linear integral equations** at Advanced Level Workshop on Integral Equations- Solvability Analysis, National Programme on Differential Equations, DST, at Jaypee University of Information Technology, H P, Oct 19-25, 2015; **Monotone operators, solvability and variational analysis** at Advanced Level Workshop Variational Inequalities and PDE , National Programme on Differential Equations, DST at Sharda University, Noida, Jan 24-26, 2016.

Prof Alok Kumar Kanungo gave a lecture on **Ethnoarchaeology: Its advantages and limitations in department of anthropology**, Savitribai Phule Pune University, Sep 10-12, 2015. He presented the paper **The German Anthropologists on the Naga Hills** at National Seminar on Cultural Heritage of Nagaland, Kohima Science College, Kohima, Nagaland, Sep 29-30, 2015; and **Contextualizing the Museum Collections and Oral Tradition: The Nagas** at Oral Traditions: Continuity and Transformations Northeast India and South East Asia, Shillong, Meghalaya, INTACH, Ambedkar University (New Delhi) and Lady Keane College (Shillong), Feb 1-4, 2016.

Prof Nitin Khanna delivered invited lecture on **Multirate Signal Processing, 2D Transforms and Digital Image Forensics** at the TEQIP sponsored short course on **Applied Digital Signal Processing**, IIT Gandhinagar, Dec 8-12, 2015.

Prof Sivapriya Kirubakaran gave invited lectures on **Targeting DNA Damage/ Repair pathways: Towards novel therapeutics for cancer**, IIT Jodhpur, Sep 29, 2015; **Chemical biology of diseases**, DEBEL, Bangalore at DRDO headquarters, Dec 22, 2015; and **DNA Damage/ Repair pathways: Targeted Cancer therapy** at 22nd International conference of Chemistry& Biology, Uka Tarsadia University, Surat, Feb 8, 2016. Prof Kirubakaran gave a plenary lecture on **H *pylori*: A carcinogen or Pathogen** at 3rd National Symposium, Institute of Pharmacy, March 28, 2016.

Prof Rita Kothari was invited on a panel discussion on **Partition: The Long Shadow**, India International Centre, New Delhi, Oct 9, 2015. She gave talk on **After the Divide: Languages, Territories, South Asia** at the conference on Language and Minority, Hyderabad Central University, Oct 15-17, 2015; and **Medley of Languages** (In conversation with Prof Jonathan Gil Harris and Prof Probal Dasgupta), Worli Studios, Mumbai, Jan 28, 2016. As a keynote speaker she gave a talk on **Languages of the Sacred**, Grappling with the Sacred Conference, IIT Madras, Jan 18, 2016. Prof Kothari was one of the Panelists, **Reading In Other Words** at Jaipur Literature Festival 2016. Prof Kothari was also invited as a resource person and speaker at various sessions in the Jaipur Literature Festival, Jan 24, 2016. She moderated sessions on **The Kalam of Shah Abdul Latif and Temples of Pakistan** at the literature festival.

Prof Surjeet Kour gave a invited talk on **Simple derivations on tensor product of polynomial algebras** at Shiv Nadar University on Nov 9, 2015.

Dr T S Kumbar, librarian gave talks on **Negotiation of e-resources: A win-win situation** in the 11th Annual meet & workshop of INDEST-AICTE Consortium jointly organized by IISER Mohali & INDEST-AICTE Consortium (IIT Delhi) at IISER Mohali , April 29-30, 2015; **Life-cycle of e-resources, licensing and negotiation of e-resources** in the three-day training programme on E-resources Management organized by INFLIBNET Centre, Aug 12-14, 2015; **IPR & Copyright issues in creating and managing of institutional repository** in the advanced training programme on ICT applications for libraries organized by INFLIBNET Centre Gandhinagar, Sep

7-27, 2015; **Effective communication skills for librarians** at capacity building programme of National Mission on Libraries, organized by INFLBNET Centre, Gandhinagar, Dec 14-18, 2015; **Resource guides: Connecting users with library resources** in the global conference on Emerging Trends in Business Librarianship organized jointly by IIM Ahmedabad and Indian School of Business (ISB), Hyderabad held in Ahmedabad , Dec 2-4, 2015 (co-presenter Viral Asjola and Manu T R. This presentation was adjudged as the best presentation).

Prof N R Ladhawala delivered a lecture on **Differentiation; mean value theorem** at Silver Oak College of Engineering and Technology, Ahmedabad, Feb 11,2016.

Prof Sharmistha Majumdar gave a talk & presented a poster on **The evolution of a transposase: why do some genesjump?** at the 8th Young Investigators' Meeting (YIM) 2016, organized by India Bioscience, NCBS at Gurgaon, Feb 27-March 2, 2016.

Prof Angus McBlane gave a invited lecture on **Publishing Research Papers: Quality, Plagiarism, Citation, Editing, Repute** at the national workshop on Research Paper Writing, Ganpat University, Jan 29-30, 2016.

Prof Mona G Mehta was invited to be a discussant for a workshop on **Smart cities: Urban utopias or future of cities?**, Faculty of Planning, CEPT University, May 8, 2015; **Dynamics of poverty, inequality and violence in Indian cities: Towards inclusive policies and planning**, Centre for Urban Equity (CUE), CEPT University, Oct 17, 2015. Prof Mehta gave a talk on **Ahmedabad: the middleclass megacity**, SIT Study Abroad, IHP-Cities in the 21st Century, People, Planning and Politics, Ahmedabad, Nov 6, 2015 & Jan 26, 2016; **Publishing process, a personal journey, and The craft of interpretive methods**, at Fellow Programme in Management, Indian Institute of Management, Ahmedabad, Feb 12 &Feb 15, 2016.

Prof Joycee Mekie gave talks on **Research in VLSI Design**, Parul Institute, Vadodara, May 13, 2015; **An overview of Asynchronous circuit design**, and **Network on chip architectures**, STTP on Recent developments in VLSI and Image processing, VGEC Gandhinagar, May 5, 2015; Panel member for discussion on **Women Engineer and Career**, WIE special track, IEEE Symposium of VLSI Design and Test, June 27, 2015; **Research overview in multi-core architectures**, Research scholars meet of TEQIP colleges, IPR, Nov 5, 2015; and **ASSOC: Asynchronous-Synchronous On-chip networks**, International Project Workshop on Network on Chip, MNIT Jaipur, Dec 12, 2015.

Prof Neeldhara Misra gave a lecture on **An introduction to computational social choice** at the workshop on Game Theory and Optimization, IISc Bangalore, Jan 12, 2016.

Prof Krishna Prasad Miyapuram gave a talk on **Science behind consumer decisions**, RMAI Rural Conclave, New Delhi, May 8, 2015; **Use of ICT in technical education**, Government Polytechnic, Himatnagar, Dec 29, 2015; **Computational methods for analyzing neuroimaging data**, NNMCB workshop, IISER Kolkata, Jan 10, 2016; and **Pattern recognition using machine learning**, Nirma University, March 30, 2016. He was the key resource person at workshop on **Methods in functional Neuroimaging methods**, IIT Kanpur, July 4, 2015.

Prof Pranab K Mohapatra gave talk on **Automation and simulation in the water management: Use of IT in hydraulic engineering for achieving such goal** at brainstorming workshop on IT based curriculum development in water, School of Civil engineering, KIIT University, BBSR, Dec 19, 2015; and **Flow past a spur dyke on a rigid bed meandering river** at International symposium on river flow-2016 organized by Civil Engineering Department, National Institute of Technology, Rourkela, India, Feb 25, 2016.

Prof Rosa Maria Perez was a panel expert at the 9th European PhD Workshop in South Asian Studies, SASNET-Swedish South Asian Studies Network, Lund University, Sweden, May2015. She gave a talk on **The vanished empire: Indian nationalism and decolonization through women voices** at 2nd Congresso International de Interlocuções com a Ásia (LIA), São Paulo, Brazil, Sep 2015; **Anthropology at the margins: Social stratification in India**, EU-India Platform for the Social Science and Humanities, Indian Council of Social Science Research, New Delhi, Oct 2015; **Women's Silences, Women's Voices at the bottom at the Indian society**, Commission for Gender Equality and Womens' Empowerment, United Nations, New York, March 2016.

Prof Chetan Pahlajani gave talks on **Stochastic averaging for randomly perturbed Hamiltonian systems**, TIFR Mumbai, June 23, 2015; **A randomly perturbed DC/DC converter**, IIT Bombay, Dec 21, 2015. **Prof Naran M Pindoriya** delivered an invited talk in ISTE -STTP on **Applications of modern power electronics in industries and utilities**, Institute of Technology, Nirma University, June 15-27, 2015; in TEQIP II STTP on **Simulation and modeling in power system engineering** at SVNIT, Surat, Dec 28, 2015-Jan 1, 2016.

Prof Pedro Manuel Sobral Pombo delivered a talk on **Narrating ruins: Landscapes of belonging and the remains of history in a southern Mozambican district** at International Conference Aluta continua, 40 years after. Entangled Histories And Legacies Of Empire In Southern Africa, French Institute of South Africa (IFAS), Wits Institute for Social and Economic Research (WiSER), Johannesburg, Nov 5-6, 2015; and **Ethnography as research methodology** at Centre for Comparative Literature, School of Humanities, Hyderabad University, March 5, 2016.

Prof V N Prabhakar delivered lectures on **Conservation of historic buildings, history of conservation-a global perspective**, and **Conservation issues of Pitalkhora caves** at Structural Conservation Camp for PGDA students of Institute of Archaeology, New Delhi held at Kangra Fort, Himachal Pradesh, July 17, 2015; and **Recent advancements in understanding the Harappan civilization: scientific techniques in interpretation** as a part of Special Lecture Series on Science and Natural Heritage, Nehru Memorial Museum and Library, Aug 9, 2015.

Prof Amit Prashant gave talks on **Soil liquefaction and design of structures in India**, Seminar on Challenges in Earthquake Resistant Design of Buildings & Structures, Indian Association of Structural Engineers, New Delhi, Sep 5, 2015; **Introduction to soil dynamics**, Nirma University, Oct 6, 2015; **Geophysical exploration in geotechnical investigations**, SVNIT Surat, Oct 17, 2015; and Foundations on weak soils, ACCEI, Goa, Nov 21, 2015.

Prof Tannistha Samanta gave a talk on **The Numbers Game: The census and the politics of counting people**, Census Dissemination Workshop, Central University of Gujarat, Sep 23, 2015; **Gender and Aging: Perspectives from India**, International Association of Gerontology & Geriatrics (IAGG), Asia/Oceania, Chiang Mai, Thailand, Oct 20, 2015.

Prof Anand Sengupta gave an invited talk on **High throughput computing using Pegasus Environment** at LSC Boot Camp at IUCAA, Pune, May 2, 2015; plenary talk on **Listening to the Cosmic Symphony: search for gravitational waves** at IITBHU, Jan 10, 2016 as part of the event Jigyasa 2016; lecture on **Gravitational waves - a new window to the Universe** at CHARUSAT University, Jan 17, 2016; lecture at IET, Ahmedabad University, Feb 19, 2016. Prof Sengupta spoke on **The discovery of Einstein's messengers from merging blackholes** at the colloquium at M S University, Baroda on National Science Day, Feb 29, 2016; and a special lecture on **The discovery of GW150914 from merging binary blackholes** at Physical Research Laboratory to mark Einstein's Birth Anniversary, March 12, 2016.

Prof Sandipan Sengupta gave a talk on **Non-singular space-times with horizons: An alternative to black holes?** at FTAG (Field Theoretic Aspects of Gravity), S N Bose National Centre for Basic Sciences, Kolkata, Feb 22-26, 2016.

Prof Gaurav Srivastava gave a talk on **Structural Fire Engineering at IIT Gandhinagar** in the International workshop on Fire Research, IIT Madras, Feb 5, 2016.

Prof Malavika Subramanyam gave an invited talk on **Measurement and scaling** at the Gujarat Knowledge Consortium, Feb 24, 2016.

Prof Prachi Thareja gave a talk on **Self-assembly and rheology of colloidal particles in liquid crystals** at COMP FLU, IISER Pune, Jan 2, 2016.

Prof Vijay Thiruvenkatam gave a lecture on **Structure elucidation and analysis using single crystal X-ray diffraction** at the workshop on single crystal XRD, IIT-Jodhpur, Sep 28-29, 2015; and on **Polymorphism in Active Pharmaceutical Ingredients (API)** at Defense Bioengineering and Electromedical Laboratory(DEBEL), Bangalore, Dec 22, 2015.

OTHER FACULTY ACTIVITIES

Prof Anirban Dasgupta was the programme committee member of: International Joint Conference on Artificial Intelligence (IJCAI) 2016; Conference on Knowledge and Data Discovery (KDD) 2016;

Conference of the World Wide Web (WWW) 2016; Conference on Web Search and Data Mining (WSDM) 2016; and Conference on Information and Knowledge Management (CIKM) 2015.

Prof Arnab Dutta was one of the volunteers in **Science day celebrations 2016** (under Sarva Shiksha Abhiyan). He was the coordinator for **Foundation programme 2016** and is Institute industrial trip coordinator since Sep 2015. He is working as Chemistry discipline faculty application coordinator since Jan 2016.

Prof Mohan C Joshi was the National Coordinator of workshops on Integral Equations- Solvability Analysis at Jaypee University of Information Technology, Oct 19-25, 2015; and Variational Inequalities and PDE at Sharda University, Jan 24-28, 2016. Prof Joshi was a resource person for Study Group Meeting on Industrial problems, Sponsored by NPDE (DST), MS University, Baroda, March 10-14, 2016.

Prof Alok Kumar Kanungo has designed a three module course on Ancient Indian Technologies and have been teaching the first two modules. Organized an international workshop on **History, Science and Technology of Stone Beads** during Aug 10-14, 2015. Prof Kanungo led the archaeological excavation at the Saurath Harappan and Medieval site of Bhagatrav (BagaTalav), Bharuch, Gujarat during April 8 - May 24, 2015.

Prof Harish P M was a member of the international programmes committee for the 2016 Indian Control Conference held in Hyderabad, during Jan 4-6, 2016. He was the member of the Conference Editorial Board for IEEE Control Systems Society, 2015-2016.

Prof Sharmistha Majumdar attended the 5thRamalingaswami Conclave at the Regional Centre for Biotechnology, Faridabad, Dec 18-20, 2015. **Prof Angus McBlane** was a participant at **Border and Borderlands in Fact and Fiction**, Department of Germanic and Romance Languages, University of Delhi, Jan 11-15, 2016. He gave a public lecture on **Shadows in Will, Choice, and Knowledge** at IITGN, Feb 18, 2016.Prof McBlane was the Co-coordinator/ Co-Instructor with Mr Atul Singh for the course on **Voices of the World**, UN Foundation, Fair Observer, & IITGN at IITGN, March19-20, 2016.

Prof Rosa Maria Perez chaired the session on **Goa: Cultures, Languages and Literatures, International Symposium**, Goa International Centre, Goa, Jan2016.

Prof Pedro Manuel Sobral Pombo was the member of the Selection Committee, admissions for summer internships at ISCTE- IUL, Lisbon, March 2016; Member of Scientific Committee of the International Conference Circulations: the (un)making of Southern Africa beyond and across borders, Johannesburg, South Africa, Nov 2016. Prof Pombo participated in the **Art, Culture and Heritage: a Management perspective** held at Centre for Heritage Management, Ahmedabad University, Feb 1-6, 2016; and in the UGC-SAP 2nd National Young Researchers' workshop on **Researching the Lived Experience(s): Ethnography and Beyond** at Research Scholars Forum, University of Hyderabad, March 4-5, 2016.

Prof Tannistha Samanta was invited to be an **External Thesis Examiner** at the Centre for Environmental Planning & Technology (CEPT), Ahmedabad, 2015-2016.

Prof Anand Sengupta organized TEQIP workshop at IIT Gandhinagar on **Research and UG education** during Aug 2015.Hecoordinated the Fulbright Specialist Programme under which IITGN invited **Prof Umesh Garg** to visit IIT Gandhinagar, Aug 3-20, 2015.

Prof Dilip Srinivas Sundaram was the coordinator for the event **Mechanical Engineering Programme Review and Outreach** held on Jan 30, 2016 at IITGN to foster industry-academia relationships.

Prof Vineet Vashista was the member of the judging panel of Tech Leaps Edition 1 and 2. Tech Leaps is an initiative undertaken by IIT Gandhinagar to foster and promote technical culture and innovation among students which provides an opportunity for students to fetch Rs 1 Lac and develop their prototype on the basis of their innovative idea(s).

Prof Arup Lal Chakraborty organized a one-week course titled Tunable Diode Laser Spectroscopy for Sensing - Principles and Applications at IITGN during 1-5 February, 2016 within the MHRD framework of the Global Initiative of Academic Network (GIAN). The lectures were delivered by **Prof Walter Johnstone** from the University of Strathclyde, Glasgow, UK, the foreign expert for the

course and by Prof Arup Lal Chakraborty. A total of 21 participants were shortlisted from a pool of professionals, research scientists from government labs, academicians and students from local and national educational institutions. The participants were affiliated to institutions such as the DEBEL-DRDO Bangalore, IIT Madras, MS University, Baroda, SRM University, Chennai, Government Engineering College, Gandhinagar, University of Engineering & Management, Kolkata, College of Engineering Guindy-Anna University, Chennai, University of Engineering & Management, Jaipur.

PATENTS FILED

- A cost-effective microcontroller-based health monitoring device that can non-invasively measure ones physiological indices, e.g., diastolic and systolic blood pressure, hemoglobin, pulse rate, etc has been developed and a patent application has been filed by **Prof Uttama Lahiri** and her students, **Dhaval Solanki** and **Poojan Oza**.
- Another cost-effective home-based device **SmartEye**, a gaze-based diagnostic & prognostic tool for stroke patients and also used for operant-conditioning for Visuo-motor Balance Therapy has been developed and a patent application has been filed by **Prof Uttama Lahiri** and her collaborators, **Dr Anirban Dutta** (INRIA, France) and **Dr Abhijit Das** (Director, Institute of Neurosciences, Kolkata).

PUBLICATIONS

BOOKS

- **Jain, Sudhir K**; Brzev, Svetlana; Bhargava, L K, ; **Basu, Dhiman**; **Ghosh, Indrajit** and **Ghaisas, Kunal Vinayak***, *Confined masonry: for residential construction*. Gandhinagar, IN: Indian Institute of Technology, Gandhinagar, 2015, ISBN: 978-93-5258-078-1.
- **Kanungo, Alok**, *Mapping Indo-Pacific beads vis-a-vis Papanaidupet*. New Delhi, IN: Aryan Books International, 2015, ISBN: 9788173055478.
- **Kothari, Rita (Tr)**, *Fence (Arab Mehta, Ila)*. New Delhi, IN: Zubaan Books, 2015, ISBN: 9789383074877.
- **Kothari, Rita**, *Questions in and of language*. Perspectives in Indian Development, New Series 47. New Delhi, IN: Nehru Memorial Museum and Library, 2015, ISBN: 9789383650637.
- Suryanarayana, Narsipur V and **Dalvi, Sameer V**, *Engineering heat and mass transfer*. Mumbai, IN: Penram International Publishing, 2015, ISBN: 9788187972945.
- **Vinod, V**, *Handbook on ancient Indian coins: a study*. Kerala, IN: Unma Publications, 2015, ISBN: 9788189415105.

BOOKS EDITED

- Berndt, Bruce C; **Dixit, Atul**; Reuter, Victoria J; Xu, Ping and Yuttanan, Boonrod ed, *Ramanujan at elementary levels: glimpses*, Tiruchirappalli, IN: Ramanujan Mathematical Society, 2016.
- Jeusfeld, Manfred A and **Karlapalem, Kamalakar**, ed., *Advances in conceptual modeling*, Cham, CH: Springer International Publishing, 2015, ISBN: 978-3-319-25747-1
- Kapoor, Kapil and **Danino, Michel**, ed., *Knowledge traditions & practices of India*: textbook for class XII, New Delhi, IN: Central Board of Secondary Education, 2015.
- **Manjaly, Jaison A** and Indurkhya, Bipin, ed., *Cognition, experience and creativity*, New Delhi, IN: Orient Blackswan, 2015, ISBN: 9788125057314
- **Mehrotra, Surya Pratap** and Sah, Prajapati Prasad, ed., *The fourth IIT: the saga of IIT Kanpur* (1960-2010), Haryana, IN: Penguin Books India Pvt Ltd, 2015, ISBN: 9780670088256

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- Adhitya, Arief; Halim, Iskandar and **Srinivasan, Rajagopalan**, "Dynamic simulation based assessment of supply chain sustainability", in *Computer Aided Chemical Engineering*, DOI: 10.1016/B978-0-444-63472-6.00015-X, Elsevier, 2015, pp 385-399.
- **Chawla, Manisha*** and **Miyapuram, Krishna P**, "Influence of previous choice and outcome in a two-alternative decision-making task", in *Neural Information Processing*, DOI: 10.1007/978-3-319-26535-3_53, Springer International Publishing, Nov 2015, pp 467-474.
- **Das, Bireswar**; **Enduri, Murali Krishna*** and **Reddy, I Vinod***, "Logspace and FPT algorithms for graph isomorphism for subclasses of bounded tree-width graphs", in WALCOM: *Algorithms and Computation*, DOI: 10.1007/978-3-319-15612-5_30, Cham: Springer International Publishing, 2015, pp 329-334, ISBN: 978-3-319-15611-8.
- Jariwala, Rushi; Patidar, Rohan and **George, Nithin V**, "A Levy interior search algorithm for chaotic system identification", in Mendel 2015: *Recent Advances in Soft Computing*, DOI: 10.1007/978-3-319-19824-8_11, vol 378, Springer International Publishing, 2015, pp 137-147, ISBN: 9783319198231.
- **Kirubakaran, Sivapriya** and **Thiruvenkatam, Vijay**, "Diverse applications of Nanotechnology in Biomedicine, Chemistry, and Engineering", in *Handbook of Research on Diverse Applications of Nanotechnology in Biomedicine, Chemistry, and Engineering*, DOI: 10.4018/978-1-4666-6363-3.ch001, IGI Global, 2015, ISBN: 9781466663633.
- **Kothari, Rita**, "Names are for other people's language: revisiting language and translation in India", in *Agency and Patronage in Eastern Translatology*, Newcastle: Cambridge Scholars Publishing, 2015, pp 111-126, ISBN: 9781443878777.
- **Mukherjee, Sumitava***; **Manjaly, Jaison A** and **Kumar, Neeraj***, "Role of money in creative cognition", in *Cognition, Experience and Creativity*, New Delhi, IN: Orient Blackswan, 2015, pp 231-243 ISBN: 9788125057314.
- **Reddy, Srinivas**, "Make it Telugu: legitimizing patron, author and text", in *Agency and Patronage in Eastern Translatology*, Newcastle: Cambridge Scholars Publishing, 2015, pp 127-142, ISBN: 9781443878777.
- **Singh, Umesh***; **Patan, Ameer*** and **Padhiyar, Nitin**, "Kinetic study of Bechamp process for Nitrobenzene reduction to aniline", in *Chemical and Bioprocess Engineering: Trends and Developments*, Boca Raton: CRC Press, 2015, pp 75-89, ISBN: 9781771880770.
- **Thomas, Pooja***, "Museum as metaphor: the politics of an imagined Ahmedabad", in *Media and Utopia: History, Imagination and Technology*, Routledge, 2015.
- **Wakankar, Siddharth Y**, "Prachin Bhartiya Ganjifa (in Marathi)", in *Gauri Gouravam/Festschrift in Honor of Dr Gauri Mahulikar*, Mumbai: Mohiniraj Enterprises, Aug 2015, pp 482-493.

