PARTNERS IN SUCCESS

Join our journey to a world class institution
PARTNER WITH US

IIT Gandhinagar (IITGN) began its journey as one of the new Indian Institutes of Technology in August 2008. The formative years of an Institute are very eventful and in the long run, forge its academic character, value system, and culture. IITGN has been extremely fortunate to receive extraordinary support from a very large number of well-wishers. This cumulative support has laid an outstanding foundation for the Institute to thrive in the years ahead, enabling the Institute to launch numerous initiatives. Three well-wishers of the Institute have established the IIT Gandhinagar Foundation, a charitable organization in California, to channel philanthropic contributions from US-based supporters. The donations are being utilized to attract and support outstanding faculty and PhD students.

IIT Gandhinagar aspires to be a top ranked school worldwide and we seek the support and participation of everyone who shares our dream of seeing India emerge stronger in the decades to come. We owe a debt of gratitude to millions of our countrymen and women who have been so generous with their resources, and we assure them that their trust is well invested in this Institute. With this heavy responsibility on our shoulders, we seek your active participation and support in our collective endeavour to build a world class Institute.

Sudhir K Jain
Director

PROJECTS & ADVOCACY
Research projects, consultancies and project implementation in the safety sector. Promoting awareness and undertaking public advocacy around safety.

Dr Sudhir K Jain
INNOVATION IS IN OUR DNA

As a greenfield project, IIT Gandhinagar provides a unique opportunity to create a great university — an Institution that fosters excellence in learning, research, scholarship and innovation, and that helps create global leaders in different fields of endeavour. To achieve its aspirations of becoming a world renowned institution of higher learning, IITGN recognises that it cannot simply follow practices pursued at other institutions, but must blaze new paths. Innovation is not another buzzword for us; it is the essence of our character, even our DNA. Innovation is not just a virtue, it is equally an imperative.

After extensive discussions with all our stakeholders, the Institute has developed a document outlining its vision, mission, goals, values and principles. This document serves as a beacon in pursuit of our aspirations to