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- **Kumar, Manish**; Whittaker, A S and Constantinou, M C, "Seismic isolation of nuclear power plants using sliding bearings", *Multidisciplinary Center for Earthquake Engineering Research* (MCEER), University at Buffalo and State University of New York, US, Technical Report MCEER-15-0006, Dec 2015.
- **Samanta, Tannistha**; **Jolad, Shivakumar**; **Gundi, Mukta*** and **Subramanyam, Malavika**, "District human development report-Ahmedabad - 2015", *Indian Institute of Technology Gandhinagar, District Collector, Ahmedabad and Gujarat Social Infrastructure Development Board, Government of Gujarat*, Gandhinagar, IN, 2015.

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- **Aadhi, A***; Vaity, Pravin; Chithrabhanu, P; Salla, Gangi Reddy; Prabakar, Shashi and Singh, Ravindra P, "Non-coaxial superposition of vector vortex beams", *Applied Optics*, DOI: 10.1364/AO.55.001107, vol 55, no 5, Feb 2016.
- **Agnihotri, Harsha#**; **Paramasivam, Mahalingavelar#**; Mande, Hemant; Ghalsasi, Prasanna and **Kanvah, Sriram**, "Amino substituted 4-pyridylbutadienes: synthesis and fluorescence investigations", *Dyes and Pigments*, DOI: 10.1016/j.dyepig.2015.08.018, vol 123, pp 341-348, Dec 2015.
- **Agnihotri, Harsha#**; **Paramasivam, Mahalingavelar#**; **Palakollu, Veerabhadraiah*** and **Kanvah, Sriram**, "Photoisomerization of trans ortho-, meta-, para- nitro diarylbutadienes: a case of regioselectivity", *Photochemistry and Photobiology*, DOI: 10.1111/php.12504, vol 91, no 6, pp 1324–1331, Nov/Dec 2015.
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STUDENTS ACTIVITIES

CO-CURRICULAR ACTIVITIES

CAMPUS PLACEMENTS 2015

Of the 85 undergraduates who sought campus placements, 65 students were successful in securing placements of their choice. Of the 29 MTech students who have registered for placement, 14 students were successful to secure the placement of their choice. The organizations that offered campus placements for the outgoing undergraduate batch in 2015 include Avanti, Bharat Forge, Bombardier Transportation India Pvt Ltd, BPCL, Cognizant Technology Solutions, CQRA, DRDO, eClerx Services Ltd, Flipkart, Fundamental Eduventures, Future First Info Services Pvt Ltd, GridAnts, GSFC Ltd, Hospira Healthcare, ITC Infotech, Kanha Plastics, Linde, Mahindra and Mahindra Ltd, Maruti Suzuki Ltd, Parul Group of Institutes, R Systems, Reliance Industries Ltd, TATA Motors Ltd, TATA Power Ltd, The Indian Steel & Wire Products Ltd (ISWPL), Texas Instruments, and Toppr.

The highlight of the placement season was that the maximum package was offered by GridAnts, a company started by IITGN alumni and initially supported by the IITGN incubation center.

SUMMER INTERNSHIPS 2015

Nearly 200 IITGN students did their internships in universities, research institutes, PSUs and various industries during the summer of 2015. One hundred and sixteen of these students did their internship at Indian academic and research institutions such as A2 Innovation and Training Institute, Ashoka University, Bhabha Atomic Research Centre (BARC), Centre for Social Studies (Surat), CEPT University, Gujarat Environmental Management Institute, Indian Institute of Management Ahmedabad (IIMA), Indian Institute of Science Education and Research (IISER), Thiruvananthapuram, Indian Institute of Technology BHU, Indian Institute of Technology Bombay, Indian Institute of Technology Gandhinagar, Indian Institute of Technology Guwahati, Indian Institute of Technology Hyderabad, Indian Institute of Technology Kanpur, Institute for Plasma Research (IPR), Gandhinagar, National Institute of Advanced Studies, North East Institute of Science and Technology (NEIST), Council of Scientific and Industrial Research (CSIR), Jorhat, Physical Research Laboratory (PRL), Rajasthan University, Jaipur, Rapid Manufacturing Lab, IIT Bombay, Shiv Nadar University.
Fifty-seven students did their internships at foreign universities such as A*STAR Singapore, California Institute of Technology (Caltech) USA, Case Western Reserve University USA, Clemson University USA, Duke University USA, Experimental Power Grid System (EPGC), ASTAR, Singapore, EPIR Technologies - Bolingbrook, IL, USA, Institute of Chemical & Engineering Sciences, Juroug Island, Singapore, ISCTE-Lisbon

University Lisbon, Istituto di Scienza e Tecnologie dell'Informazione "A Faedo" (ISTI), Japan Advanced Institute of Science and Technology (JAIST), Japan, National University of Singapore, Singapore, Otto-von-Guericke-Universität Magdeburg, RWTH Aachen, Texas A&M University, USA, Underwriters Laboratories, Chicago, USA, University of Alberta, Edmonton, Canada, University of Notre Dame, USA, University of Southern California, USA, University of Washington, USA, University of Texas Southwestern Medical Center, USA, Washington University, USA. Twenty-nine students spent their summers in industries such as Almashines, Bharat Heavy Electrical Ltd, CD-Adapco India Pvt Ltd, Bangalore, DCM Shriram Consolidated Ltd, Delhi metro India, GAIL (India) Limited, Hero MotoCorp Ltd, Indian Railway, Indian River Advisors Corporation, ITC Ltd, Jindal Steel and Power Limited, J-PAL, Jaipur, Keller Ground Engineering, L&T, Ranoli, Mahindra & Mahindra Ltd, Mohali, Microsoft, Nielsen, Bangalore, Rakshak Foundation (NGO), Rann Riders, Dasada, Gujarat, Reliance Industries Ltd, Steel Strong Valves (India) Pvt Ltd.

EXTRA-CURRICULAR ACTIVITIES

AMALTHEA

The 6th edition of **Amalthea**, the annual technical summit of IITGN, was held during Oct 24-25, 2015. The theme of this edition was **Towards the future**. **Mr R K Sharma**, executive director and the head of the Institute of Reservoir Studies, ONGC inaugurated the conclave. His inaugural address was on the topic **Building sustainable future through vision and technology**. An exhibition on **Energy and eco-friendly technologies** and a symposium on Bio-engineering were also organized.

JASHN

The 5th edition of the intra-college cultural extravaganza, **Jashn**, was held from Nov 5- 8, 2015. The event provided numerous opportunities for entertainment and showcasing talent, including solo-participation competitions like Shoot on Site (Photography) and team events like Labyrinth (Treasure Hunt). They also hosted informals (Live Angry Birds, Minute to Win it), stage events, debates, and a variety of games. With the wide range of exciting activities, Jashn had something for everyone.

UDAAN: THE FAREWELL DINNER

The formal farewell dinner for the graduating students was organized on April 11, 2015. The event featured speeches from students, faculty members and a medley of musical performances by faculty and students. Some of the faculty members including **Prof Sudhir K Jain, Prof Amit Prashant, Prof N Ramakrishnan, Prof Jaison Manjaly** and **Prof K Ragavan** addressed the students and shared their experiences with the graduating class. The evening concluded with a sumptuous dinner for the entire IIT Gandhinagar family.

SANJEEVANI

A health and medical camp aptly named **Sanjeevani** was held on Feb 6-7, 2016 in IIT Gandhinagar. This is a joint venture of **Nyasa: A social initiative of IIT Gandhinagar** and the Boston-based **Desai Foundation**. The camp was inaugurated by Health

Commissioner of Gujarat **Mr J P Gupta**. More than 1400 villagers from Palaj and Basan, on-campus construction workers, housekeeping staff and security personnel took part in the health camp. A team of around 30 student volunteers and some faculty members from IIT Gandhinagar were involved in the planning and execution of the event.

INTRA-COLLEGE EXTEMPORE COMPETITION

An Intra-college Extempore Competition **Speak Up** was organized on Jan 17, 2016 by the Literary Club of IITGN, Palantir. The first, second and third positions were bagged by **Akhil Pathnik, Saurabh Vaichal** and **Mayank Khewaria**, respectively.

IGNITE 2.0

IITGN's intra-institute technological festival **Ignite 2.0** held on March 17, 2016, showcased various projects developed by the students and faculty. The projects ranged from entertainment and fun games such as shootout with laser guns, robot car racing, competition on making structures on water, to hardcore science projects such as CFD analysis of vertical axis wind turbines, hydrogen generation from diesel and others. The event was organized by **Akhil Patnaik, Abhinav Singh, Dinesh Borse** and **Ajinkya Tupkar Jain**.

BLITHCHRON 2016

The 8th edition of **Blithchron**, the inter-college fest of IIT Gandhinagar was organized during Jan 30-31, 2016. It witnessed a footfall of approximately ten thousand people. Blithchron'16 had two stellar musical nights on campus. The fest also featured a variety of events such as Antaragnee (the street play competition), String Theory (the clash of bands), Synchronize (the group dance competition), Euphony (solo-singing competition), Mr & Miss Blithchron (talent show), The Butler Did it (where you play detective), Jobless (a mock interview competition) and Panache (the fashion show).

WINTER CARNATIONS

On January 23, 2016, the students of IIT Gandhinagar organized **Winter Carnations 2016**. This event is an annual tradition that aims to facilitate informal interaction among all members of the IITGN. This year, the event was held in the Institute's Palaj campus for the first time. Adopting the Indian Silver Screen as its theme, Winter Carnations 2016 was an evening filled with lively music, appetizing food and entertaining events.

CHIMERA

On Jan 22, 2016, the **Chimair** hostel of IIT Gandhinagar hosted Chimera - an open-stage night. It was a first of its kind of event hosted by any hostel at IITGN. The motive behind having this event was to bring all students together. The event was specifically aimed at encouraging students to present their talent on stage. Group performances from individual hostels were also a part of the event.

SPECIAL OCCASIONS

69TH INDEPENDENCE DAY CELEBRATIONS

The **69th Independence Day** celebrations held at Palaj campus began by hoisting of the flag by the director, **Prof Sudhir K Jain**. On this occasion, 64 students who featured on the **Dean's List 2014-15** (Semester II) by securing an SPI of 8.5 or more, were felicitated with a letter of appreciation and a book (**In the light of what we know** by Zia Haider Rahman). This was followed by a cultural programme that included music performances, dance, drama and poetry recitation. The drama **Mumbai Chodo** by Abhinaya, the Drama Club, was received very well by the audience.

HINDI DIWAS 2015

IITGN celebrated **Hindi Diwas** on September 14, 2015 at its Palaj campus. The two-hour long event was inaugurated by the director, **Prof Sudhir K Jain**, and was attended by faculty, staff and students of the institute. The programme included poetry recitation, riddles, and a short play by the students on the theme of Heer-Ranjha.

SADBHAVANA DIWAS

Sadbhavana Diwas is observed nation-wide on August 20 every year to promote national integration and communal harmony among people of all religions, languages and regions. On this occasion, a pledge for unity and harmony was taken by all faculty and staff members.

INTERNATIONAL DAY OF YOGA

IITGN observed the International Day of Yoga on June 21, 2015. A large number of students, faculty and staff members took part in the programme. In his introductory speech, the director **Prof Sudhir K Jain** referred to the Prime Minister's address to the UN General Assembly and said that the ancient tradition of yoga is India's gift to the world and that its significance has increased in the present time. **Mr Hemant Shah**, a yoga instructor, demonstrated various asanas and elaborated on their history and specific benefits. Videos from the Ministry of AYUSH were also shown to the participants.

CONSTITUTION DAY CELEBRATION

The Institute observed the **First Constitution Day** on Nov 26, 2015. All the students, faculty and staff members present read aloud the Preamble of the Constitution of India. **Prof Mona Mehta** explained the importance and the process of drafting of the Constitution.

IITGN CELEBRATES MOTHER TONGUE DAY

Students, staff and faculty of IITGN came together to celebrate the linguistic diversity of India on the occasion of International Mother Tongue Day that was held on Feb 21, 2016. Students belonging to various regions of India presented songs and poems in their local language and dialect. The Institute also exhibited a book stall having a collection of many languages like Sanskrit, Bengali, Urdu, Gujarati and Hindi.

REPUBLIC DAY CELEBRATIONS

The 67th Republic Day celebrations were held at the permanent campus for the first time on Jan 26, 2016 began with the flag-hoisting by the director, **Prof Sudhir K Jain**. This was followed by the felicitation of a total of 90 students who featured on the **Dean's List** based on their performance during Semester I of Academic Year 2015-16. The students were given a letter of appreciation and a book. The event concluded with a cultural programme.

AWARDS

AWARDS AND RECOGNITION

- **Neeraj Kumar**, a research scholar in cognitive science, has won the **Wellcome Trust/DBT India Alliance** fellowship of Rs 1.41 crore. He will carry out research pertaining to the design of novel rehabilitation approaches for people with neurological disorders such as strokes. He will spend three years at IITGN and two years at McGill University, Canada, and Haskin Labs of Yale University, USA. The Wellcome Trust/DBT India Alliance is a GBP 80 million initiative funded by Wellcome Trust, UK, and the Department of Biotechnology, India. It aims to build excellence and support potential scientific leaders in the area of biomedical engineering research.
- **Alpana Thorat** received the Best Poster Award for her poster titled **Nucleation - A Transition State to the Directed Assembly of Materials: Faraday Discussion** organized by the Royal Society of Chemistry in Leeds at Beckett University, UK, March 30-April 1, 2015.
- **Rishabh Jain** won second position for his presentation on **Smart villages: Technological Solutions** at the National Level Competition conducted by the Institution of Engineering & Technology (IET). A total of 5 participants (winners from five regions of India) among 1300 qualified for the finals held at Bangalore on Aug 31, 2015. The award function was graced by **Mr N R Narayanamurthy**, founder, Infosys; **Prof William Webb**, president, IET; **Dr Gopichand Katragadda**, CTO, Tata Sons; and **Mr T V Ramachandran**, ex-director Vodafone, who felicitated the winners.
- **Goldy Yadav, Neeraj Kumar, Rushik Thumar** and **Prof Pratik Mutha**, won the **Best Poster Award** for **Paced respiratory exercise enhances retention of motor skills** in the 2nd Annual Conference on Cognitive Science, held at IIT Kanpur, July 5-8, 2015.
- **Ms Abheeti Goyal**, a MTech student has been selected for the **2016-17 Shell India PhD Scholarship**.
- **Abheeti Goyal** and **Sumit Singh** bagged the first and second **Best Paper Awards** respectively at the 7th Symposium on **Applied Aerodynamics and Design of Vehicles** (SAROD), Thiruvananthpuram, Dec 5, 2015.
- **Abhishek Upadhyay**, a PhD student, was awarded the **Overseas Research Experience Fellowship** by IITGN to undertake a 6-month research stint at the University of Strathclyde, Glasgow starting Aug 2015.
- A project proposal by **Mr Franklin Kristi** on **Flower Power, Solar Lamp and Oven** is one of the three first prize winners of the **Bionik-3D-Printing Challenge** sponsored by the Bionik-Netzwerk Hessen and the Association of German Industrial Designers.
- **Gaurav Sharma**, became the first BTech student of IITGN to complete graduation in 7 semesters. He completed the requirements early and would be awarded BTech degree in Mechanical engineering with a minor in management. The institute provides such flexibility to students to complete the 4-year BTech programme in 3.5 years. Currently Gaurav is working with a startup called Cretif, incubated at IIT Gandhinagar's Incubation Center.
- **Deekshi Angira**, a PhD student received the first **Best Poster Award** at the **3rd Nirma Institute of Pharmacy International Conference** (NIPiCON-2016), Nirma Institute of Pharmacy, Ahmedabad, Jan 21-23, 2016. She was also one of the four recipients for the **Best Posters** presented at **RSC West India Section Meeting of Research Scholars-2016**, Gujarat Forensic Sciences University, Gandhinagar, March 19, 2016.
- **Sunny Verma** received the **Best paper presentation award** at 2nd IEEE International conference on Human Computer Interaction (ICHCI'16) held at Saveetha University, Chennai, March 10-11, 2016.

STAFF EXCELLENCE AWARD

The following seven staff members were bestowed with the Staff Excellence Award for the year 2015, for their exemplary devotion to the duty: **Ms Jasbir Kaur Thadani**, Counsellor; **Mr Harish Singh**, Assistant Security Officer; **Ms Panna Chaudhary**, Sr Library Information Assistant; **Mr Darshan Patel**, Junior Assistant; **Mr Jignesh Patel**, Junior Lab Assistant; **Mr Dinesh B Desai**, Junior Lab Attendant; and **Mr Nayan Vaghela**, Office Attendant.

CASH AWARD FOR RESEARCH PUBLICATIONS

In its 9th meeting held on March 28, 2013 the Board of Governors had approved a cash award scheme to incentivize undergraduate and postgraduate students for papers published in peer-reviewed journals. The following students were given cash awards during the year 2015-16:

Name of the Student	Programme	Amount (in Rs)
Pallavi Chilka	PhD	25,000
Krittika Ralhan	PhD	12,500
Rashmi Bhakuni	PhD	25,000
Sanat Chandra Maiti	PhD	25,000
Saroj Kumar Das	PhD	12,500
Siddharth Vijay Kulkarni	PhD	25,000
Amita Bedar	MTech (Alumnus)	12,500
Ayushi Patel	BTech (Alumnus)	12,500
Sudiksha Sridhar	BTech (Alumnus)	12,500
Sudipta Das	PhD	25,000
Harsha Agnihotri	PhD	29,166
Praseetha E K	PhD	12,500
Anuj Bisht	PhD	25,000
Silky Agrawal	MTech (Alumnus)	25,000
Akarsh A	PhD	25,000
Satya Sivanaresh	PhD	25,000
Abhishek Upadhyay	PhD	25,000
Pardeep Kumar	PhD	25,000
Vinal Patel	PhD	25,000
Punitkumar Bhavasar	PhD	25,000
Madhu K	PhD	25,000
Laya	PhD	50,000
Krupa Shah	PhD	25,000
Chandresh Sharma	MTech (Alumnus)	12,500
Mohit D Ganeriwala	MTech	25,000
Jyoti Maheshwari	MTech	25,000
Apoorv Patwardhan	BTech (Alumnus)	12,500
Rohan Patidar	BTech (Alumnus)	12,500
Payel Chattopadhyay Mukherjee	PhD	25,000
Chetan Chandan Singh	PhD	12,500
Darshan Ajmera	MTech (Alumnus)	25,000
Krishna Kumar Saxena	MTech (Alumnus)	12,500
Abhishek Navarkar	BTech (Alumnus)	25,000
Rajesh Patidar	BTech (Alumnus)	25,000

SPORTS NEWS

LEAGUE OF FOOTBALL PLAYERS

The **Blue Falcons** under the captaincy of **Aditya Ganesh** won the trophy by defeating **Club Gallantos** captained by **Hydar Ali**. The hard-fought match was decided on penalties by a score line of 4-2 after both teams had scored a goal each in regulation time. A total of 4 teams played the knock-out matches from April 1-22, 2015. The event was coordinated by **Ankit Bhange, Vaibhav Joshi** and **Aditya Ganesh**. The following individual awards were given away:

Best player - **Ojas Joshi**
Top scorer - **Ojas Joshi**
Best goalkeeper - **Prathamesh Badve**
Emerging talent - **Ahamed Naji**

CRICKET COMBAT LEAGUE

Ten teams participated in the intra-college cricket tournament held during Jan to April 2015. The Red Titans under the captaincy of **Chinmay Ajnadkar** successfully defending their score of 48 runs to defeat the Golden Eagles led by **Rahul Khandait**. **Pawan Kumar**, who scored 134 runs and bagged 11 wickets, was declared the best overall player while **Nikhil Sharma** was declared the best bowler for his 13 wickets. **Himanshu Bikonia** emerged as the best batsmen for his tally of 132 runs. The event was coordinated by **Yash Mehta, Vishvendra Singh, Chinmay Ajnadkar**, and **Pawan Kumar**.

KHEL MAHAKUMBH

IITGN Men's Basketball team, won the District Level **Khel Mahakumbh** tournament, held at BAPS School, Gandhinagar by defeating BSF. Besides receiving a cash award of Rs 48, 000 the entire team has been given the opportunity to participate in the upcoming State Level tournament. **Nikhil Sharma** secured second place in **Table Tennis** at District Level **Khel Mahakumbh** tournament.

JUSTICE LEAGUE

The **Table Tennis team** defeated IITRAM (3-1) and bagged the winner's trophy at the **Justice League** organized by Gujarat National Law University, Jan 25, 2016.

DISHA CUP 2016

Disha Cup 2016, a cricket tournament was organized

during Feb 20-21, 2016 with the view to motivate the IITGN Support staff. A total of 6 teams participated in the tournament. **Mr Mohnish Parmar**, international cricketer and a player of the IPL Kolkata Knight Riders team was the guest of honour. **IITGN Suraksha** team (Security Department) emerged as the winners of the tournament. **IITGN Rakhrakhav** team (Maintenance Department) were the Runners Up. **IITGN Urja** team (Mess) received the **Fair Play Award**. **Mr Amar Chand** was adjudged as the **Best Player of the Tournament and Man of the Match** (62 not-out in the final match and a total of 143 runs and 3 wickets in the tournament).

OTHER SPORTS NEWS

- **Nisha Rawat** won the gold medal in the **50 m breast-stroke** event (0:46:31 seconds) at the **31st Inter-IIT Aquatics Meet** held at IIT Madras, Oct 1-4, 2015.
- The IIT Gandhinagar **Table Tennis (men) team** defeated DAIICT by 3-1 while the **Volleyball (women) team** defeated PDPU by 2-0 and bagged the champion's trophy at the **Concours Cup tournament** held at DAIICT, Gandhinagar, Oct 29-Nov 1, 2015.
- The IIT Gandhinagar **Chess team** won the **gold medal** at **Shaurya Cup 2015** held at IIM Ahmedabad by defeating DAIICT in a tie breaker. The **Table Tennis team** won a silver medal.
- **Gaurav Sharma** qualified for the half-marathon (21 km) and received a medal at the **Run Gandhinagar Run Marathon** organized by Gandhinagar Runners and supported by Gujarat Tourism, Government of Gujarat, Jan 31, 2016. The event witnessed participation of more than 2500 people from all over the country.

INTER-HOSTEL SPORTS TOURNAMENT

An **Inter-hostel Sports Tournament** was organized for the first time in IIT Gandhinagar during Sep 1-13, 2015. The vision of the tournaments is to create a strong sense of belonging among the students for their hostels and to identify new players for the various sports teams of the institute. The tournament received tremendous participation. The results of the tournaments are summarized below:

Hostel Name	Athletics	Basketball	Football	Table Tennis	Volleyball	Highest Percentage Registration	Total
Beauki	6	4	4	0	0	0	**14**
Chimair	10	10	6	6	4	4	**40**
Emiet	4	6	10	10	10	0	**40**
Firpeal	0	0	0	4	6	0	**10**

The Overall Championship trophy was shared among the two teams.

Results at a glance:

Athletics Championship : **Chimair**
Basketball Championship : **Chimair**
Football Championship : **Emiet**
Table Tennis Championship : **Emiet**
Volleyball Championship : **Emiet**
Overall Championship : shared between **Chimair** and **Emiet**

EXTERNAL RELATIONS

COLLABORATIVE RESEARCH

DUKE UNIVERSITY TIES UP WITH IITGN FOR COLLABORATIVE RESEARCH

As a step forward in realising the joint declaration of intent signed between MHRD and USAID for providing support to IITs, with IIT Gandhinagar identified as the initial partner, a 4-day event was organized at IIT Gandhinagar in partnership with Duke University, RTI International, and USAID during Jan 5-8, 2016. With IITGN's strong vision to become a top institute, and Duke University's extensive experience (ranked #20 worldwide, according to The Times Higher Education World University Rankings for 2016), the two schools immediately found common ground for collaborative research, student exchanges, and joint engagement of private sector partners.

During their visit, the 15-member delegation from Duke and RTI International worked with IITGN faculty and staff to develop new research projects, improve IITGN capacity in critical areas, and discuss potential industry partnerships. The delegation was led by **Prof Larry Carin**, Duke's Vice Provost for Research, and included **Ms Kathryn Stevens**, USAID Acting Mission Director, **Ms Sheila E Desai**, USAID India senior science and technology advisor, **Ms Laura Brinn**, Executive Director, Global Communications; **Ms Minnie Glymph**, Director of Communications & Marketing, Pratt School of Engineering, Duke University, and others.

PARTICIPATION IN VIBRANT SAURASHTRA

IITGN participated in the **Vibrant Saurashtra Expo and Summit 2016** organized by the Government of Gujarat during Jan 8-10, 2016 in Rajkot. The prime focus of Vibrant Saurashtra 2016 was inclusive development in key areas such as Innovation, Sustainability, Industries, Technology, Youth & Skill Development, Knowledge Sharing and Networking. IIT Gandhinagar showcased technologies, innovation and entrepreneurship initiatives that were well received by visitors at the stall.

REACHING OUT

- A IITGN team comprising **Prof Sudhir K Jain**, director, **Prof Achal Mehra**, dean of strategic planning and special initiatives, **Prof Amit Prashant**, dean of academics, and **Mr Ravi Mistry**, executive director of the IITGN Foundation USA, visited several US universities and organizations in Washington DC, Boston, Durham and New York from May 11-14, 2015 to explore possibilities of collaborations. The team visited USAID, the US India Business Council and John Hopkins University in Washington DC metro; Babson College and Olin College in Boston; Duke University, Research Triangle International, First Flight and Palmetto Biomedical in Durham, North Carolina; and Columbia University and The New School in New York. The team also engaged with well-wishers and donors of the Institute in New York and New Jersey on May 15 and 16, 2015. Prof Jain and Mr Mistry attended the **Indispora Forum 2015** in Washington DC from May 8-10, 2015.
- **Prof Sudhir K Jain**, director, and **Mr Ravi Mistry**, executive director, IITGN Foundation in USA met with friends and well-wishers of the Institute in Dallas on July 21, 2015 and in Houston on July 22, 2015. The event at Dallas was facilitated by **Ms Neelima Gonuguntla**, president, US-India Chamber of Commerce, Dallas Fort Worth, Texas while the event in Houston was hosted by **Mr Mihir** and **Mrs Vaishali Mody**.
- Prof Jain, Mr Mistry and Prof Mehra represented IITGN at the **IIT Global Leadership Conference**, San Jose, California, July 24-25, 2015. Prof Jain participated on a panel on **Innovations in Higher Education**. Prof Jain and Mr Mistry met with a number of executives, entrepreneurs, and investors and hosted a meeting of IITGN's US-based alumni at Santa Clara on July 23, 2015. Prof Jain also visited California Institute of Technology and signed a 3-year agreement for student exchanges. **Mr Pramod Kunju**, president, PAN IIT Alumni Association, Southern California organized an event **Chai pe Charcha - Raising the Bar in Engineering Education** for Prof Jain to share the IITGN story with well-wishers of the Institute.
- **Prof Harish J Palanthandalam Madapusi** and **Prof Pratik Mutha** visited Boston to represent IIT Gandhinagar at the **Young Investigator's Meeting 2015** held during Oct 10-12, 2015 at the Massachusetts Institute of Technology. The meeting serves as an interactive platform for young scientists to learn about the evolving academic scenario in India. In this context, Prof Harish and Prof Mutha spoke about the exciting opportunities that exist at IITGN and also discussed more broadly, the dynamics of starting an academic career in India.
- **Prof Sudhir K Jain**, director attended the **Visitor's Conference 2015** at the Rashtrapati Bhavan during Nov 4-6, 2015. Prof Jain attended the **Development Dialogue and Yuva Summit**, Hubballi, Feb 5-7, 2016. Prof Jain also attended the **International Seminar on Emerging Building Materials and Construction Technologies** organized by Building Materials & Technology Promotion Council (BMTPC), Government of India, March 21, 2016.
- **Prof Amit Prashant** dean of academic affairs and Prof K Chelva Kumar, visiting professor, visited Colombo, Sri Lanka during Feb 24-28, 2016 to meet with the High Commissioner of India in Colombo and also to interact with students of local engineering colleges to attract students to the Institute.

MoUs

IITGN has been continually building relationships with organizations and individuals both in India and abroad, to support its varied activities and help the Institute grow. The following Memoranda of Understanding (MoU) were signed in 2015-16:

INTERNATIONAL MoUs

Organization/Institution	Objective
California Institute of Technology (Caltech), USA	Undergraduate Student Exchange Programme
Wheels Global Foundation Inc (WGF), USA	To create overall social and economic impact in rural communities in India by leveraging IITGN's and WGF's capabilities and resources
United States Agency for International Development (USAID) and Karmany Connect	Encouraging students to work as development professionals to increase the quality, technological competence and expertise of research and entrepreneurship to solve India's development challenges

NATIONAL MoUs

Organization/Institution	Objective
Archaeological Survey of India (ASI), New Delhi	Documentation, sampling, testing, interpretation of archaeological samples from Dholavira
Institut Francais en Inde, New Delhi	French language classes
KHS Machinery Pvt Ltd, Ahmedabad	To encourage collaborative research with leading industries around the globe for providing technological innovation
Institute of Infrastructure, Technology, Research and Management, Ahmedabad (IITRAM), Ahmedabad	To assist in curriculum and laboratory development and in faculty recruitments
Space Applications Centre, Indian Space Research Organization, Department of Space, Government of India, Ahmedabad	For IRNSS navigation receiver field trial and data collection

SUMMER & WINTER INTERNSHIPS IN 2015

FOREIGN INSTITUTIONS

Host Institution	Student Name	Discipline
Agency for Science, Technology and Research, Singapore	Sanchayni Bagade	Chemical Engineering
	Sweta Parmar	Chemical Engineering
	Vaibhav Palkar	Chemical Engineering
	Ritika Jain	Electrical Engineering
	Chinmay Ajnadkar	Electrical Engineering
	Sanjit Jena	Mechanical Engineering
	Sumit Singh	Mechanical Engineering
California Institute of Technology (Caltech), USA	Gaurav Gupta	Electrical Engineering
	P V S Anurag	Mechanical Engineering
	Nirmal Jayaprasad	Mechanical Engineering
	Ritwik Shukla	Mechanical Engineering
	Samarth Vaijanapurkar	Mechanical Engineering
	Margaj Om Vijay	Mechanical Engineering
Case Western Reserve University, USA	Raj Shekhar	Electrical Engineering
Clemson University, USA	Divyansh Tripathi	Mechanical Engineering
Duke university, USA	Alok Singh	Electrical Engineering
EPIR Technologies, Chicago, USA	Rajat Chaudhary	Electrical Engineering
	Yash Mehta	Electrical Engineering
ISCTE, University Institute of Lisbon, Portugal	Haby Koshy Mathew	Cognitive Science
	Pankhuri Saxena	Cognitive Science
	Ratna Bharti B	M A in Society & Culture
	Yash Pratap Singh	Mechanical Engineering
Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" (ISTI), Italy	Malireddi Sri Raghu	Electrical Engineering
Japan Advanced Institute of Science and Technology (JAIST), Japan	Abhishek Anand	Civil Engineering
	Anikesh Satish Kamath	Electrical Engineering
	Gullapally Sai Chowdary	Electrical Engineering
	Akshay Gadi Patil	Electrical Engineering
	Bhoomika Sonane	Electrical Engineering
	Bhargav B Chauhan	Mechanical Engineering
	Darshil Chauhan	Mechanical Engineering
	Bubna Rakesh Rishi	Mechanical Engineering

Host Institution	Student Name	Discipline
National University of Singapore, Singapore	Dipen Somani	Electrical Engineering
	Subrahmanya Teja	Electrical Engineering
	Rocky Dongre	Mechanical Engineering
	Konduru Venkata Naga Sai Ravi Teja	Mechanical Engineering
Otto-von-Guericke-Universität Magdeburg, Germany	Shashank Nigam	Mechanical Engineering
RWTH Aachen	Pranshul Saini	Mechanical Engineering
Texas A&M University, USA	Abhimanyu Singh	Chemical Engineering
	Palak Sadani	Chemical Engineering
Underwriter's Laboratories, Chicago, USA	Mayank Khewaria	Civil Engineering
Underwriter's Laboratories, Chicago, USA	Kapil Pathak	Electrical Engineering
Underwriter's Laboratories, Chicago, USA	Bhosale Surajkumar Dhananjay	Mechanical Engineering
Underwriter's Laboratories, Chicago, USA	Amit Yadav	Mechanical Engineering
University of Alberta, Edmonton, Canada	Animesh Singh Kumawat	Electrical Engineering
University of Notre Dame, USA	Naman Bansal	Electrical Engineering
	Akhilesh Gotmare	Electrical Engineering
University of Southern California, USA	Kushal Salecha	Electrical Engineering
University of Washington, Seattle, USA	Jatindeep Singh	Electrical Engineering
	Tushar R Anchan	Mechanical Engineering
	Mihir M Bhalerao	Mechanical Engineering
	Rajat Shiv Chand	Mechanical Engineering
	Radhika Patil	Mechanical Engineering
University of Texas Southwestern Medical Center, USA	Ravi Srivastava	Chemistry
Washington University, St Louis, USA	Sagar Chawla	Chemical Engineering
	Hema Choudhary	Chemical Engineering
	Prashant Shekhar	Chemical Engineering
	Nishit Shetty	Chemical Engineering

DOMESTIC INSTITUTIONS

Host Institution	Student Name	Discipline
A2 Innovation and Training Institute	Rajnikant Ghate	Mechanical Engineering
Almashines, Ahmedabad, Gujarat	Nagare Ashwini Tukaram	Electrical Engineering
Ashoka University, Sonepat, Rai, Haryana	Saumya Bhandari	Society & Culture
Bhabha Atomic Research Centre (BARC), Mumbai, Maharashtra	Vaishnavi Sunil Patil	Electrical Engineering
Bharat Heavy Electrical Ltd, Alkapuri, Vadodara, Gujarat	Shashank Mehra	Electrical Engineering
CD-Adapco India Pvt Ltd, Bangalore, Karnataka	Harsh Chandra	Mechanical Engineering
CD-Adapco India Pvt Ltd, Bangalore, Karnataka	Shah Jugal Saurin	Mechanical Engineering
CD-Adapco India Pvt Ltd, Bangalore, Karnataka	Meet Vadera	Mechanical Engineering
Centre for Social Studies, Surat, Gujarat	Bhargav Oza	M A in Society & Culture
CEPT University, Navrangpura, Ahmedabad, Gujarat	Nupur Joshi	M A in Society & Culture
DCM Shriram Consolidated Ltd, Osmanpura, Ahmedabad, Gujarat	Kushagra Bhargava	Chemical Engineering
DCM Shriram Consolidated Ltd, Osmanpura, Ahmedabad, Gujarat	Harsh Khandelwal	Chemical Engineering
Delhi Metro India, Barakhamba Road, New Delhi	Latika Meena	Electrical Engineering
GAIL (India) Limited, Ellisbridge, Ahmedabad, Gujarat	Devanshu Manoj Jain	Chemical Engineering
Gujarat Environmental Management Institute, Gandhinagar, Gujarat	Rajat Kumar Gupta	Chemical Engineering
Hero MotoCorp, New Delhi	Abhinav Singh	Mechanical Engineering
Indian Institute of Management, Ahmedabad, Gujarat	Roshan Agarwal	Civil Engineering
Indian Institute of Science Education and Research (IISER), Thiruvananthapuram, Kerala	Deepika Sharma	Chemistry
Indian Institute of Technology BHU, Varanasi, Uttar Pradesh	Ramniwas	Chemical Engineering
Indian Institute of Technology Bombay, Mumbai, Maharashtra	Jithin Prabha	Mechanical Engineering
Indian Institute of Technology Bombay, Mumbai, Maharashtra	Amit Kumar	Materials Science & Engineering
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Sargam Jain	Chemical Engineering
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Purushottam Kumar	Chemical Engineering
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Jainidhi Maurya	Chemical Engineering
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Priyanka	Chemical Engineering
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Nisha Rawat	Chemical Engineering
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Arvind Roshaan S	Chemical Engineering
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Abhishek Verma	Chemical Engineering
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Akshay Kumar Verma	Chemical Engineering
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Prince Kumar Verma	Chemical Engineering

Host Institution	Student Name	Discipline
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Vidyanand Wagh	Chemical Engineering
	Kanchan	Chemistry
	Amit Kumar	Chemistry
	Pavneesh Kumar	Chemistry
	Rohit	Chemistry
	Ravi Srivastava	Chemistry
	Shaleen Chhajer	Civil Engineering
	Anurag Goyal	Civil Engineering
	Mayank Jain	Civil Engineering
	Dharmendra Kumar	Civil Engineering
	Hemant Kumar	Civil Engineering
	Punit Kumar	Civil Engineering
	Narendra Sarswat	Civil Engineering
	Mohammad Faisal Seh	Civil Engineering
	Nikhil Sharma	Civil Engineering
	Prerna Singh	Civil Engineering
	Kishore Kumar Jagini	Cognitive Science
	Dhruval Thakker	Cognitive Science
	Vikram Alriya	Electrical Engineering
	Rishab Anand	Electrical Engineering
	Aparna Arya	Electrical Engineering
	Aravind Damacharla	Electrical Engineering
	Pratham Goel	Electrical Engineering
	Patil Shubham Hanumant	Electrical Engineering
	Ajinkya Tupkar Jain	Electrical Engineering
	Pabbathi Akhil Kumar	Electrical Engineering
	Puja Kumari	Electrical Engineering
	Niharika	Electrical Engineering
	Vipin Prajapati	Electrical Engineering
	Manav Raj	Electrical Engineering
	Abhishek Ranjan	Electrical Engineering
	Chenchala Sai Ramana Reddy	Electrical Engineering
	Vyas Samir	Electrical Engineering
	Namana Naga Sindhu	Electrical Engineering
	Kshitij Singh	Electrical Engineering
	Lokesh Singh	Electrical Engineering
	Rajendra Singh	Electrical Engineering
	Aatman C. Vora	Electrical Engineering
	Bhuwan Vyas	Electrical Engineering
	Sakshi Yadav	Electrical Engineering

Host Institution	Student Name	Discipline
Indian Institute of Technology Gandhinagar, Palaj, Gujarat	Kaustubh Shirish Panse	Materials Science & Engineering
	Ayushman Tripathi	Materials Science & Engineering
	Bhagat Rajan Balister	Mechanical Engineering
	Thakor Nilaysinh Bharatsinh	Mechanical Engineering
	Bhosale Surajkumar Dhananjay	Mechanical Engineering
	Jitendra Gehlot	Mechanical Engineering
	Amber Kothari	Mechanical Engineering
	P Aruna Kumarudu	Mechanical Engineering
	Koushik Mani	Mechanical Engineering
	Nishanth	Mechanical Engineering
	Rahul Kumar Pandey	Mechanical Engineering
	Shashank Pareta	Mechanical Engineering
	Karma Patel	Mechanical Engineering
	Pawan	Mechanical Engineering
	Singampalli Sai Rohit	Mechanical Engineering
	Shrey Shah	Mechanical Engineering
	Kanak Sharma	Mechanical Engineering
	Harshvardhan Singh	Mechanical Engineering
	Hydarali M T	Mechanical Engineering
	Saurabh S Vaichal	Mechanical Engineering
	Teki Vinay	Mechanical Engineering
	Amit Yadav	Mechanical Engineering
	Pritam Nanda	Physics
	Arun Krishna	Society & Culture
	Asaf Ali Lone	Society & Culture
	Sini Varghese	Society & Culture
Indian Institute of Technology Gandhinagar Accenture Fellowship	Vaibhav Joshi	Chemical Engineering
	Kashyap Patel	Electrical Engineering
	Ankit Agarwal	Mechanical Engineering
	Anurag Agrawal	Mechanical Engineering
	Karan Palaskar	Mechanical Engineering
	Vishvendra Singh	Mechanical Engineering
Indian Institute of Technology Gandhinagar Explorer Fellowship	Rushabh Desadla	Chemical Engineering
	Mridul Pareek	Chemical Engineering
	Lavdeep Kaur	Chemical Engineering
	Heet Vasudevbhai Patel	Civil Engineering
	Pushpak K. Baviskar	Civil Engineering
	Aditya Goel	Electrical Engineering

Host Institution	Student Name	Discipline
Indian Institute of Technology Gandhinagar Explorer Fellowship	Samarth Kashyap	Electrical Engineering
	B V Vijaya Bharath Reddy	Electrical Engineering
	Prashant Kumar	Electrical Engineering
	M Barath Kanna	Materials Science & Engineering
	Anarse Ashish Pralhad	Mechanical Engineering
	Naveen Kumar	Mechanical Engineering
	Chitnis Parag Jayant	Mechanical Engineering
	Pragadeesh R R	Mechanical Engineering
	Rohit Nanavati	Mechanical Engineering
	Prathamesh Badve	Mechanical Engineering
Indian Institute of Technology Guwahati, Guwahati, Assam	Abhishek Gahatraj	Cognitive Science
	Vipul Nair	Cognitive Science
Indian Institute of Technology Hyderabad, Sangareddy, Telangana	Vamsidhar Reddy	Electrical Engineering
Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh	Ramtekkar Shashank Manohar	Mechanical Engineering
	Shubham Patle	Mechanical Engineering
Indian Railway (Mughalsarai Railway Workshop), Uttar Pradesh	Rakesh Ranjan	Mechanical Engineering
Indian River Advisors Corporation	Sanket Shah	Mechanical Engineering
	M Surya	Mechanical Engineering
Institute for Plasma Research (IPR), Gandhinagar, Gujarat	Nisha	Physics
ITC Ltd, Kolkata	Ashish Kumar Gupta	Electrical Engineering
Jindal Steel and Power Limited, New Delhi	Tanay Kankane	Mechanical Engineering
J-PAL, Jaipur, Rajasthan	Aakrati Gupta	Society & Culture
Keller Ground Engineering, Kodambakkam, Chennai, Tamil Nadu	Mohd Umair Iqbal	Chemical Engineering
L &T, Ranoli	Darshak Parikh	Mechanical Engineering
Mahindra & Mahindra Ltd, Swaraj Division, Mohali	Ankita Sharma	Mechanical Engineering
Microsoft	Bubna Rakesh Rishi	Mechanical Engineering
National Institute of Advanced Studies, Bengaluru, Karnataka	Karthikeyan Palanisamy	Cognitive Science
	Rakhi	Cognitive Science
Nielsen, Bangalore	Midhula Chandran	Cognitive Science
	Devu Mahesan	Cognitive Science
North East Institute of Science and Technology (NEIST) - (CSIR), Jorhat,Assam	Nayan Jyoti Boruah	Chemistry
Physical Research Laboratory (PRL), Navrangpura, Ahmedabad, Gujarat	Akash Kumar	Physics
Rajasthan University, Jaipur, Rajasthan	Manish	Physics

Host Institution	Student Name	Discipline
Rakshak Foundation, New Delhi	Srinivas Mudavat	Society & Culture
	Sunil Sahra	Chemical Engineering
Rann Riders, Dasada, Gujarat	Saravanan Velusamy	M A in Society & Culture
	Tushar Meshram	M A in Society & Culture
Reliance Industries Limited, Nariman Point Mumbai, Maharashtra	Mukesh Kumar	Chemical Engineering
	Sushil Kumar	Chemical Engineering
Shiv Nadar Univerisity - Duke TIP	Kishore Kumar J	Chemical Engineering
	Rishabh Jain	Civil Engineering
	Ankit Mittal	Mechanical Engineering
	Muzammil Rawoot	Mechanical Engineering
Steelstrong Valves (India) Pvt Ltd, Chennai, Tamil Nadu	Rahul Garg	Mechanical Engineering

CLASS OF 2015 GRADUATES PURSUING HIGHER STUDIES ABROAD

UNDERGRADUATE STUDENTS

Name	Institute	Programme	Discipline at IITGN
Sukriti Gakhar	University of California, Davis, USA	PhD	Chemical Engineering
Shanmukha Manoj	University of Maryland, Maryland, US	MS	Chemical Engineering
Shaurya Seth	North Carolina State University, NC, US	MS	Chemical Engineering
Tushti Shah	University of Texas at Austin, TX, US	PhD	Chemical Engineering
Nandan Paresh Vora	Clemson University, SC, USA	MS	Chemical Engineering
Vaibhav Gandhi	University of Southern California, USA	MEng	Electrical Engineering
Kimaya Uday Kale	Georgia Institute of Technology, GA, USA	MS	Electrical Engineering
Rohan Patidar	University of Washington, WA, USA	MS	Electrical Engineering
Apoorv Patwardhan	Columbia University, NY, USA	MS	Electrical Engineering
P Sandeep Reddy	University of Maryland, Maryland, US	MS	Electrical Engineering
L Thrinath Reddy	Texas A & M University, TX, USA	MS	Electrical Engineering
Raj Shah	Stanford University, CA, USA	MS	Electrical Engineering
Ishan Upadhyaya	University of California, Los Angeles, USA	MS	Electrical Engineering
Aashrith Koundinya	University of Wisconsin, Madison, WI, US	PhD	Mechanical Engineering
Gaurav Mahamuni	University of Washington, WA, USA	PhD	Mechanical Engineering
B Manasa	University of Washington, WA, USA	PhD	Mechanical Engineering
Rounak Mehta	Duke University, NC, USA	MS	Mechanical Engineering
Abhishek Navarkar	University of Tokyo, Tokyo, Japan	MEng	Mechanical Engineering
MTECH STUDENTS			
Puneet Kumar	Michigan State University	PhD	Civil Engineering
Krishna Kumar Saxena	University of Auckland, New Zealand	PhD	Materials Science and Engineering
MSc STUDENTS			
Simily Sabu	Central European University, Hungary	PhD	Cognitive Science

CLASS OF 2015 GRADUATES PURSUING HIGHER STUDIES IN INDIA

UNDERGRADUATE STUDENTS

Name	Institute	Programme	Discipline at IITGN
Mihika Shah	Homi Bhabha Centre for Science Education, TIFR, Mumbai	PhD	Chemical Engineering
Mishita Jaiswal	Indian Institute of Management Bangalore	PGP	Electrical Engineering
Soham Harshe	Indian Institute of Technology Bombay	MTech	Mechanical Engineering
Sachchit Vekaria	Indian Institute of Technology Bombay	MTech	Mechanical Engineering
MTECH STUDENTS			
Gunda Harini	Indian Institute of Technology Gandhinagar	PhD	Chemical Engineering
Ganeriwala Mohit Dineshkumar	Indian Institute of Technology Gandhinagar	PhD	Electrical Engineering
Dhaval Shashikantbhai Solanki	Indian Institute of Technology, Gandhinagar	PhD	Electrical Engineering
Bhoir Mandar Suresh Smita	Indian Institute of Technology Gandhinagar	PhD	Electrical Engineering
Vighnesh Prasad	Indian Institute of Technology Gandhinagar	PhD	Materials Science and Engineering
MSc STUDENTS			
Goldy Yadav	Indian Institute of Technology Gandhinagar	PhD	Cognitive Science
Palash Jana	Indian Institute of Technology Gandhinagar	PhD	Chemistry
Ashok Kumar	Indian Institute of Technology Kanpur	PhD	Chemistry
Amarjyoti Das Mahapatra	Indian Institute of Technology Gandhinagar	PhD	Chemistry

SUPPORT FOR THE INSTITUTE

MAJOR NEW DONORS

MAJOR NEW DONORS

Mr Raj and **Mrs Pallavi Shah** have established a number of undergraduate scholarships in the name of his parents **Mrs Lalita J Shah** and **Mr Jayantilal B Shah**. **Mr Raj Shah** did his BTech from IIT Bombay and holds a Master's degree from University of Wisconsin. Mr Shah brings unique combination of creative leadership, entrepreneurial success, management discipline, and global experience. At Microsoft, he reenergized their online mapping services, and these mapping assets were acquired by Uber in June 2015. At Google, he spearheaded creation of Maps by establishing a global infrastructure that encompasses all countries mapped by Google from the ground-up. An entrepreneur by nature, Mr Shah has also held senior management positions in leading Silicon Valley technology firms.

DONORS LIST

DONORS LIST

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Rs 50,00,000 - RS 99,99,999		
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Atul Bhargav	faculty	Ahmedabad
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Nitish Thakor	well-wisher	Clarksville, USA
Rs 5,000 - RS 24,999		
Tanmay Balwa	alumnus	San Francisco, USA

Name	Category	City
Yogesh Goyal	alumnus	Princeton, USA
Adit Gupta	alumnus	Mumbai
Luv Gupta	alumnus	San Mateo, USA
Anshul Gupta	alumnus	Agra
Pratyul Kapoor	alumnus	Jaipur
Kinley Mehra	alumnus	Torrington, USA
Ekta Prashnani	alumnus	Goleta, USA
Sudhiksha Sridhar	alumnus	Mumbai
Mohit Verma	alumnus	Indore
Chandrakumar Appayee	faculty	Ahmedabad
Arup Lal Chakraborty	faculty	Ahmedabad
Ramesh Gaonkar	faculty*	New York, USA
Indrajit Ghosh	faculty	California, USA
Sriram Gundimeda	faculty	Ahmedabad
Vikrant Jain	faculty	Ahmedabad
Shiv Kumar Jolad	faculty	Ahmedabad
Sharmistha Majumdar	faculty	Ahmedabad
Nihar Ranjan Mohapatra	faculty	Ahmedabad
S L Narayanmurthy	faculty*	Bangalore
N Ramakrishnan	faculty	Ahmedabad
Srinivas Reddy	faculty	Ahmedabad
Sudhanshu Sharma	faculty	Ahmedabad
Siddharth Wakankar	faculty*	Ahmedabad
U A Yajnik	faculty*	Mumbai
Prem Kumar Chopra	staff	Ahmedabad
Meena Joshi	staff	Ahmedabad
T S Kumbar	staff	Ahmedabad
Pijush Majumdar	staff	Ahmedabad
Sunita Menon	staff	Ahmedabad
Arika Patel	staff	Ahmedabad
C S Sharma	staff	Ahmedabad
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Abhishek Singhal	well-wisher	Alexandria,USA

Name	Category	City
Balkrishna B Soneji	well-wisher	Ahmedabad
Harish Chandra Verma	well-wisher	Kanpur
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Abhay C A	alumnus	Ernakulam
Darshan Ajmera	alumnus	Indore
Amit	alumnus	Mohinder Garh
Aryan	alumnus	Muzaffarpur
Ashay	alumnus	Haryana
Dilip Kumar Badgurjar	alumnus	Tonk
Pragya Nandan Banjare	alumnus	Pendrawan
Rujuta Bhat	alumnus	Nagpur
Mandar Suresh Bhoir	alumnus	Raigad
Mohit Chand	alumnus	Varanasi
Yashodeep Chavhan	alumnus	Ahmed Nagar
Ayush Choudhary	alumnus	Indore
Chetan Kumar Choudhary	alumnus	Jaipur
Ajinkya Dahale	alumnus	New Delhi
Ajay Devedwal	alumnus	Jaipur
Shivam Dhama	alumnus	Baghpat
Reddy Dwarakanath	alumnus	East Godavari
Ekta	alumnus	Rewari
Mohit Ganeriwala	alumnus	Ahmedabad
Aalok Gangopadhyay	alumnus	Mumbal
Anchit Gaurav	alumnus	Patna
Kunal Ghaisas	alumnus	Pune
Akshay Goyal	alumnus	Jind
Parth Gudhka	alumnus	Ahmedabad
Gunda Harini	alumnus	Gubtur
Rahul Harnotia	alumnus	New Delhi
Soham Harshe	alumnus	Thane
Nisha Hasija	alumnus	Palwal
Shaikh Siddhik Hussain	alumnus	Nalgonda
Mishita Jaiswal	alumnus	Jabalpur
Vinit Joshi	alumnus	Jodhpur
Ronak Khandelwal	alumnus	Ratlam
Shymal Kishore	alumnus	USA
Aashrith Koundinya	alumnus	Warangal
Bajrang Lal Kudi	alumnus	Jaipur
Aryan Kumar	alumnus	Muzaffarpur
Pradeep Kumar	alumnus	Kota
Ramesh Kumar	alumnus	Patna
Deendayal Kumar	alumnus	Patna
Dalip Kumar	alumnus	Hanumangarh

Name	Category	City
Piyush Mahajan	alumnus	Kothrud
Gaurav Mahamuni	alumnus	Pune
Gandham Mahendranadh	alumnus	Kakinada
Ashwini Kumar Malik	alumnus	Shamli
Mohit Malu	alumnus	Nizamabad
Amar Mandhyan	alumnus	Ahmedabad
Shanmukha Manoj	alumnus	Anantapur
Vaibhav Mathur	alumnus	Jodhpur
Prem Prakash Meena	alumnus	Sawani Madhopur
Rounak Mehta	alumnus	Jodhpur
Sushrut Pramod Meshram	alumnus	Nagpur
Ashwini Kumar Mishra	alumnus	Lucknow
Utsav Mistry	alumnus	Surat
Lakshmi Narasimhan G N	alumnus	Chennai
Shreyans Nahar	alumnus	Khalapur
Pathe Tilak Narendra	alumnus	Bhusawal
Abhishek Navarkar	alumnus	Kalyan
Prasit Pal	alumnus	Ahmedabad
Chandra Kanth Pamarthi	alumnus	Guntur
Shyamal Kishore	alumnus	USA
Vijval Pamnani	alumnus	Ahmedabad
Dhruv Pancholi	alumnus	Surat
Ankit Pandole	alumnus	Bhopal
Rajesh Patidar	alumnus	Ratlam
Rohan Patidar	alumnus	Neemuch
Apoorv Patwardhan	alumnus	Pune
Lalit Prajapat	alumnus	Churu
Shisode Sushilkumar Rajendra	alumnus	Jalgaon
Dave Ujash Rameshwar	alumnus	Ahmedabad
Akshay Randad	alumnus	Beed
Kiran Rangwani	alumnus	Ahmedabad
Nishant Rao	alumnus	Ahmedabad
P Sandeep Reddy	alumnus	Nalgonda
Khyati Reehan	alumnus	New Delhi
Aditya Samant	alumnus	Navi Mumbai
Abhishek Sancheti	alumnus	Bhilwara
Parth Sane	alumnus	Mumbai
Krishna Kumar Saxena	alumnus	Agra
Dhyey Shah	alumnus	Ahmedabad
Preet Shah	alumnus	Mumbai
Raj Shah	alumnus	Mumbai
Tushti Shah	alumnus	Ahmedabad
Mayank Shekhar	alumnus	Muzaffarnagar

Name	Category	City
Durvesh Shinde	alumnus	Thane
Pratik Shirbhate	alumnus	Yavatma
Abhishek Singh	alumnus	Unnao
Akash Keshav Singh	alumnus	Luxmiganj
Milan Singh	alumnus	Meerut
Fathima Sinin	alumnus	Calicut
S Smitha	alumnus	Palakkad
Dhaval Solanki	alumnus	Ahmedabad
Abhishek Soni	alumnus	Patna
Gundeep Kaur Sudan	alumnus	Jammu
Jay Arvindbhai Sudani	alumnus	Surat
Sukriti	alumnus	Hisar
Madan Janardan Taldevkar	alumnus	Khopat
Sai Teja	alumnus	Kukatpally
Eepsit Tiwari	alumnus	Jabalpur
Sarojini Tiwari	alumnus	Naihaji
Chandrasekhar Tunga	alumnus	Kadapa
Ishan Upadhyaya	alumnus	Mumbai
Sachchit Vekaria	alumnus	Baladia
Prashant Verma	alumnus	Bikaner
Vishakha	alumnus	New Delhi
Nandan Paresh Vora	alumnus	Ahmedabad
Vishal Yadav	alumnus	Kota
Goldy Yadav	alumnus	New Delhi
Taruna Yadav	alumnus	New Delhi
Hamza Moho Zubair	alumnus	Alligarh
Nithin V George	faculty	Ahmedabad
Harish P M	faculty	Ahmedabad
Superb Misra	faculty	Ahmedabad
Mouli Kethineedi	staff	Ahmedabad
Jay Mehta	staff	Ahmedabad
Sanjeev Pandey	staff	Ahmedabad
Santosh Raut	staff	Ahmedabad
Komal Tarunkumar Sangtani	staff	Ahmedabad
Gaurav Shukla	staff	Ahmedabad
Met Ayalp	well-wisher	Burnaby, Canada
Rajul Gajjar	well-wisher	Ahmedabad
S R Sharma	well-wisher	New Delhi

* For part of the year

ORGANIZATION

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Director, National Institute of Advanced Studies
Bangalore

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former Director, IIT Bombay &
former Chairman, Atomic Energy Regulatory Board, Mumbai

Prof Surendra Prasad
former Director
Indian Institute of Technology Delhi
New Delhi

Prof Deepak B Phatak
Subrao M Nilekani Chair Professor
Department of Computer Science and Engineering
IIT Bombay

Shri Kamal Nanavaty
President- Strategy Development
Reliance Industries Limited
Navi Mumbai

Shri G R Aloria, IAS
Chief Secretary
Government of Gujarat
Gandhinagar

Shri J P Agrawal, DANICS
Special Secretary-cum-Director (Education)
Administration of Daman & Diu (UT)
Moti Daman

Prof S P Mehrotra
Professor-in-charge, (External Relations, and Research & Development)
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

Prof Rajagopalan Srinivasan
Professor
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

Prof Sudhir K Jain
Director
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

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Registrar
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

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President, International Council of Academies of Engineering and Technological Sciences, &
Director, National Institute of Advanced Studies
Bangalore

MEMBERS

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Director
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

Shri R Subrahmanyam, IAS
Additional Secretary (TE)
Department of Higher Education
Ministry of Human Resource Development
New Delhi

Shri Yogendra Tripathi, IAS
Joint Secretary & Financial Advisor
Integrated Finance Bureau
Ministry of Human Resource Development
New Delhi

Prof S C Sahasrabudhe
former Director
Dhirubhai Ambani Institute of Information and Communication Technology
Gandhinagar

Prof D P Roy
Professor-in-Charge (General Administration)
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

SECRETARY

Shri P K Chopra
Registrar
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

BUILDING AND WORKS COMMITTEE

CHAIRMAN

Prof Sudhir K Jain
Director
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

MEMBERS

Prof N Chhaya
former Dean
Faculty of Architecture
CEPT University
Ahmedabad

Dr Prabhat Kumar
Distinguished Scientist &
former Chairman and Managing Director
Bharatiya Nabhikiya Vidyut Nigam Limited Kalpakkam
Tamil Nadu

Shri K S Wagh
Chief Advisor (Civil Infrastructure)
Indian Institute of Technology Bombay
Powai, Mumbai

Shri A K Jain
former Special Director General
Central Public Works Department
New Delhi

Shri L P Srivastava
former Additional Director General
Central Public Works Department & Advisor (Works)
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

Prof Harish P M
Associate Dean (Campus Development)
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

SECRETARY

Shri P K Chopra
Registrar
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar

SENATE

CHAIRMAN
Prof Sudhir K Jain
Director

MEMBERS
Prof Ashwini Kumar
Prof D V Pai
Prof D P Roy
Prof G K Sharma
Prof S P Mehrotra
Prof K V V Murthy
Prof N Ramakrishnan
Prof R Sharan
Prof Jyoti Mukhopadhyay
Prof Mohan Joshi
Prof R R Puri
Prof H B Hablani
Prof Svetlana Brzev
Prof R N Singh
Prof Rajagopalan Srinivasan
Prof Kamalakar Karlapalem
Prof Pranab Kumar Mohapatra
Prof Neelkanth Chhaya
Prof Raghavan Rangarajan
Prof Nagesh Rao
Prof Amit Prashant
Prof Rita Kothari
Prof Vikrant Jain
Prof Indranath Sengupta
Dr T S Kumbar
Prof Vinod Narayanan
Prof Arup Lal Chakraborty
Prof Sameer V Dalvi
Prof Bhaskar Datta
Prof Atul Bhargav
Prof Abhijit Mishra
Prof Meera Mary Sunny
Prof Sharad Gupta
Prof Jaison Manjaly
Prof Sudhanshu Sharma
Prof Anand Sengupta
Prof Pratyush Dayal
Prof Harish P M
Prof Pratik Mutha
Prof Nithin V George

SECRETARY
Shri P K Chopra
Registrar

STUDENT INVITEES
Vishvendra Singh
Ajinkya Tupkar Jain
Nithin George
Chinmay Ajnadkar

STANDING COMMITTEES OF THE SENATE

SENATE ACADEMIC PERFORMANCE EVALUATION COMMITTEE (SAPEC)
Prof D V Pai, convener
Prof Amit Prashant, Dean (Academic Affairs)
Prof Abhijit Mishra
Prof Kabeer Jasuja
Prof Indranath Sengupta
Prof Nithin V George
Prof Virupakshi Soppina

SENATE ACADEMIC PROGRAMMES COMMITTEE (SAPC)
Prof Amit Prashant, chairman, Dean (Academic Affairs)
Prof Abhijit Mishra
Prof Nithin V George
Prof Bhaskar Datta
Prof Sameer V Dalvi
Prof Pranab Mohapatra
Prof Arup Lal Chakraborty
Prof Atul Bhargav
Prof Indranath Sengupta
Prof Jaison A Manjaly

Prof Meera M Sunny
Prof Anand Sengupta
Prof Kamalakar Karlapalem
Prof Sharad Gupta
Mr Akhilesh Gotmare, student nominee
Mr Saravanan V, student nominee

SENATE SCHOLARSHIP AND PRIZES COMMITTEE (SSPC)

Prof Jaison A Manjaly, chairman, Dean (Student Affairs)
Prof Atul Bhargav
Prof Kabeer Jasuja
Prof Sharmita Lahiri

SENATE STUDENT AFFAIRS COMMITTEE (SSAC)

Prof Jaison A Manjaly, chairman, Dean (Student Affairs)
Prof Nithin V George
Prof Anand Sengupta
Prof Atul Bhargav
Prof Surjeet Kour
Prof Anirban Dasgupta
Mr Vishvendra Singh, General Secretary, Student Senate
Mr Ajinkya Tupkar Jain, Convener, Student Senate
Mr Tushar Meshram, student nominee
Mr Chakresh K Singh, student nominee

SENATE LIBRARY COMMITTEE (SLC)

Prof R Sharan, chairman
Dr T S Kumbar
Prof Krishna P Miyapuram
Prof Sudipta Sarkar
Prof Sanmuganathan Raman
Prof Dhiman Basu
Mr Dharmendra Kumar, student nominee
Mr Rishabh Jain, student nominee

ACADEMIC OFFICIALS

Prof Sudhir K Jain
Director

Prof Amit Prashant
Dean, Academic Affairs

- Prof Nithin V George
  Associate Dean, Postgraduate Studies
- Prof Abhijit Mishra
  Associate Dean, Undergraduate Studies

Prof Jaison A Manjaly
Dean, Student Affairs

- Prof Atul Bhargav
  Associate Dean, Student Welfare
- Prof Gaurav Srivastav
  Head, Career Development Services, and Coordinator, Placement & Internship
- Prof Rajagopalan Srinivasan
  Coordinator, Higher Education and Career Counselling
- Prof Abhay Raj Singh Gautam
  Coordinator, Industry Visits
- Prof Kabeer Jasuja
  Head, Student Counselling Service
- Prof Rupak Banerjee
  Advisor, Sports
- Prof Superb Misra
  Advisor, Technical Activities
- Prof Manish Kumar
  Advisor, External Scholarships
- Prof Amit Arora
  Coordinator, Masters and Doctoral Students
- Mr C S Sharma
  Coordinator, Communication & Life Skills Programme
- Prof Sudhanshu Sharma
  Warden, Duven, Emiet and Firpeal, and Advisor, Cultural events
- Prof Ketki Sharma
  Warden, Aibaan, Beauki and Chimair
- Prof Sivapriya Kirubakaran
  Warden, Students Hostel Dining Facility

Prof G K Sharma
Professor-in-Charge, Faculty Affairs

- Prof Sameer Dalvi
  Associate Dean, Faculty Relations

- Prof Pratik Mutha
  Chairman, Faculty Search Committee, and
  Associate Dean, Faculty Recruitment

Prof S P Mehrotra
Professor-in-Charge, External Relations, and
Professor in-Charge, Research and Development

- Mr Nirmal Jha
  Advisor, Industry Partnerships

- Prof Ravikumar Bhaskaran
  Honorary Advisor, External Relations

- Prof Vikrant Jain
  Associate Dean, External Projects

Prof Harish P M
Associate Dean, Campus Development

Prof D P Roy
Professor-in-Charge, General Administration,
and Professor-in-Charge, Engineering Disciplines

Prof D V Pai
Professor-in-Charge, Humanities and Science
Disciplines

STUDENT LEADERSHIP

The following students were declared elected as office bearers for the academic year 2016-17:

General Secretary	Shubham Patil
Cultural Secretary	Nishanth Naik
Academic Secretary	Anurag Singhania
Sports Secretary	Ahamed Naji
Technical Secretary	Akhil Patnaik
Student Welfare Secretary	Rishabh Jain

FACULTY

Discipline	Designation	PhD/ Last Degree	Specialization
Archaeology			
Alok Kumar Kanungo	Assistant Research Professor	Deccan College, 2003	History and origin of glass
V N Prabhakar	Visiting Assistant Professor	Kurukhsetra University, 2013	Harappan archaeology with emphasis on Application of Sciences in Archaeology
Biological Engineering			
Sharad Gupta	Assistant Professor	University of Pittsburgh, 2009	Protein misfolding in Alzheimer's and Huntington's diseases
Sivapriya Kirubakaran	Assistant Professor	IISc Bangalore, 2007	Medicinal chemistry and drug discovery
Sharmishta Majumdar	Assistant Professor	Cornell University, 2006	Genomic and proteomic analysis of transposases and transposase homologs
Pratik Mutha	Assistant Professor	Pennsylvania State University, 2009	Sensorimotor control and learning

Discipline	Designation	PhD/ Last Degree	Specialization
Umashankar Singh	Assistant Professor	Uppsala University, Uppsala, Sweden, 2006	Cytoprotection
Virupakshi Soppina	Assistant Professor	Gulbarga University, Gulbarga, 2006	Kinesins and Intracellular Transport
Chemical Engineering			
Sameer V Dalvi	Associate Professor	IIT Bombay, 2007	Supercritical fluid processing
Pratyush Dayal	Assistant Professor	University of Akron, 2007	Self-oscillating polymer gels
Chinmay Ghorai	Associate Professor	IIT Bombay, 2007	Particle engineering and powder processing
Kabeer Jesuja	Assistant Professor	Kansas State University, 2011	Synthesis of two-dimensional nanomaterials
Nitin U Padhiyar	Assistant Professor	IIT Bombay, 2008	Process optimization and control
Babji Srinivasan	Assistant Professor	Texas Tech University, 2011	Design, Control and Monitoring of Complex systems with Human-in-the-Loop
R Srinivasan	Professor	Purdue University, West Lafayette, 1998	Computational systems biology
Prachi Thareja	Assistant Professor	University of Pittsburgh, 2008	In-situ rheology of crystallizing fatty acid pastes
Chemistry			
Chandrakumar Appayee	Assistant Professor	IISc, Bangalore 2008	Asymmetric catalysis
Bhaskar Datta	Assistant Professor	Carnegie Mellon University, 2004	Nucleic acid based chemical biology
Arnab Dutta	Assistant Professor	Arizona State University, 2012	Bio-inorganic chemistry
Sriram V Gundimeda	Associate Professor	IIT Bombay, 2001	Bio-organic chemistry
Iti Gupta	Associate Professor	IIT Bombay, 2005	Macrocyclic receptors & expanded porphyrinoids
Saumyakanti Khatua	Assistant Professor	Rice University, 2011	Plasmonics
Sairam Swaroop Mallajosyulla	Assistant Professor	JNCASR, Bangalore, 2009	Carbohydrate-Protein Interactions
Sudhansu Sharma	Assistant Professor	IISc Bangalore, 2009	Materials, electrochemistry
Civil Engineering			
Dhiman Basu	Assistant Professor	SUNY, Buffalo, 2012	Rotational seismology, complex structures
Svetlana Brzev	Visiting Professor	IIT Roorkee, 1994	Earthquake risk mitigation in developing countries
Gaurav	Assistant Professor	University of Minnesota, 2011	Uncertainty quantification

Discipline	Designation	PhD/ Last Degree	Specialization
Sudhir K Jain	Director, Professor	Caltech, 1983	Earthquake engineering, structural dynamics
Manish Kumar	Assistant Professor	State University of New York at Buffalo, 2015	Performance-based earthquake engineering
Ashwini Kumar	Visiting Professor	University of Waterloo, 1974	Stability and large deformation of structures
Vimal Mishra	Assistant Professor	Purdue University, 2010	Surface water hydrology
Pranab Mohapatra	Professor	IIT Kanpur, 1999	Hydraulics and Water resources engineering
Amit Prashant	Professor	University of Tennessee, 2004	Constitutive modeling for granular materials
Ajanta Sachan	Assistant Professor	University of Tennessee, 2005	Material characterization
Ketki Sharma	Assistant Professor	Georgia Institute of Technology, 2013	Water treatment
Computer Science & Engineering			
Bireswar Das	Assistant Professor	Institute of Mathematical Sciences, Chennai, 2010	Computational complexity theory and algorithms
Anirban Dasgupta	Associate Professor	Cornell University, 2005	Algorithms for large scale data
Manoj Gupta	Assistant Professor	IIT Delhi, 2013	Dynamic Graph Algorithms
Kamalakar Karlapalem	Professor	Georgia Institute of Technology, 1992	Database Systems
Neeldhara Misra	Assistant Professor	The Institute of Mathematical Sciences, Chennai, 2012	Design and analysis of Algorithms
Souradyuti Paul	Assistant Professor	Katholieke Universiteit Leuven, Belgium, 2006	Information security, cryptography, theoretical computer science
Design			
Amit Sheth	Adjunct Faculty	IIT Bombay (ongoing)	Wayfinding design
Earth Sciences			
Vikrant Jain	Associate Professor	IIT Kanpur, 2001	Earth surface processes
R N Singh	Visiting Professor	Banaras Hindu University, Varanasi, 1969	Modeling of near-surface geophysical and environmental processes

Discipline	Designation	PhD/ Last Degree	Specialization
Pradeep Srivastava	Adjunct Faculty	Peoples' Friendship University, Moscow, Russia, 1983	Theoretical mechanics & control systems
Electrical Engineering			
Arup Lal Chakraborty	Associate Professor	University of Strathclyde, 2010	Tunable diode laser spectroscopy for gas parameter measurement
Sourindra M Chaudhuri	Assistant Research Professor	Princeton University, 2015	Digital VLSI design and EDA methodologies in the realm of FinFET using Technology CAD
Ramesh Gaonkar*	Visiting Professor	Syracuse University, 1975	Inter-disciplinary curriculum design and evaluation
Nithin George	Assistant Professor	IIT Bhubaneswar, 2012	Active noise control, adaptive signal processing
Ravi S Hegde	Assistant Professor	University of Michigan, Ann Arbor, 2008	Optical properties of nanostructures
Ragavan K	Associate Professor	IISc Bangalore, 2006	Transformer diagnostics
Nitin Khanna	Assistant Professor	Purdue University, USA, 2009	Multimedia Security: Sensor Forensics
Uttama Lahiri	Associate Professor	Vanderbilt University, 2011	Virtual reality based human computer interaction used in affective computing
Joycee Mekie	Assistant Professor	IIT Bombay, 2009	VLSI design
Nihar R Mohapatra	Associate Professor	IIT Bombay, 2003	Semiconductor devices and technology
K V V Murthy	Visiting Professor	IIT Bombay, 1977	Electrical network theory
Naran M Pindoriya	Assistant Professor	IIT Kanpur, 2009	Restructuring power systems-technical and economical issues
S Rajendran	Visiting Professor	IIT Madras (MTech), 1988	High speed packaging machines-VFFS and HFFS technologies
Shanmuganathan Raman	Assistant Professor	IIT Bombay, 2011	Computational photography
R Sharan	Visiting Professor	University of Waterloo, 1968	Technological progress and human values
Humanities & Social Sciences			
Guo Fei	Visiting Faculty	Sichuan University, 2007	Chinese lauguage tutor
Rajmohan Gandhi	Visiting Professor	University of Calgary, Canada, 1997	Indian independence movement and its leaders, Indo-Pakistan relations, human rights and conflict resolution
Rita Kothari	Professor	Gujarat University, 2000	Hinglish, communities in Banni (Kutch), cultural history of Sindh & Gujarat

Discipline	Designation	PhD/ Last Degree	Specialization
Sharmita Lahiri	Assistant Professor	University of Houston, 2008	Postcolonial literature and composition
Jaison A Manjaly	Associate Professor	IIT Kharagpur, 2008	Experience, consciousness, rationality
Angus McBlane	Visiting Assistant Professor	Cardiff University, 2014	Cultural Theory, Embodiment, Environmental Humanities
Achal Mehra*	Professor	Southern Illinois University, Carbondale, 1985	Online media, media management
Mona Mehta	Assistant Professor	University of Chicago, 2010	Democracy, ethnic conflict, civil society, nationalism and identity politics in India
Krishna P Miyapuram	Assistant Professor	University of Cambridge, UK, 2008	Brain imaging (fMRI) & cognitive science
Rosa Maria Perez*	Visiting Professor	ISCTE, Lisbon, 1992	Social structures, social segregation
Pedro Manuel S Pombo	Visiting Assistant Professor	ISCTE-IUL, Lisboa, 2015	Ethnicity and cultural identity
Arnapurna Rath	Assistant Professor	IIT Bombay, 2010	South-Asian literature, Critical theories, Bakhtin studies, Creative writing
Srinivas Reddy	Assistant Professor	University of California, Berkeley, 2011	Sanskrit, Tamil and Telugu literary traditions
Tannistha Samanta	Assistant Professor	University of Maryland, 2012	Social demography, aging in developing countries
Madhumita Sengupta	Assistant Professor	University of Calcutta, 2009	Colonial India and the socio - political history of Assam from the eighteenth to the early twentieth centuries
Malavika Subramanyam	Assistant Professor	Harvard University, 2009	Socioeconomic context and neighbourhoods on nutrition and diabetes
Meera Merry Sunny	Assistant Professor	University of Warwick, 2011	Visual attention, attention capture
Sidharth Wakankar*	Adjunct Professor	M S University of Baroda, 1995	Games in Sanskrit literature and manuscriptology
Materials Science and Engineering			
Amit Arora	Assistant Professor	The Pennsylvania State University, 2011	Friction stir welding, heat transfer and visco-plastic flow
Abhay Raj Singh Gautam	Assistant Professor	University of Virginia, 2009	Interface structure and dynamics
S P Mehrotra	Visiting Professor	IIT Kanpur, 1973	Mineral processing and process metallurgy

Discipline	Designation	PhD/ Last Degree	Specialization
Superb Mishra	Assistant Professor	Imperial College London, UK , 2007	Biomaterials and Tissue engineering
Abhijit Mishra	Assistant Professor	University of Illinois, Urbana-Champaign, 2010	X-Ray diffraction, membrane properties
Jyoti Mukhopadhyay	Visiting Professor	IIT Bombay, 1982	Structure – property correlation
Emila Panda	Assistant Professor	Max Planck Institute, Germany, 2009	Investigations of thin films and nanostructured materials
Mathematics			
Sanjaykumar H Amrutiya	Assistant Professor	Harish-Chandra Research Institute, Allahabad, 2012	Tannakian group schemes, Moduli spaces, Vector bundles
Atul Abhay Dixit	Assistant Professor	University of Illinois at Urbana-Champaign, 2012	Analytic Number Theory
Mohan Joshi	Visiting Professor	Purdue University, USA, 1973	Nonlinear Analysis
Surjeet Kour	Assistant Professor	IIT Kanpur, 2013	Simple Derivations
N R Ladhawala	Adjunct Faculty	Purdue University, 1976	Harmonic analysis
Chetan D Pahlajani	Assistant Professor	University of Illinois, Urbana-Champaign, 2007	Probability theory and Stochastic processes
D V Pai	Visiting Professor	IIT Bombay, 1972	Functional analysis, Approximation theory
Indranath Sengupta	Associate Professor	IISc Bangalore, 2001	Commutative algebra, Algebraic geometry
Jagmohan Tyagi	Assistant Professor	IIT Kanpur, 2008	Ordinary differential equations, elliptic partial differential equations
Mechanical Engineering			
Sudarshan Bahl*	Visiting Professor	Meerut University, Meerut (MPhil)	Solid State Physics
Atul Bhargav	Assistant Professor	University of Maryland, College Park, 2010	Fuel cell systems. design and simulation
K Chelva Kumar	Visiting Professor	Caltech, 1985	Healthcare finance and engineering mechanics
Murali Damodaran*	Professor	Cornell University, 1987	Aerospace engineering: aerodynamics, flight mechanics and aeroelasticity
H B Hablani	Visiting Professor	IISc Bangalore, 1972	Navigation, Guidance, and Control of Flight Vehicles

Discipline	Designation	PhD/ Last Degree	Specialization
Harish J P Madapusi	Assistant Professor	University of Michigan, Ann Arbor, 2007	Systems and control theory, system identification (data-based modeling)
Vinod Narayanan	Assistant Professor	JNCASR, 2006	Fluid mechanics
N Ramakrishanan	Visiting Professor	IIT Bombay, 1980	Manufacturing, automation & composite materials
D P Roy	Visiting Professor	Tech University Aachen, 1976	Fluid dynamics and fluid machinery
G K Sharma	Visiting Professor	Moscow Power Engineering Institute, 1974	Thermal engineering
Dilip Srinivas Sundaram	Assistant Professor	Georgia Institute of Technology, 2013	Thermofluid sciences, combustion, and energetic materials
Vineet Vashista	Assistant Professor	Columbia University, 2015	Design and control of mechanical systems
Physics			
Rupak Banerjee	Assistant Professor	University of Calcutta (Saha Institute of Nuclear Physics), 2012	Surface Physics and Material Science
Vinod Chandra	Assistant Professor	IIT Kanpur, 2009	Quark-Gluon-Plasma and relativistic heavy ion collisions
Bharadwaj Coleppa	Assistant Professor	Michigan State University, 2009	Beyond the standard model – model builidng and LHC phenomenology of new states
Shivakumar Jalod	Assistant Professor	The Pennsylvania State University, 2010	Networks - complex systems., information theory
Barun Majumdar	Assistant Professor	University of Calcuta, 2008 (ABD)	Quantum cosmology
R R Puri	Visiting Professor	Bombay University, 1981	Theoretical quantum optics, quantum mechanics, random matrix theory of quantum chaos, interaction of radiation with charged particles traversing a cavity
Sudipta Sarkar	Assistant Professor	University of Pune, IUCAA, 2009	General relativity and black hole thermodynamics
Anand Sengupta	Assistant Professor	IUCAA Pune, 2005	Detection of gravitational waves, aspects of CMB data analysis
Sandipan Sengupta	Assistant Professor	IMSc Chennai, 2011	Classical and quantum gravity
V Thiruvenkatam	Assistant Research Professor	Jiwaji University, 2009	Small molecules X-ray crystallography

*for part of the year

DISTINGUISHED HONORARY PROFESSORS

Name	Affiliation
Prof J B Joshi	DAE Homi Bhabha Distinguished Chair Professor
Prof Harinarayana Kota	Dr D S Kothari DRDO Chair at ADA, Bangalore
Prof Surendra Prasad	former Director, IIT Delhi
Prof V Rajaraman	former Chairman, Supercomputer Education and Research Centre, Indian Institute of Science, Bangalore
Prof V S Raju	former Director, IIT Delhi
Prof S P Sukhatme	Professor Emeritus, Mechanical Engineering, IIT Bombay
Prof Nitish Thakor	Professor, Biomedical Engineering, Johns Hopkins School of Medicine, USA

SCHOLARS-IN-RESIDENCE

Name	Affiliation
Dr Frederick L Coolidge	Professor, University of Colorado, USA
Dr Marjorie Greene	Special Projects Manager, Earthquake Engineering Research Institute
Dr Rubina Jasani	Lecturer, HCRI, University of Manchester
Dr Shungo Kawanishi	Professor/Advisor to the President, Japan Advanced Institute of Science & Technology
Dr Jonathan Mark Kenoyer	Professor, University of Wisconsin, Madison
Dr Manuel Ramos	Associate Professor, ISCTE, University Institute of Lisbon
Dr Nishant Shah	Institute of Culture & Aesthetics of Digital Media, Leuphana University, Lueneburg
Dr Atul Singh	Founder, CEO & Editor-in-Chief of Fair Observer

FULBRIGHT SPECIALIST

Name	Affiliation
Professor Umesh Garg	Professor, University of Notre Dame

GUEST PROFESSORS

Name	Affiliation
Dr A V Anilkumar	Professor, Vanderbilt School of Engineering
Prof Nikhil Balram	President and CEO of Ricoh Innovations Inc, USA
Dr Achintya K Bhowmik	Chief Technology Officer & General Manager Perceptual Computing Group, Intel Corporation, CA, USA
Dr R S Bisht	Joint Director General (retd), Archaeological Survey of India
Dr Rajendra Bordia	Professor and Chair, Department of Materials Science & Engineering, Clemson University, USA
Prof Bijoy Boruah	Professor, Humanities and Social Sciences Department, Indian Institute of Technology, Delhi
Dr Svetlana Brzev	Prof, Department of Civil Engineering, School of the Construction and the Environment, British Columbia Institute of Technology, Canada
Prof R P Chhabra	Professor, Department of Chemical Engineering, Indian Institute of Technology Kanpur

Name	Affiliation
Mr Michael Danino	Independent Scholar of Indian Civilization
Prof Pravinray Gandhi	Director Corporate Research, Underwriters Laboratories Inc, USA
Prof Dipan Ghosh	Professor (Retd) Physics Department, IIT Bombay
Dr Bipin Indurkhya	Cognitive Science Programme, Instytut Filozofii UJ, Poland
Mr Subodh Kumar Jain	Member Engineering (retd), Railway Board, New Delhi
Dr Rajen Jaswa	CEO & Chairman, Dyyno
Dr Kumar Neeraj Jha	Professor, Department of Civil Engineering, Indian Institute of Technology Delhi
Prof Lilavati Krishnan	Professor (retd) HSS Department, IIT Kanpur
Dr Dinesh Kant Kumar	Program Director for Biomedical Engineering, School of Electrical and Computer Systems Engineering, College of Science Engineering and Health, RMIT University, Melbourne, Australia
Dr K Chelva Kumar	Senior Executive & Governance Leader, Naperville, USA
Prof Suchitra Mathur	Associate Professor, Humanities and Social Sciences (English), Indian Institute of Technology Kanpur
Prof Achal Mehra	Journalist, Publisher, Academic
Prof Ashok Mittal	formerly with IIT Kanpur and Kellogg School of Management, Northwestern University, USA
Prof S L Narayanamurthy	formerly Dean, Academic Affairs, IITGN
Prof Sandeep Pandey	Social activist, Lucknow and co-founder, Asha for Education
Dr D C Rai	Professor, Department of Civil Engineering, Indian Institute of Technology Kanpur
Dr M B Rajani	Assistant Professor, School of Humanities, Indian Institute of Science campus, Bangalore
Dr T R Ramachandran	Visiting Professor, Nonferrous Materials Technology Development Centre, Hyderabad
Prof A Ramanathan	Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Bombay
Prof Mythily Ramaswamy	Professor, Mathematics Department, Tata Institute of Fundamental Research Centre, Bangalore
Dr G Venkatapa Rao	formerly with IIT Delhi
Prof Dheeraj Sanghi	Professor, Computer Science & Engineering, Indian Institute of Technology Kanpur
Dr Shiladitya Sengupta	Assistant Professor, Harvard Medical School Brigham & Women's Hospital
Dr Koshy Tharakan	Associate Professor, Department of Philosophy, Goa University
Dr Harry Yuklea	Research Professor, Technion Israel; Visiting Professor, ORT University, Uruguay; and San Andres University, Argentina

NON-TEACHING STAFF

Employee Name	Designation
M Armugam	Junior Laboratory Attendant
Suganya Arumugam	Junior Technical Superintendent
Viral J Asjola	Senior Library Information Assistant
Babloo	Junior Laboratory Attendant
Ramasimha B*	Junior Laboratory Assistant
Palak R Bagiya	Junior Laboratory Assistant
Sudeep Narayan Banerjee	System Analyst/Scientist B
Suvakanta Barik	Junior Technical Superintendent
Timir Yakunj Berawala	Junior Assistant
Manu Pratap Singh Bhadauria	Physical Training Instructor
Ram Babu Bhagat	Assistant Registrar
Rahulendra Bhaskar	Junior Technical Superintendent
Tushar H Brahmbhatt	Junior Laboratory Attendant
K C Chandrajith	Junior Superintendent
Pannaben P Chaudhari	Senior Library Information Assistant
G C Chaudhary	Superintending Engineer
Rohitkumar B Chaudhary	Junior Technical Superintendent
Mayur N Chauhan*	Junior Laboratory Attendant
Krupeshkumar P Chauhan	Junior Accountant
Yashvant Kumar K Chauhan	Assistant Engineer
Prem Kumar Chopra	Registrar
Balkrishna J Darji*	Senior System Analyst
Tapas Kumar Das	Senior Library Information Assistant
Sonali S Dawada	Junior Assistant
Dineshbhai B Desai	Junior Laboratory Attendant
Supin Gopi	Junior Technical Superintendent
Memo Gupta	Junior Account Officer
Tej Bahadur Gurung	Junior Assistant
Laxmi P Hirani	Junior Lab Assistant
Yogesh Dattatraya Jade	Junior Superintendent
Meena Joshi	Assistant Registrar
Ashwin R K	Junior Technical Superintendent
Jithesh V K	Junior Superintendent
Sanjaykumar Karshanbhai Kachiya*	Junior Laboratory Assistant
Navdiwala Ankur Kanchanlal	Junior Laboratory Assistant
Dharmeshkumar V Kapadiya	Junior Laboratory Attendant
Hani M Khamar	Junior Assistant
Ram Nivas Kumavat	Executive Engineer
T S Kumbar	Librarian
Pijush Majumdar	Assistant Registrar
Prashant G Makwana	Junior Assistant
Saumya Malavia	Junior Assistant

Employee Name	Designation
Jay Mehta	Junior Accountant
Shreejit B Menon	Junior Superintendent
Tanha Modi	Junior Assistant
Dharmendrakumar S Panchal	Junior Engineer
Sanjeev Kumar Pandey	Junior Account Officer
Pragnesh D Parekh	Junior Technical Superintendent
Dinesh H Parmar	Physical Training Instructor
Darshan C Patel	Junior Assistant
Sanketkumar J Patel	Junior Technical Superintendent
Arika K Patel	Junior Accountant
Kamini A Patel	Junior Assistant
Sanjaykumar T Patel	Junior Laboratory Assistant
Bhikhabhai R Patel	Junior Laboratory Attendant
Jignesh S Patel	Junior Laboratory Assistant
Twinkle Patel	Junior Account Officer
Harshad Kumar J Patel	Junior Account Officer
Akash Mahendra Kumar Patel	Junior Superintendent
Ramanand L Prajapati	Junior Laboratory Attendant
Narendra J Rabadiya	Junior Assistant
Santosh Raut	Junior Superintendent
Shashin A Raval	Assistant Registrar
Pavitra Kumar Rout	Junior Accountant
Komal Sangtani	Junior Assistant
Sujit Kumar Shah	Junior Assistant
Viral Y Shah	Junior Superintendent
Jigar Shah	Junior Account Officer
Mukesh Sharma	Staff Nurse
Gaurav Shukla	Junior Superintendent
Nitin Shukla	Junior Technical Superintendent
Gaurav Kumar Singh	Junior Assistant
Narendrakumar M Solanki	Junior Accountant
Mrugesh R Solanki	Junior Superintendent
Tenils Wilsonbhai Solanki	Junior Superintendent
Rohit Pranav Somabhai	Assistant Registrar
Nileshkumar B Soni	Junior Engineer
Una Sujit	Junior Superintendent
Sachin S Tawde	Junior Technical Superintendent
Prabhuji Thakor	Junior Laboratory Attendant
Supresh Thaleshari	Junior Laboratory Attendant
Sunny Thomas	Junior Laboratory Assistant
Hiren P Vadhavana	Junior Laboratory Assistant
Dipen Mahendrabhai Vaghani	Junior Assistant
Rajendra Vaishnav	Junior Account Officer
Piyushbhai P Vankar	Junior Assistant
Nand Lal Vishwakarma	Junior Superintendent
Rahul Wadhwani	Junior Accountant

* for part of the year

PHD SCHOLARS

Name of the Student	Discipline	Supervisor/ Programme Advisor
Vichitra Behel	Biological Engineering	Prof Sivapriya K
Rashmi Bhakuni	Biological Engineering	Prof Sivapriya Kirubakaran
Pallavi Chilka	Biological Engineering	Prof Bhaskar Datta
Geethanjali Savithri Dhakshinamurthy	Biological Engineering	Prof Superb Mishra & Prof Sharmistha Majumdar
Vivek Digamberrao Farkade	Biological Engineering	Prof Sharad Gupta
Joshna Dharmendrabhai Gadhavi	Biological Engineering	Prof Sharad Gupta
Sanghavi Hiral Manojkumar	Biological Engineering	Prof Sharmistha Majumdar
Sanjay Kumar	Biological Engineering	Prof Bhaskar Datta
Patel Manthan Maheshbhai	Biological Engineering	Prof Umashankar Singh
Nalini Natarajan	Biological Engineering	Prof Vijay Thiruvenkatam
Abhijeet Ojha	Biological Engineering	Prof Prachi Thareja
Gayathri P	Biological Engineering	Prof Vijay Thiruvenkatam
Poonam Pandey	Biological Engineering	Prof Sairam Swaroop Mallajosyula
Divyeshkumar Amrutbhai Patel	Biological Engineering	Prof Umashankar Singh
Nishaben Patel	Biological Engineering	Prof Virupakshi Soppina
Krittika Ralhan	Biological Engineering	Prof Sharad Gupta
Indumathi S	Biological Engineering	Prof Sameer V Dalvi Prof Sivapriya Kirubakaran
Siddhant Bhoir	Biological Engineering	Prof Sivapriya Kirubakaran
Vasudha Sharma	Biological Engineering	Prof Sharmistha Majumdar
Guru Krishnakumar Viswanathan	Biological Engineering	Prof Sharad Gupta
Shital Arunbhai Amin	Chemical Engineering	Prof Nitin Padhiyar Prof Pratyush Dayal
Nidhi Anand	Chemical Engineering	Prof Pratyush Dayal
Saroj Kumar Das	Chemical Engineering	Prof Kabeer Jasuja
Deepa Dixit	Chemical Engineering	Prof Chinmay Ghoroi
Gunda Harini	Chemical Engineering	Prof Kabeer Jasuja
Asha Liza James	Chemical Engineering	Prof Kabeer Jasuja
Vikram Ashok Karde	Chemical Engineering	Prof Chinmay Ghoroi
Siddharth Vijay Kulkarni	Chemical Engineering	Prof Prachi Thareja
D Jaya Prasana Kumar	Chemical Engineering	Prof Pratyush Dayal
Saket Kumar	Chemical Engineering	Prof Prachi Thareja
Patel Narendra Madhavlal	Chemical Engineering	Prof Nitin Padhiyar
Sanat Chandra Maiti	Chemical Engineering	Prof Chinmay Ghoroi
Priyanka Kameswari Mani Nemani	Chemical Engineering	Prof Sameer Dalvi
Hariharan P	Chemical Engineering	Prof J B Joshi & Prof Sharad Gupta
Komal Upendra Pandey	Chemical Engineering	Prof Sameer V Dalvi
Vighnesh Prasad	Chemical Engineering	Prof Prachi Thareja
Rupanjali Gurprasad Prasad	Chemical Engineering	Prof Sameer V Dalvi
Patil Parag Shankar	Chemical Engineering	Prof Rajagopalan Srinivasan
Awaneesh Kumar Upadhyay	Chemical Engineering	Prof Sameer V Dalvi

Name of the Student	Discipline	Supervisor/ Programme Advisor
Sophia Varghese	Chemical Engineering	Prof Chinmay Ghoroi
Neetu Varun	Chemical Engineering	Prof Chinmay Ghoroi
Afsar Ali	Chemistry	Prof Bhaskar Datta
Deekshi Angira	Chemistry	Prof Vijay Thiruvenkatam & Prof Sivapriya Kirubakaran
Naresh Balsukuri	Chemistry	Prof Iti Gupta
Palakollu Veera Bhadraiah	Chemistry	Prof Sriram Kanvah Gundimeda
Anuj Bisht	Chemistry	Prof Sudhanshu Sharma
Sudipta Das	Chemistry	Prof Iti Gupta
Venkata Mani Padmaja Duppalapudi	Chemistry	Prof Bhaskar Datta
Praseetha E K	Chemistry	Prof Iti Gupta
Bhanu Pratap Singh Gangwar	Chemistry	Prof Sudhanshu Sharma
Palash Jana	Chemistry	Prof Bhaskar Datta
Javeena	Chemistry	Prof Sivapriya Kirubakaran
Shikha Khandelwal	Chemistry	Prof Arnab Dutta
Katla Jagadish Kumar	Chemistry	Prof Sriram Kanvah Gundimeda
Kum Beena Kumari	Chemistry	Prof Bhaskar Datta
Mahesh Kutwal	Chemistry	Prof Chandrakumar Appayee
Sarkale Abhijeet Madhukar	Chemistry	Prof Chandrakumar Appayee
Amarjyoti Das Mahapatra	Chemistry	Prof Bhaskar Datta
Neha Manav	Chemistry	Prof Bhaskar Datta
Vidyasagar Maurya	Chemistry	Prof Bhaskar Datta
Vijayalakshmi Pandey	Chemistry	Prof Iti Gupta
Prathap Reddy Patlolla	Chemistry	Prof Bhaskar Datta
Srimadhavi R	Chemistry	Prof Bhaskar Datta
Varsha Thambi	Chemistry	Prof Bhaskar Datta
Lata Rani	Chemistry	Prof Sairam Swaroop Mallajosyula
Hadianawala Murtuza Shabbirali	Chemistry	Prof Bhaskar Datta
Althaf Shaik	Chemistry	Prof Sivapriya Kirubakaran
Anju Tyagi	Chemistry	Prof Bhaskar Datta
Anuji K V	Chemistry	Prof Sriram Kanvah Gundimeda
Divya Vyas	Chemistry	Prof Sudhanshu Sharma
Saran Aadhar	Civil Engineering	Prof Vimal Mishra
Haider Ali	Civil Engineering	Prof Vimal Mishra
Nakrani Dharmit Ashwin	Civil Engineering	Prof Dhiman Basu
Abhigna Sandipkumar Bhatt	Civil Engineering	Prof Gaurav
Debayan Bhattacharya	Civil Engineering	Prof Amit Prashant
Pavan Kumar Chamling	Civil Engineering	Prof Amit Prashant
Majid Hussain	Civil Engineering	Prof Ajanta Sachan
Prajakta Ramesh Jadhav	Civil Engineering	Prof Amit Prashant
Rajkumari Kaurav	Civil Engineering	Prof Pranab Kumar Mohapatra
Nasar Ahmad Khan	Civil Engineering	Prof Gaurav
Prabhat Kumar	Civil Engineering	Prof Pranab Kumar Mohapatra
Rahul Kumar	Civil Engineering	Prof Pranab Kumar Mohapatra
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Name of the Student	Discipline	Supervisor/ Programme Advisor
Saloni Prashant Pandya	Civil Engineering	Prof Ajanta Sachan
Patnayakuni Ravi Prakash	Civil Engineering	Prof Gaurav
Gopala Krishna Rodda	Civil Engineering	Prof Dhiman Basu
Saboo Anirudh Satishkumar	Civil Engineering	Prof Dhiman Basu
Reepal Dinesh Shah	Civil Engineering	Prof Vimal Mishra
Harsh Lovekumar Shah	Civil Engineering	Prof Vimal Mishra
Shashank Shekhar	Civil Engineering	Prof Pranab Kumar Mohapatra
Sunnda	Civil Engineering	Prof Ketki Sharma
Kaling Taki	Civil Engineering	Prof Ajanta Sachan
Amar Deep Tiwari	Civil Engineering	Prof Pranab Mohapatra
Nithin George	Cognitive Science	Prof Meera Mary Sunny
Anvita Gopal	Cognitive Science	Prof Meera Mary Sunny
Shruti Goyal	Cognitive Science	Prof Krishna Miyapuram
Vishav Jyoti	Cognitive Science	Prof Meera Mary Sunny
Pradeep Raj KB	Cognitive Science	Prof Uttama Lahiri
Krishnesh Shantilal Mehta	Cognitive Science	Prof Jaison Manjaly
Veli Milind Mehta	Cognitive Science	Prof Jaison Manjaly
Dineshkumar S	Cognitive Science	Prof Pratik Mutha
Abhishek Sahai	Cognitive Science	Prof Jaison Manjaly
Tony Thomas	Cognitive Science	Prof Meera Mary Sunny
Goldy Yadav	Cognitive Science	Prof Pratik Mutha
Rachit Chhaya	Computer Science and Engineering	Prof Kamalakar Karlapalem
Murali Krishna Enduri	Computer Science and Engineering	Prof Bireswar Das Prof Shivakumar Jolad
Suyash Kandele	Computer Science and Engineering	Prof Souradyuti Paul
Indra Deep Mastan	Computer Science and Engineering	Prof Souryatyuti Pal
Sudhakar Kumawat	Computer Science and Engineering	Prof Souradyuti Paul
Priodyuti Pradhan	Computer Science and Engineering	Prof Anirban Dasgupta & Prof Shivakumar Jolad
I Vinod Kumar Reddy	Computer Science and Engineering	Prof Bireswar Das
Shiv Dutt Sharma	Computer Science and Engineering	Prof Bireswar Das
Supratim Shit	Computer Science and Engineering	Prof Anirban Dasgupta
Ananya Shrivastava	Computer Science and Engineering	Prof Souradyuti Paul
Sujata Sinha	Computer Science and Engineering	Prof Krishna Prasad
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Shantamoy Guha	Earth Science	Prof Vikrant Jain

Name of the Student	Discipline	Supervisor/ Programme Advisor
Rahul Kumar Kaushal	Earth Science	Prof Vikrant Jain
Richa Marwaha	Earth Science	Prof Vikrant Jain & Prof Pradeep Srivastava
Ravi Kant Prasad	Earth Science	Prof Vikrant Jain & Prof Sunil Kumar Singh (PRL)
Ramendra Sahoo	Earth Science	Prof Vikrant Jain
Sonam	Earth Science	Prof Vikrant Jain
Rishabh Abhinav	Electrical Engineering	Prof Naran Pindoriya
Balaganesh B	Electrical Engineering	Prof Naran Pindoriya
Patel Nikita Bharatbhai	Electrical Engineering	Prof Babji Srinivasan & Prof Rajgopalan Srinivasan
Sankha Subhra Bhattacharjee	Electrical Engineering	Prof Nithin George
Punitkumar Kanubhai Bhavsar	Electrical Engineering	Prof Babji Srinivasan & Prof Rajagopalan Srinivasan
Adyasha Dash	Electrical Engineering	Prof Uttama Lahiri
Kadam Sujay Dilip	Electrical Engineering	Prof Harish PM
Ganeriwala Mohit Dineshkumar	Electrical Engineering	Prof Nihar Ranjan Mohapatra
Naveen Kumar Endla	Electrical Engineering	Prof Ragavan K
Piue Ghosh	Electrical Engineering	Prof Arup Lal Chakraborty
Chandan Kumar Jha (15350004)	Electrical Engineering	Prof Arup Lal Chakraborty
Chandan Kumar Jha (15350009)	Electrical Engineering	Prof Joycee Mekie
Kalpeshkumar Arvindbhai Joshi	Electrical Engineering	Prof Naran Pindoriya
Sharad Joshi	Electrical Engineering	Prof Uttama Lahiri
Gagan Kanojia	Electrical Engineering	Prof Shanmughanathan Raman
Pardeep Kumar	Electrical Engineering	Prof Nihar Ranjan Mohapatra & Prof Babji Srinivasan
Deepesh Kumar	Electrical Engineering	Prof Uttama Lahiri
Selvia Kuriakose	Electrical Engineering	Prof Uttama Lahiri
Satya Sivanaresh M	Electrical Engineering	Prof Nihar Ranjan Mohapatra
Satyajit Mohapatra	Electrical Engineering	Prof Nihar Ranjan Mohapatra
Rajendra Nagar	Electrical Engineering	Prof Shanmuganathan Raman
Apoorva Ojha	Electrical Engineering	Prof Nihar Ranjan Mohapatra
Vinal Patel	Electrical Engineering	Prof Nithin V George
Diptiben Patel	Electrical Engineering	Prof Shanmuganathan Raman
Bala Sai Kiran Patnam	Electrical Engineering	Prof Uttama Lahiri
Madhu K	Electrical Engineering	Prof Rajagopalan Srinivasan & Prof Babji Srinivasan
Manju Bhashini R	Electrical Engineering	Prof Ragavan K and Prof Naran M Pindoriya
Batchu Rajasekhar	Electrical Engineering	Prof Naran Pindoriya
Gupta Vikas Rajkumar	Electrical Engineering	Prof Shanmuganathan Raman
Laya Das	Electrical Engineering	Prof Babji Srinivasan
Dwaipayan Ray	Electrical Engineering	Prof Nithin V George
Anirban Roy	Electrical Engineering	Prof Arup Lal Chakraborty
Zarin A S	Electrical Engineering	Prof Arup Lal Chakraborty
Bhoir Mandar Suresh Smita	Electrical Engineering	Prof Nihar Ranjan Mohapatra

Name of the Student	Discipline	Supervisor/ Programme Advisor
Dhaval Shashikantbhai Solanki	Electrical Engineering	Prof Uttama Lahiri
Neelam Surana	Electrical Engineering	Prof Joycee Mekie
Abhishek Upadhyay	Electrical Engineering	Prof Arup Lal Chakraborty
Naveen Deepak V	Electrical Engineering	Prof Ragavan K
Vishal Vashistha	Electrical Engineering	Prof Ravi Hegde
Sneha Nitin Ved	Electrical Engineering	Prof Joycee Mekie
Vinay Verma	Electrical Engineering	Prof Nitin Khanna
Dyotana Banerjee	Humanities and Social Sciences	Prof Mona Mehta
Jahnu Bharadwaj	Humanities and Social Sciences	Prof Madhumita Sengupta
Manisha Chawla	Humanities and Social Sciences	Prof Krishna Prasad
Anusmita Devi	Humanities and Social Sciences	Prof Tannistha Samanta
Jagriti Gangopadhyay	Humanities and Social Sciences	Prof Tannistha Samanta
Annie Rachel Sam George	Humanities and Social Sciences	Prof Arnapurna Rath
Mukta Gundi	Humanities and Social Sciences	Prof Malavika Subramanyam
Prakash Gupta	Humanities and Social Sciences	Prof Malavika Subramanyam
Vasudeva Naidu K	Humanities and Social Sciences	Prof Srinivas Reddy
Sanchit Kharwal	Humanities and Social Sciences	Prof Jaison Manjaly
Ingole Prashant Ramprasad	Humanities and Social Sciences	Prof Mona Mehta & Prof Rita Kothari
Nagireddy Neelakanteswar Reddy	Humanities and Social Sciences	Prof Jaison Manjaly
Venkateswaran S	Humanities and Social Sciences	Prof Madhumita Sengupta
Ankita Rameshkumar Shah	Humanities and Social Sciences	Prof Malavika Subramanyam
Krupa Shah	Humanities and Social Sciences	Prof Rita Kothari
Divita Singh	Humanities and Social Sciences	Prof Meera Mary Sunny
Vijay Ramkaran Tripathi	Humanities and Social Sciences	Prof Ramanathan
Ankita Arora	Materials Science and Engineering	Prof Abhijit Mishra
Narendra Bandaru	Materials Science and Engineering	Prof Emila Panda
Singh Chetan Chandan	Materials Science and Engineering	Prof Emila Panda
Nilabh Dish	Materials Science and Engineering	Prof Abhay Raj Singh Gautam
Deepak Dwivedi	Materials Science and Engineering	Prof Emila Panda
Pallawi Gupta	Materials Science and Engineering	Prof Superb Mishra
Sasmita Majhi	Materials Science and Engineering	Prof Abhijit Mishra
Krishna Manwani	Materials Science and Engineering	Prof Emila Panda
Rohit Mishra	Materials Science and Engineering	Prof S P Mehrotra
Garikapati Nagasarvari	Materials Science and Engineering	Prof Emila Panda
Sheetal Rameshchandra Pandya	Materials Science and Engineering	Prof Amit Arora

Name of the Student	Discipline	Supervisor/ Programme Advisor
Pankaj	Materials Science and Engineering	Prof Amit Arora
Archini Paruthi	Materials Science and Engineering	Prof Superb Misra
Tvarit Ashokbhai Patel	Materials Science and Engineering	Prof Emila Panda
Poonam Ratrey	Materials Science and Engineering	Prof Abhijit Mishra
Mahesh VP	Materials Science and Engineering	Prof Amit Arora
Gaurav Dwivedi	Mathematics	Prof Jagmohan Tyagi
Dharmendra Kumar	Mathematics	Prof Jagmohan Tyagi
Rahul Kumar	Mathematics	Prof Indranath Sengupta
Ranjana Mehta	Mathematics	Prof Indranath Sengupta
Madhu Gupta	Mathematics	Prof Indranath Sengupta
Ram Baran Verma	Mathematics	Prof Jagmohan Tyagi
Althaf A	Mechanical Engineering	Prof H B Hablani
Zeeshan Ahmed	Mechanical Engineering	Prof Atul Bhargav
Sarode Ajinkya Ashok	Mechanical Engineering	Prof Atul Bhargav
Renika Baruah	Mechanical Engineering	Prof Atul Bhargav
Rameshkumar M Bhoraniya	Mechanical Engineering	Prof Vinod Narayanan
Roshan Anandrao Chavan	Mechanical Engineering	Prof Harish PM
Ranjita Dash	Mechanical Engineering	Prof Harish P M
Yogesh Shantaram Fulpagare	Mechanical Engineering	Prof Atul Bhargav
Ravi Kant	Mechanical Engineering	Prof Vinod Narayanan
Adarsh Kumar	Mechanical Engineering	Prof Pratik Mutha
Rishabh Mathur	Mechanical Engineering	Prof Atul Bhargav
Vrutangkumar Vinodkumar Shah	Mechanical Engineering	Prof Harish PM
Vivek Kumar Singh	Mechanical Engineering	Prof Atul Bhargav
Ankita Sinha	Mechanical Engineering	Prof Atul Bhargav
Fairoos C	Physics	Prof Sudipta Sarkar
Sharmistha Chatterjee	Physics	Prof Anand Sengupta
Mohammad Yousuf Jamal	Physics	Prof Vinod Chandra
Amit Reza	Physics	Prof Anand Sengupta
Soumen Roy	Physics	Prof Anand Sengupta
Chakresh Singh	Physics	Prof Shivakumar Jolad
Abinash Swain	Physics	Prof Anand Sengupta
Richa Tripathi	Physics	Prof Shivakumar Jolad

PHD SCHOLARS UNDER IITGN-PRL MoU

Name of the Student	Discipline
Harsh Oza	Earth Science
Harsh Raj	Earth Science
Naman Deep Singh	Earth Science
Aman Abhishek	Physics
Richa Arya	Physics

Name of the Student	Discipline
Ashish	Physics
Rukmani Bai	Physics
Soumik Bandyopadhyay	Physics
Pankaj Bhalla	Physics
Akansha Bhardwaj	Physics
Bharti	Physics

Name of the Student	Discipline	Name of the Student	Discipline
Raju Kumar Biswas	Physics	Subir Mandal	Physics
Nijil Lal CK	Physics	Arvind Mishra	Physics
Kaustav Chakraborty	Physics	Apurv Chaitanya N	Physics
Tanmoy Chattopadhyay	Physics	Newton Nath	Physics
Aarthy E	Physics	Arun Kumar Pandey	Physics
Manu George	Physics	Archita Rai	Physics
Shivangi Gupta	Physics	Pandey Kuldeep Rambabu	Physics
Chandan Hati	Physics	Kumar Venkataramani	Physics
Tanmoy Mondal	Physics	Ranadeep Sarkar	Physics
Chauhan Bhavesh Jaikumar	Physics	Varun Sharma	Physics
Vishnudath KN	Physics	Balbeer Singh	Physics
Deepak K Karan	Physics	Kuldeep Suthar	Physics
Navpreet Kaur	Physics	Alok Ranjan Tiwary	Physics
Girish Kumar	Physics	Gaurav Kumar Tomar	Physics
Pradeep Kumar	Physics	Nidhi Tripathi	Physics
Prashant Kumar	Physics	Shefali Uttam	Physics

MTECH STUDENTS

2015 BATCH

Name of the Student	Discipline	Supervisor/ Programme Advisor
Jaideep Pal	Chemical Engineering	Prof Sameer Dalvi
Bhawna Panjwani	Chemical Engineering	Prof Sameer Dalvi
Garima Patel	Chemical Engineering	Prof Sameer Dalvi
Mandale Snehal Dharmik Pramila	Chemical Engineering	Prof Sameer Dalvi
Dhuri Sagar Suresh	Chemical Engineering	Prof Sameer Dalvi
Amjeth Basheer	Civil Engineering	Prof Amit Prashant & Prof Ajanta Sachan
Kaustubh Deshpande	Civil Engineering	Prof Manish Kumar
Prakash Gautam	Civil Engineering	Prof Vimal Mishra
Rajdeep Ghosh	Civil Engineering	Prof Manish Kumar
Kanika Gupta	Civil Engineering	Prof Ajanta Sachan & Prof Ketki Sharma
Pariveeksha Joshi	Civil Engineering	Prof Pranab Mohapatra
Rimpy Khokhar	Civil Engineering	Prof Sudhir K Jain & Prof Manish Kumar
Kolli Mohan Krishna	Civil Engineering	Prof Amit Prashant & Prof Dhiman Basu
Rishabh Mishra	Civil Engineering	Prof Pranab Mohapatra
Aalok Narayan	Civil Engineering	Prof Manish Kumar
Botlapati Sri Sahith	Civil Engineering	Prof Ashwini Kumar
Shubham Soni	Civil Engineering	Prof Amit Prashant
Lambhate Harshal Sandesh Sushama	Civil Engineering	Prof Gaurav Srivastava
Kushwaha Amarkumar Ayodhyasingh	Electrical Engineering	Prof Arup Lal Chakraborty
Deshpande Ameya Dilip Dipa	Electrical Engineering	Prof Arup Lal Chakraborty

Name of the Student	Discipline	Supervisor/ Programme Advisor
Shah Hemal Gautamkumar	Electrical Engineering	Prof Arup Lal Chakraborty
K Shravan Kumar	Electrical Engineering	Prof Arup Lal Chakraborty
Neha Kumari	Electrical Engineering	Prof Arup Lal Chakraborty
Luxmi	Electrical Engineering	Prof Arup Lal Chakraborty
Rajarapu Nagaraju	Electrical Engineering	Prof Arup Lal Chakraborty
Gupta Akash Nandlal	Electrical Engineering	Prof Arup Lal Chakraborty
Neeraj	Electrical Engineering	Prof Arup Lal Chakraborty
Sompura Jay Nileshbhai	Electrical Engineering	Prof Arup Lal Chakraborty
Sakshi Pandey	Electrical Engineering	Prof Arup Lal Chakraborty
Patel Valay Paresh	Electrical Engineering	Prof Arup Lal Chakraborty
Neetesh Kumar Sharma	Electrical Engineering	Prof Arup Lal Chakraborty
Anurag Soni	Electrical Engineering	Prof Arup Lal Chakraborty
Ashish Soni	Electrical Engineering	Prof Arup Lal Chakraborty
Hemant Kumar Verma	Electrical Engineering	Prof Arup Lal Chakraborty
Rakesh Behera	Materials Science and Engineering	Prof Abhijit Mishra
Prateek Goyal	Materials Science and Engineering	Prof Abhijit Mishra
Sahil Bharti	Mechanical Engineering	Prof Atul Bhargav
Anurag R Chandnani	Mechanical Engineering	Prof Atul Bhargav
Davinder	Mechanical Engineering	Prof Atul Bhargav
Ronit Dey	Mechanical Engineering	Prof Atul Bhargav
Nikhil Joshi	Mechanical Engineering	Prof Atul Bhargav
Pragati Pradip Joshi	Mechanical Engineering	Prof Atul Bhargav
Mayuri Kushare	Mechanical Engineering	Prof Atul Bhargav
Amalnath M	Mechanical Engineering	Prof Atul Bhargav
Aniket Mazumder	Mechanical Engineering	Prof Atul Bhargav
Korat Chirag Mukeshbhai	Mechanical Engineering	Prof Atul Bhargav
Baishali Panda	Mechanical Engineering	Prof Atul Bhargav
Akhil Patnaik	Mechanical Engineering	Prof Atul Bhargav
Deepjit Paul	Mechanical Engineering	Prof Atul Bhargav
Pinjari Nehakausar Shaikh Ramjan	Mechanical Engineering	Prof Atul Bhargav
Sidhartha Rath	Mechanical Engineering	Prof Atul Bhargav
Nakka Suryasatyasanjeevi	Mechanical Engineering	Prof Atul Bhargav
Kamal Tewari	Mechanical Engineering	Prof Atul Bhargav
Chimane Pratik Tulsiram	Mechanical Engineering	Prof Atul Bhargav

2014 BATCH

Name of the Student	Discipline	Supervisor/ Programme Advisor
Chatte Amruta Bharat	Chemical Engineering	Prof Sameer V Dalvi
Shreya Bunk	Chemical Engineering	Prof Chinmay Ghoroi
Kritika Dixit	Chemical Engineering	Prof Chinmay Ghoroi
Zade Anita Dnyanba	Chemical Engineering	Prof Nitin Padhiyar
Mohd Umair Iqbal	Chemical Engineering	Prof Rajagopalan Srinivasan
Mankad Jaivik Kartik	Chemical Engineering	Prof Nitin Padhiyar

Name of the Student	Discipline	Supervisor/ Programme Advisor
Akash Kumar	Chemical Engineering	Prof Babji Srinivasan
Arable Reshma Mallinath	Chemical Engineering	Prof Babji Srinivasan
Swasti Medha	Chemical Engineering	Prof Kabeer Jasuja
Rahul Patsariya	Chemical Engineering	Prof Sameer V Dalvi
Modak Shrikant Ramrao	Chemical Engineering	Prof Prachi Thareja
Mallavarapu Deepika Rani	Chemical Engineering	Prof Babji Srinivasan
Devina Ratnam	Chemical Engineering	Prof Kabeer Jasuja
Ekta Sharma	Chemical Engineering	Prof Chinmay Ghoroi
Nikhil Sharma	Chemical Engineering	Prof Pratyush Dayal
Kumari Sushmita	Chemical Engineering	Prof Arnab Sarkar
Dheeraj Tyagi	Chemical Engineering	Prof Nitin Padhiyar
Rajput Vandana	Chemical Engineering	Prof Pratyush Dayal
Ankita Verma	Chemical Engineering	Prof Prachi Thareja
Syed Azhar Ali	Civil Engineering	Prof Vimal Mishra
Asim Bashir	Civil Engineering	Prof Dhiman Basu
Ahmad Zaki Ghafari	Civil Engineering	Prof Dhiman Basu
Vikalp Kamal	Civil Engineering	Prof Amit Prashant
Keerthi Priya Kasturi	Civil Engineering	Prof Vimal Mishra
Ghumde Atik Kishorrao	Civil Engineering	Prof Gaurav Shrivastava
Pavan Kushwah	Civil Engineering	Prof Gaurav Shrivastava
Rojan Mathew	Civil Engineering	Prof Dhiman Basu
Manas Chandan Mishra	Civil Engineering	Prof Ajanta Sachan
Harshit Nema	Civil Engineering	Prof Dhiman Basu
Nikita Rankawat	Civil Engineering	Prof Sudhir K Jain & Prof Svetlana Brzev
Nandhita J S	Civil Engineering	Prof Vimal Mishra
Bidhan Kumar Sahu	Civil Engineering	Prof Pranab Mohapatra & Prof Ketki Sharma
Ankti Srivastava	Civil Engineering	Prof Amit Prashant
Mohmad Mohsin Thakur	Civil Engineering	Prof Amit Prashant
Pujari Omkar Abhay	Electrical Engineering	Prof Joycee Mekie
Umap Abhijit	Electrical Engineering	Prof Nihar Ranjan Mohapatra
Rachita Agrawal	Electrical Engineering	Prof Nihar Mohapatra
Rohit Kumar Dang	Electrical Engineering	Prof Nihar Mohapatra
Kumar Gaurav	Electrical Engineering	Prof Babji Srinivasan
Ritika Jain	Electrical Engineering	Prof Uttama Lahiri
Rathod Milanbhai Jayantibhai	Electrical Engineering	Prof Nithin V George
Raminder Kaur	Electrical Engineering	Prof Joycee Mekie
Aipathi Sai Kiran	Electrical Engineering	Prof Ragavan K
Nikhil Cherian Kurian	Electrical Engineering	Prof Nithin V George
Adarsh M	Electrical Engineering	Prof Joycee Mekie
Jyoti Maheshwari	Electrical Engineering	Prof Nithin V George
Vora Aditya Narendrabhai	Electrical Engineering	Prof Shanmuganathan Raman
Akshay Gadi Patil	Electrical Engineering	Prof Shanmuganathan Raman
Gundabathini Rakesh	Electrical Engineering	Prof Naran M Pindoriya

Name of the Student	Discipline	Supervisor/ Programme Advisor
Saripalli Venkat Ramakrishna	Electrical Engineering	Prof Nihar Mohapatra
Bhajipale Jayshree Sadashiv	Electrical Engineering	Prof Nihar Mohapatra
Rahul Sadhwani	Electrical Engineering	Prof Ragavan K
Puchalapalli Sambasivaiah	Electrical Engineering	Prof Naran Pindoriya
Nikhil Singh	Electrical Engineering	Prof S Rajendran
Bhoomika Sonane	Electrical Engineering	Prof Shanmuganathan Raman
Chakraborty Priti Sridhar	Electrical Engineering	Prof Arup Lal Chakraborty
Patel Megh Vasantkumar	Electrical Engineering	Prof Uttama Lahiri
Sunny Verma	Electrical Engineering	Prof Uttama Lahiri
Manish Kumar Viswkarma	Electrical Engineering	Prof Nihar Mohapatra
Sarkar Aditya Anjan	Materials Science and Engineering	Prof Jyoti Mukhopadhyay
Ipsita Madhu Mita Das	Materials Science and Engineering	Prof Jyoti Mukhopadhyay
Amit Kumar	Materials Science and Engineering	Prof Jyoti Mukhopadhyay
Niladri Naskar	Materials Science and Engineering	Prof Jyoti Mukhopadhyay
Seema Negi	Materials Science and Engineering	Prof Superb Mishra
Amit Kumar Singh	Materials Science and Engineering	Prof Amit Arora
Diljit V J	Materials Science and Engineering	Prof Emila Panda
Parikh Darshak Anantkumar	Mechanical Engineering	Prof N Ramakrishnan
Mohit Garg	Mechanical Engineering	Prof Harish P M
Rajanikant Atul Ghate	Mechanical Engineering	Prof Harish P M
Abheeti Goyal	Mechanical Engineering	Prof Murali Damodaran
Vishnu Kumar Gupta	Mechanical Engineering	Prof Atul Bhargav
Ayush Jain	Mechanical Engineering	Prof Pranab Mohapatra
Jhaveri Anshal Jayeshbhai	Mechanical Engineering	Prof Atul Bhargav
Abhishek Joshi	Mechanical Engineering	Prof Vinod Narayan
Brijesh Kumar	Mechanical Engineering	Prof Atul Bhargav
Aditya Kumar Maharana	Mechanical Engineering	Prof Hablani
Shah Utsav Mineshbhai	Mechanical Engineering	Prof Harish P M
Vachhani Milankumar Niteshbhai	Mechanical Engineering	Prof Vinod Narayan
Behere Siddhartha Ravindra	Mechanical Engineering	Prof Murali Damodaran
Singh Sumit Subhash Rita	Mechanical Engineering	Prof Pranab Mohapatra
Vikas Sharma	Mechanical Engineering	Prof Atul Bhargav
Satya Shrivastav	Mechanical Engineering	Prof Shankarjee Krishnamoorthi
Nikhil Singh	Mechanical Engineering	Prof Shankarjee Krishnamoorthi
Swapnil	Mechanical Engineering	Prof Vinod Narayan
Tibin M Thomas	Mechanical Engineering	Prof Vinod Narayan & Prof G K Sharma
Gurnani Sagarkumar Vijaykumar	Mechanical Engineering	Prof Pranab Mohapatra
Sawadiawala Chirag Yogeshkumar	Mechanical Engineering	Prof Pranab Mohapatra

2013 BATCH

Name of the Student	Discipline	Supervisor/ Programme Advisor
Prafull Mani Tripathi	Chemical Engineering	Prof Sameer V Dalvi
Ravi Verma	Civil Engineering	Prof Dhiman Basu
Divyaprakash	Mechanical Engineering	Prof Pranab Mohapatra
Sandeep Kumar Mishra	Mechanical Engineering	Prof Harish P M

MSc STUDENTS

2015 BATCH

Name of the Student	Discipline
Jyotirban Dey	Chemistry
Mohammad Hassan	Chemistry
Umesh Kumar	Chemistry
Vivek Nagayach	Chemistry
Sachin	Chemistry
Jyotsna Saini	Chemistry
Himanshu Kumar Singh	Chemistry
Mridupavan Sonowal	Chemistry
Kotha Srinu	Chemistry
Ayushi Tyagi	Chemistry
Vani Verma	Chemistry
Vamakshi Yadav	Chemistry
Pastakia Taronish Astad	Cognitive Science
Sohhom Bandyopadhyay	Cognitive Science
S Grace Tinnunnem Haokip	Cognitive Science
Narmadha N	Cognitive Science
Lakshmi Pillai	Cognitive Science
Richard Shallam	Cognitive Science
Bharatesh Rayappa Shiraguppi	Cognitive Science
Kulkarni Pranjali Shrikant	Cognitive Science
Sandhya Singh	Cognitive Science
Sunat Archit Vilas	Cognitive Science
Manasi Wali	Cognitive Science
Babita	Mathematics
Prathu Bajpai	Mathematics
Raj Kumar Dadrawal	Mathematics
Shalini Dungdung	Mathematics
Tripti Gupta	Mathematics
Charu Gupta	Mathematics
Abhishek Kumar	Mathematics
Parveen Kumar	Mathematics
Khushi Ram Meena	Mathematics
Sonali Abhay Parekh	Mathematics
Vikash Patel	Mathematics
Rahul	Mathematics
Balu Ram	Mathematics
Priyanka Rana	Mathematics
Sudhansu Sekhar Ray	Mathematics
Sanjeet	Mathematics
Hrishabh Tiwari	Mathematics
Ashwani Tripathi	Mathematics
Shastri Rahul Kishorbhai	Physics
Shyam Kumar	Physics
Anirban Mandal	Physics
Soumodeep Mitra	Physics
Leema Saikia	Physics
Harvinder Singh	Physics

2014 BATCH

Name of the Student	Discipline
Payal Arora	Chemistry
Nayan Jyoti Boruah	Chemistry
Kanchan	Chemistry
Amit Kumar	Chemistry
Pavneesh Kumar	Chemistry
Rohit	Chemistry
Deepika Sharma	Chemistry
Ravi Srivastava	Chemistry
Midhula Chandran	Cognitive Science
Abhishek Gahatraj	Cognitive Science
Kishore Kumar Jagini	Cognitive Science
Devu Mahesan	Cognitive Science
Haby Koshy Mathew	Cognitive Science
Vipul Nair	Cognitive Science
Karthikeyan Palanisamy	Cognitive Science
Rakhi	Cognitive Science
Pankhuri Saxena	Cognitive Science
Dhruval Thakker	Cognitive Science

Name of the Student	Discipline
Aarti Bansal	Mathematics
Sarita Bugalia	Mathematics
Aman Gupta	Mathematics
Kartik Kumar	Mathematics
Nitesh Kumar	Mathematics
Vipin Kumar	Mathematics
Bharat Lal Meena	Mathematics
Shyam Prakash	Mathematics

Name of the Student	Discipline
Akash Kumar	Physics
Harish Madhok	Physics
Manish	Physics
Akash Kumar Mishra	Physics
Pritam Nanda	Physics
Nisha	Physics
Salman Suhail	Physics

MA IN SOCIETY & CULTURE

2015 BATCH

Name of the Student
Rohit Revi A V
Shinde Aashaka Amar
Mujeebu Rahman K C
Ragini Nath
Khobragade Prateek Pawankumar
Madan S

2014 BATCH

Name of the Student
Ratna Bharti B
Saumya Bhandari
Aakrati Gupta
Nupur Joshi
Arun Krishna
Asif Ali Lone
Tushar Meshram
Srinivas Mudavat
Bhargav Oza
Rajan Varghese
Sini Varghese
Saravanan Velusamy

PGDIIT STUDENTS

2015 BATCH

Name of the Student	Discipline
Anubha Agrawal	Chemical Engineering
Ritam Chatterjee	Mechanical Engineering
Nishant Kumar	Mechanical Engineering

2014 BATCH

Name of the Student	Discipline
Dhruvil Mukeshkumar Shah	Mechanical Engineering

2013 BATCH

Name of the Student	Discipline
Priodyuti Pradhan	Computer Science and Engineering
Rituraj Chauhan	Mechanical Engineering

BTECH STUDENTS

2015 BATCH

Name of the Student	Discipline
Avinash Joy Bara	Chemical Engineering
Purooshotam Garg	Chemical Engineering
Deepti Gautam	Chemical Engineering
Rajat Goel	Chemical Engineering
Priyanshu Ranjan Gupta	Chemical Engineering
Harsh	Chemical Engineering
Kavish Kumar	Chemical Engineering
Shiv Kumar	Chemical Engineering
Suresh Kumar	Chemical Engineering
Anusha Kamath M	Chemical Engineering
Rajeev Kumar Mahto	Chemical Engineering
Anusha Rajendra Malani	Chemical Engineering
Akhil Markam	Chemical Engineering
Vijendra Maurya	Chemical Engineering
Tejas Mehta	Chemical Engineering
Yashasvi Modi	Chemical Engineering
Akash Pallath	Chemical Engineering
Priyanka	Chemical Engineering
Koripalli Rohith	Chemical Engineering
Mihir Hitendra Salot	Chemical Engineering
Sareem Sandeed	Chemical Engineering
Tanikella Sri Savya	Chemical Engineering
Rushali Atul Prakash Saxena	Chemical Engineering
Shah Atmin Shitalbhai	Chemical Engineering
Ankur Singh	Chemical Engineering
Kunal Singhmar	Chemical Engineering
Aparna N Tumkur	Chemical Engineering
Prateek Verma	Chemical Engineering
Ankur Yadav	Chemical Engineering
Anant Agarwal	Civil Engineering
Kushal Agrawal	Civil Engineering
Anurag Dhebana	Civil Engineering
Ankit Ghanghas	Civil Engineering
Siddhant Gulechha	Civil Engineering
Anurag Kumar Gupta	Civil Engineering
Naman Jain	Civil Engineering
Chaudhari Divya Jeevraj	Civil Engineering
Anil Kumar	Civil Engineering
Maya Kumari	Civil Engineering
Purusottam Kundara	Civil Engineering

Name of the Student	Discipline
Ravi Meena	Civil Engineering
Sachin Kumar Meena	Civil Engineering
Sarthak Mittal	Civil Engineering
Shipra Mohan	Civil Engineering
Bannelly Naresh	Civil Engineering
Rohan Nyayadhish	Civil Engineering
Aishwary Omkar	Civil Engineering
Nikesh Panwar	Civil Engineering
Bhattad Varun Rajkumar	Civil Engineering
Rahul Kumar Saini	Civil Engineering
Tarun Sharma	Civil Engineering
Saksham Singal	Civil Engineering
Gopal Singh	Civil Engineering
Pulkit Singhal	Civil Engineering
Avinash Singh Soda	Civil Engineering
Choudhary Saurabh Sunil	Civil Engineering
Puneet Swami	Civil Engineering
Anshul Yadav	Civil Engineering
Shivang Agarwal	Electrical Engineering
Aditya Anand	Electrical Engineering
Chauhan Anand	Electrical Engineering
More Rishikesh Babu	Electrical Engineering
Sobhan Kumar Bhoi	Electrical Engineering
Ayon Biswas	Electrical Engineering
Battu Deepak	Electrical Engineering
Swathi S G	Electrical Engineering
Hardeep	Electrical Engineering
Ravi Jangir	Electrical Engineering
Ansh Joshi	Electrical Engineering
Pansetty Karthik	Electrical Engineering
Samarth Kathal	Electrical Engineering
Gaurav Singh Khatana	Electrical Engineering
Banoth Uday Kiran	Electrical Engineering
Navin Kumar	Electrical Engineering
Pankaj Kumar	Electrical Engineering
Ritesh Kumar	Electrical Engineering
L Madhulika	Electrical Engineering
Mandlem Manikanta	Electrical Engineering
Arik Pamnani	Electrical Engineering
Amit Parihar	Electrical Engineering

Name of the Student	Discipline
Chitta Sai Pavan	Electrical Engineering
Veeramallu Giridhar Sai	Electrical Engineering
Shivdutt Sharma	Electrical Engineering
Ravi Shrimal	Electrical Engineering
Aditi Singh	Electrical Engineering
Anand Yadav	Electrical Engineering
Lavalesh Kumar Bajpayee	Materials Science & Engineering
Nikhil Chandra	Materials Science & Engineering
Patel Parth Girishbhai	Materials Science & Engineering
Ayush Gupta	Materials Science & Engineering
Shah Harshil Kalpeshkumar	Materials Science & Engineering
Jammu Tarun Kumar	Materials Science & Engineering
Sujeet Singh Mathur	Materials Science & Engineering
Gyan Chand Maurya	Materials Science & Engineering
Abhiroop Mishra	Materials Science & Engineering
M Naveen	Materials Science & Engineering
Akshat Pachauri	Materials Science & Engineering
Vikesh Kunal Prajapati	Materials Science & Engineering
Priyang Priyadarshi	Materials Science & Engineering
Akshat Sandhaliya	Materials Science & Engineering
S Santhosh	Materials Science & Engineering
Aagam Rajeev Shah	Materials Science & Engineering
Aditi Sharma	Materials Science & Engineering
Jayshankar Sharma	Materials Science & Engineering
Shubham	Materials Science & Engineering
Aman Kamlesh Singh	Materials Science & Engineering
Ankit Singh	Materials Science & Engineering

Name of the Student	Discipline
Kuldeep Singh	Materials Science & Engineering
Honey Kumar Singla	Materials Science & Engineering
Tulasi Narendra Das Tripurana	Materials Science & Engineering
Himani Verma	Materials Science & Engineering
Rishabh Verma	Materials Science & Engineering
Saeed Aamer	Mechanical Engineering
Gandhi Meet Bankim	Mechanical Engineering
Rahul Bharti	Mechanical Engineering
Rishabh Bhattacharya	Mechanical Engineering
Shrinidhi Dilip Bhide	Mechanical Engineering
Arshdeep Singh Brar	Mechanical Engineering
Dsouza Alrick Cyril	Mechanical Engineering
Jagmohan	Mechanical Engineering
Amit Jangid	Mechanical Engineering
Ayaz Lakhani	Mechanical Engineering
Vikalp Lanjewar	Mechanical Engineering
Anilraj Meena	Mechanical Engineering
Rahul Meena	Mechanical Engineering
Subham Meena	Mechanical Engineering
Vaibhav Mittal	Mechanical Engineering
Saurav Nagar	Mechanical Engineering
Patel Darshankumar Parasotambhai	Mechanical Engineering
Tushar Pareek	Mechanical Engineering
Yash Patel	Mechanical Engineering
Shikhar Rajput	Mechanical Engineering
Rajat Ranjan	Mechanical Engineering
Lahane Yogesh Ratnakar	Mechanical Engineering
Tukkani Sandeep Reddy	Mechanical Engineering
Rohit Kumar Singh	Mechanical Engineering
Shashi Mohan Singh	Mechanical Engineering
Anupam Swarnkar	Mechanical Engineering
Sandeep Kumar Yadav	Mechanical Engineering

2014 BATCH

Name of the Student	Discipline
Roy Nikhil Aditya	Chemical Engineering
Parash Aggarwal	Chemical Engineering
Potturu Apurva	Chemical Engineering
Pawar Bhushan	Chemical Engineering
Himanshu Jaswant Singh Chauhan	Chemical Engineering
Ashish Gehlot	Chemical Engineering
More Mayuresh Hiren	Chemical Engineering
Siddharth Sheshadri K	Chemical Engineering
Ayush Mathur	Chemical Engineering
Badri Vishal Meena	Chemical Engineering
Lakshmi Narayan Meena	Chemical Engineering
Arul Mozhi Devan P	Chemical Engineering
Mridul Pareek	Chemical Engineering
Navdeep Prakash	Chemical Engineering
Konde Mandar Purushottam	Chemical Engineering
Jani Purvil Rahulbhai	Chemical Engineering
Abhinay Rana	Chemical Engineering
Raveena	Chemical Engineering
Bhaskar Jyoti Saikia	Chemical Engineering
Aashay Sandansing	Chemical Engineering
Navpreet Singh	Chemical Engineering
Aditya Sundaram	Chemical Engineering
Setti Satya Sai Venkata Ravi Teja	Chemical Engineering
Mukul Tyagi	Chemical Engineering
Borse Dinesh Anil	Civil Engineering
V Avinash	Civil Engineering
Garima Chaudhary	Civil Engineering
Kamlesh Choudhary	Civil Engineering
Devanand	Civil Engineering
Veeravalli Sai Ganesh	Civil Engineering
Anusha Gupta	Civil Engineering
Pranav Kumar Gupta	Civil Engineering
Kunal Jain	Civil Engineering
Prakrut Kansara	Civil Engineering
R Yashwanth Kumar	Civil Engineering
Sushant Kumar	Civil Engineering
Rohit Kumar	Civil Engineering
Pushpender Kumar Kuntal	Civil Engineering
Kartik Mandlekar	Civil Engineering
Satish Kumar Meena	Civil Engineering

Name of the Student	Discipline
Homit Singh Pal	Civil Engineering
Heet Vasudevbhai Patel	Civil Engineering
Satya Prakash	Civil Engineering
Anmol Kishore Raina	Civil Engineering
Solanki Vidhi Rasik	Civil Engineering
Sheru Aravind Reddy	Civil Engineering
Pranavkumar S	Civil Engineering
Ajay Singh Shekhawat	Civil Engineering
Khushdeep Singh	Civil Engineering
Vishal Kumar Sinha	Civil Engineering
Abhay Varshney	Civil Engineering
B Pranav Chakra Varthy	Civil Engineering
Bhoge Shashank Vilas	Civil Engineering
Vikas Yadav	Civil Engineering
Varun Aggarwal	Electrical Engineering
Ajay	Electrical Engineering
Aketi Sai Aparna	Electrical Engineering
Patel Parva Apurva	Electrical Engineering
Gohil Vasudev Arvindkumar	Electrical Engineering
Rahul Raj Bharati	Electrical Engineering
Varade Amit Bhaskar	Electrical Engineering
Amit Bhongade	Electrical Engineering
Jagdish Choudhary	Electrical Engineering
Shirpurkar Chinmay Deepak	Electrical Engineering
Anmol Gaur	Electrical Engineering
Aditya Goel	Electrical Engineering
Himanshu Goswami	Electrical Engineering
Rachit Goyal	Electrical Engineering
Bhavya Jain	Electrical Engineering
Ashim Raj Konwar	Electrical Engineering
Gottumukala Sai Rama Krishna	Electrical Engineering
Koda Dinesh Kumar	Electrical Engineering
Vikas Kumar Meena	Electrical Engineering
Himanshu Pal	Electrical Engineering
Vaishnavi Sunil Patil	Electrical Engineering
Duthade Sanket Rajesh	Electrical Engineering
Sarvepalli Nagasai Vardhan Rao	Electrical Engineering
Arvind Roshaan.S	Electrical Engineering
Kshiteej Jitesh Sheth	Electrical Engineering
Ayush Shrote	Electrical Engineering
Ayushman Tripathi	Electrical Engineering

Name of the Student	Discipline
Nagare Ashwini Tukaram	Electrical Engineering
P R Vaidyanathan	Electrical Engineering
Mayur Madhav Vishe	Electrical Engineering
Rushil Shamkant Vispute	Electrical Engineering
Yashovardhan	Electrical Engineering
Joshi Ankita Abhay	Materials Science & Engineering
Deepak Dhariwal	Materials Science & Engineering
Sisara Pratikkumar Dhirubhai	Materials Science & Engineering
Dudhat Kunal Hansraj	Materials Science & Engineering
M Barath Kanna	Materials Science & Engineering
Aditya Kumar	Materials Science & Engineering
Bhupendra Kumar	Materials Science & Engineering
Sushil Kumar	Materials Science & Engineering
Antima Meena	Materials Science & Engineering
Jugal Mehta	Materials Science & Engineering
Tandale Mohit Mukundraj	Materials Science & Engineering
Kaustubh Shirish Panse	Materials Science & Engineering
Patel Zainab Shabbar	Materials Science & Engineering
Dileep Singh	Materials Science & Engineering
Kotamsetti Ravi Teja	Materials Science & Engineering
Akhilesh	Mechanical Engineering
Prathamesh Badve	Mechanical Engineering
Yash Bohre	Mechanical Engineering
Vakharia Vismay Dilipkumar	Mechanical Engineering
Harshad Gawali	Mechanical Engineering
Solleti Goutham	Mechanical Engineering
Modi Harsh Jashvantbhai	Mechanical Engineering
Janga Sai Kiran	Mechanical Engineering
Patel Pinank Kishorbhai	Mechanical Engineering

Name of the Student	Discipline
Rahul Kumar	Mechanical Engineering
Subodh Kumar	Mechanical Engineering
Vivek Kumar	Mechanical Engineering
Dabhi Parth Lalitkumar	Mechanical Engineering
Sonar Chinmay Narendra	Mechanical Engineering
Tushar Nirmal	Mechanical Engineering
Gohil Karan Nitinbhai	Mechanical Engineering
Vaibhav S Pal	Mechanical Engineering
Nishant Patel	Mechanical Engineering
Prasanna	Mechanical Engineering
Pragadeesh R R	Mechanical Engineering
Vinod Ramakrishnan	Mechanical Engineering
Nithin Ramesh	Mechanical Engineering
Ninama Rishilkumar	Mechanical Engineering
Singampalli Sai Rohit	Mechanical Engineering
Panna Lal Saini	Mechanical Engineering
Trivedi Jaldhir Sanjay	Mechanical Engineering
Ahamed Naji Shaham	Mechanical Engineering
Kapil Sharma	Mechanical Engineering
Lakshmi Gayatri Sivalenka	Mechanical Engineering
Krishna Kumar Soni	Mechanical Engineering
Dave Sowill	Mechanical Engineering
Relan Udit Surendra	Mechanical Engineering
Parab Amogh Vishram	Mechanical Engineering
Mitta Venkata Sai Viswanath	Mechanical Engineering

2013 BATCH

Name of the Student	Discipline
Kushagra Bhargava	Chemical Engineering
Lakh Chand	Chemical Engineering
Rushabh Desadla	Chemical Engineering
Ramchandra Gawas	Chemical Engineering
Rajat Kumar Gupta	Chemical Engineering
Devanshu Manoj Jain	Chemical Engineering
Sargam Jain	Chemical Engineering
Vaibhav Joshi	Chemical Engineering
Kesani Kalyani	Chemical Engineering
Bhavya Kanzariya	Chemical Engineering
Patel Kishankumar Kaushikbhai	Chemical Engineering
Harsh Khandelwal	Chemical Engineering
Purushottam Kumar	Chemical Engineering
Suman Kumari	Chemical Engineering
Jainidhi Maurya	Chemical Engineering
Priyanka	Chemical Engineering
Ramniwas	Chemical Engineering
Dewansh Rastogi	Chemical Engineering
Nisha Rawat	Chemical Engineering
Anurag Singhania	Chemical Engineering
Sourabh Soni	Chemical Engineering
Sahilkumar Tabiyad	Chemical Engineering
Akshay Kumar Verma	Chemical Engineering
Prince Kumar Verma	Chemical Engineering
Srinivasan A	Civil Engineering
Roshan Agarwal	Civil Engineering
Abhishek Anand	Civil Engineering
Pushpak K Baviskar	Civil Engineering
Manu Chaudhary	Civil Engineering
Ram Pranav Agasthya Purhit Chavaly	Civil Engineering
Shaleen Chhajer	Civil Engineering
Sakkari Akash Goud	Civil Engineering
Anurag Goyal	Civil Engineering
Mayank Jain	Civil Engineering
Rishabh Jain	Civil Engineering
Yogendra Jaiswal	Civil Engineering
Mayank Khewaria	Civil Engineering
Sai Kiran	Civil Engineering
Aashish Kose	Civil Engineering
Bulabai Sreedhar Gopi Krishna	Civil Engineering
Dharmendra Kumar	Civil Engineering
Hemant Kumar	Civil Engineering
Punit Kumar	Civil Engineering
Rahul Kumar	Civil Engineering
Sachin Kumar	Civil Engineering
Shailendra Kumar	Civil Engineering
Osker	Civil Engineering
Praveen Pandey	Civil Engineering
Pomraj Prajapat	Civil Engineering
Narendra Sarswat	Civil Engineering
Mohammad Faisal Seh	Civil Engineering
Nikhil Sharma	Civil Engineering
Prerna Singh	Civil Engineering
Vaddineni Srija	Civil Engineering
Ajmeera Venkanna	Civil Engineering
Rishab Anand	Electrical Engineering
Aparna Arya	Electrical Engineering
Ankit Pritam Bhange	Electrical Engineering
Aravind Damacharla	Electrical Engineering
Aditya Ganesh	Electrical Engineering
Pratham Goel	Electrical Engineering
Patil Shubham Hanumant	Electrical Engineering
Doshi Darshil Hiteshbhai	Electrical Engineering
Rushi Jariwala	Electrical Engineering
Anikesh Satish Kamath	Electrical Engineering
Samarth Kashyap	Electrical Engineering
Jitendra Kuldeep	Electrical Engineering
Pabbathi Akhil Kumar	Electrical Engineering
Puja Kumari	Electrical Engineering
Siyaram Meena	Electrical Engineering
Sumit Kumar Meena	Electrical Engineering
Shashank Mehra	Electrical Engineering
Niharika	Electrical Engineering
Kashyap Patel	Electrical Engineering
Kapil Pathak	Electrical Engineering
Vipin Prajapati	Electrical Engineering
Manav Raj	Electrical Engineering
Chenchala Sai Ramana Reddy	Electrical Engineering
Vootla Krishna Sai	Electrical Engineering
Ekta Umesh Samani	Electrical Engineering
Vyas Samir	Electrical Engineering

Name of the Student	Discipline
R Sanjana	Electrical Engineering
Aditya Shah	Electrical Engineering
Namana Naga Sindhu	Electrical Engineering
Kshitij Singh	Electrical Engineering
Lokesh Singh	Electrical Engineering
Rajendra Singh	Electrical Engineering
Nikhil Tank	Electrical Engineering
Amit Tiwari	Electrical Engineering
Dinendra Pratap Singh Tomar	Electrical Engineering
Aatman C. Vora	Electrical Engineering
Bhuwan Vyas	Electrical Engineering
Sakshi Yadav	Electrical Engineering
Ankit Agarwal	Mechanical Engineering
Venu Agarwal	Mechanical Engineering
Anurag Agrawal	Mechanical Engineering
Bhagat Rajan Balister	Mechanical Engineering
Thakor Nilaysinh Bharatsinh	Mechanical Engineering
David Noel Biradala	Mechanical Engineering
Prathyusha Challa	Mechanical Engineering
Harsh Chandra	Mechanical Engineering
Manjeet Chaudhary	Mechanical Engineering
Bhargav B. Chauhan	Mechanical Engineering
Darshil Chauhan	Mechanical Engineering
Bhosale Surajkumar Dhananjay	Mechanical Engineering
Jitendra Gehlot	Mechanical Engineering
Vaibhav Gupta	Mechanical Engineering
Ojas Yashwant Joshi	Mechanical Engineering
Tanay Kankane	Mechanical Engineering
Amber Kothari	Mechanical Engineering
Sumit Kumar	Mechanical Engineering
Mundru Hemanth Surya Madhav	Mechanical Engineering
Suryakumar Mane	Mechanical Engineering
Ramtekkar Shashank Manohar	Mechanical Engineering
Ankit Mittal	Mechanical Engineering
Rohit Nanavati	Mechanical Engineering
Nishanth	Mechanical Engineering
Shubham Patle	Mechanical Engineering
Pawan	Mechanical Engineering
Valleti Sai Mani Prudhvi	Mechanical Engineering
Abhishek Raut	Mechanical Engineering
Bubna Rakesh Rishi	Mechanical Engineering
Shah Jugal Saurin	Mechanical Engineering
Kanak Sharma	Mechanical Engineering
Sarabjeet Singh	Mechanical Engineering
Guguloth Srinivas	Mechanical Engineering
Sharad Kumar Tiwari	Mechanical Engineering
Somireddy Udaykumarreddy	Mechanical Engineering
Teki Vinay	Mechanical Engineering
Amit Yadav	Mechanical Engineering

2012 BATCH

Name of the Student	Discipline
K Abhishek	Chemical Engineering
Ashray Adappa	Chemical Engineering
Sanchayni Bagade	Chemical Engineering
Surendra Beniwal	Chemical Engineering
Himanshu Bikonia	Chemical Engineering
Kunal Chaudhary	Chemical Engineering
Sagar Chawla	Chemical Engineering
Hema Choudhary	Chemical Engineering
Pradeep Diwakar	Chemical Engineering
Kishore Kumar J	Chemical Engineering
Lavdeep Kaur	Chemical Engineering
Mukesh Kumar	Chemical Engineering
Sushil Kumar	Chemical Engineering
Mangi Lal	Chemical Engineering
Vivek Maida	Chemical Engineering
Kanak Kumar Nayak	Chemical Engineering
Vaibhav Palkar	Chemical Engineering
Virendra Singh Panwar	Chemical Engineering
Sweta Parmar	Chemical Engineering
Palak Sadani	Chemical Engineering
Sunil Sahra	Chemical Engineering
Prashant Shekhar	Chemical Engineering
Nishit Shetty	Chemical Engineering
Abhimanyu Singh	Chemical Engineering
Manjot Singh	Chemical Engineering
Suman Kumar Singh	Chemical Engineering
Abhishek Verma	Chemical Engineering
Vidyanand Wagh	Chemical Engineering
Chinmay Ajnadkar	Electrical Engineering
Vikram Alriya	Electrical Engineering

Name of the Student	Discipline
Deyyam Avinash	Electrical Engineering
Naman Bansal	Electrical Engineering
Rajat Chaudhary	Electrical Engineering
Gullapally Sai Chowdary	Electrical Engineering
Shashank Gautam	Electrical Engineering
Ashish Kumar Gupta	Electrical Engineering
Gaurav Gupta	Electrical Engineering
Ajinkya Tupkar Jain	Electrical Engineering
Rajat Singh Jeriya	Electrical Engineering
Muhammed Yaseen K	Electrical Engineering
Narendra Kawaria	Electrical Engineering
Chitranshu Kumar	Electrical Engineering
Prashant Kumar	Electrical Engineering
Animesh Singh Kumawat	Electrical Engineering
Naveen Kumar Kundal	Electrical Engineering
Veerabadra Lokesh	Electrical Engineering
Latika Meena	Electrical Engineering
Rajesh Kumar Meena	Electrical Engineering
Sanjay Kumar Meena	Electrical Engineering
Yash Mehta	Electrical Engineering
Shubham Pachori	Electrical Engineering
Shrikant Patel	Electrical Engineering
Malireddi Sri Raghu	Electrical Engineering
Akhilesh Gotmare	Electrical Engineering
Abhishek Ranjan	Electrical Engineering
Mudit Rathor	Electrical Engineering
M.Sidhartha Reddy	Electrical Engineering
Vamsidhar Reddy	Electrical Engineering
B V Vijaya Bharath Reddy	Electrical Engineering
Kushal Salecha	Electrical Engineering
Nikhil Samariya	Electrical Engineering
Raj Shekhr	Electrical Engineering
Alok Singh	Electrical Engineering
Jatindeep Singh	Electrical Engineering
Naman Singh	Electrical Engineering
Prince Singh	Electrical Engineering
Dipen Somani	Electrical Engineering
Manish Soni	Electrical Engineering
Subrahmanya Teja	Electrical Engineering
Gudaram Sai Vaibhav	Electrical Engineering
Tushar R Anchan	Mechanical Engineering
Mihir M Bhalerao	Mechanical Engineering
Rajat Shiv Chand	Mechanical Engineering

Name of the Student	Discipline
Kunal Devedwal	Mechanical Engineering
Rocky Dongre	Mechanical Engineering
Rahul Garg	Mechanical Engineering
Chitnis Parag Jayant	Mechanical Engineering
Nirmal Jayaprasad	Mechanical Engineering
Sanjit Jena	Mechanical Engineering
Naveen Kumar	Mechanical Engineering
P Aruna Kumarudu	Mechanical Engineering
Koushik Mani	Mechanical Engineering
Devendra Meena	Mechanical Engineering
Shashank Nigam	Mechanical Engineering
Karan Palaskar	Mechanical Engineering
Rahul Kumar Pandey	Mechanical Engineering
Shashank Pareta	Mechanical Engineering
Karma Patel	Mechanical Engineering
Radhika Patil	Mechanical Engineering
Nikita Patta	Mechanical Engineering
Pardeep Phullay	Mechanical Engineering
Jithin Prabha	Mechanical Engineering
Mane Prasannajeet Pradip	Mechanical Engineering
Anarse Ashish Pralhad	Mechanical Engineering
P V S Anurag	Mechanical Engineering
Rakesh Ranjan	Mechanical Engineering
Muzammil Rawoot	Mechanical Engineering
Pranshul Saini	Mechanical Engineering
Sanket Shah	Mechanical Engineering
Shrey Shah	Mechanical Engineering
Ankita Sharma	Mechanical Engineering
Ritwik Shukla	Mechanical Engineering
Harshvardhan Singh	Mechanical Engineering
Abhinav Singh	Mechanical Engineering
Vishvendra Singh	Mechanical Engineering
Yash Pratap Singh	Mechanical Engineering
Yash Sultania	Mechanical Engineering
M Surya	Mechanical Engineering
Hydarali M T	Mechanical Engineering
Konduru Venkata Naga Sai Ravi Teja	Mechanical Engineering
Divyansh Tripathi	Mechanical Engineering
Meet Vadera	Mechanical Engineering
Saurabh S Vaichal	Mechanical Engineering
Samarth Vaijanapurkar	Mechanical Engineering
Margaj Om Vijay	Mechanical Engineering

2011 BATCH

Name of the Student	Discipline
Yashodeep P Chavhan	Chemical Engineering
Manasa Jangala	Chemical Engineering
Banoth Surya Kiran	Chemical Engineering
Gubbala Pawan Kumar	Chemical Engineering
Ankit Pandole	Chemical Engineering
Parag Pradeepkumar Ramteke	Chemical Engineering
Santhosh	Chemical Engineering
Ashwin Dalvi	Electrical Engineering
Deep Rahul	Electrical Engineering
Lokeshwar Naik K	Electrical Engineering
Ravi Kumar	Electrical Engineering
Hiralal	Mechanical Engineering

2010 BATCH

Name of the Student	Discipline
Punit Rawat	Chemical Engineering

VISION MISSION AND VALUES

CORE FEATURES

- A safe and peaceful environment
- Relevant and responsive to the changing needs of our students and the society
- Academic autonomy and flexibility
- Research Ambiance
- Nature of faculty and students:
  - Faculty recruiting norms are much higher than most of the academic institutes in India
  - Students are inducted strictly on a merit basis
- Sustainable and all-inclusive growth, including community outreach programmes
- Infrastructure: Liberal funding to the laboratory facilities and amenities to make them comparable to those best in the world
- Administration: Exclusive concern of IIT Gandhinagar, and handled internally
  - Director given adequate powers to manage most academic, administrative and financial issues (within the framework)
- Residential Campus:
  - Leads to closer academic and social interaction between students and faculty
  - Develops stronger community spirit and provides opportunity to learn from each other
  - Sustained academic ambiance resulting in higher creativity from everyone.

PRINCIPLES

- Lifelong commitment to learning
- Encouragement of merit
- Passion and motivation for work
- Professionalism
- Respect for law
- Concern for the improvement of the society
- Transparency in functioning of the Institute
- Dedication to the Institute

VALUES

- Meritocracy
- Unparalleled quality and excellence
- Honesty, Integrity, Sincerity and Devotion
- Trust and freedom with accountability
- Appreciation and celebration of creativity
- Willingness to try new ideas and make mistakes
- Social and Moral responsibility
- Respect for every individual, and diversity
- Co-operation, Collaboration and Team Work

MISSION

IIT Gandhinagar, as an institution for higher learning in science, technology and related fields, aspires to develop top-notch scientists, engineers, leaders and entrepreneurs to meet the needs of the society-now and in the future. Furthermore, in this land of Gandhiji, with his spirit of high work ethic and service to the society, IIT Gandhinagar seeks to undertake ground breaking research, and develop breakthrough products that will improve everyday lives of our communities.

GOALS

- To build and develop a world-class institution for creating and imparting knowledge at the undergraduate, post graduate and doctoral levels, contributing to the development of the nation and the humanity at large.
- To develop leaders with vision, creative thinking, social awareness and respect for our values.
- To foster excellence in teaching and research to make a global impact.
- To engage in path-breaking research that would influence national policies.
- To pursue sustainable technological solutions to societal problems.
- To focus on lean engineering solutions for sustainable development.
- To be the leader for academic and industrial collaborations in various disciplines, nationally and internationally.
- To create awareness of the true significance of learning and teaching.
- To enrich local schools and communities through value-added interactions.
- To encourage excellent language skills as part of the institutional culture.
- To prepare students not just for their first job, but their last job as well.

VISION

- To shape IIT Gandhinagar into an exciting place for learning, teaching and research.
- To establish a process of learning that is free, fulfilling and enjoyable experience.
- To provide an enabling environment to nurture critical and creative minds, and to propel them to greater heights of excellence in their pursuits.
- To create a vibrant atmosphere that breeds front runner innovators, scientists, engineers, entrepreneurs, academicians and thinkers of tomorrow.
- To provide opportunity for students to learn from wherever, however and whatever they choose to study.
- To make IIT Gandhinagar the preferred destination for future generations of students, staff and faculty.

INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR

PALAJ, GANDHINAGAR 382355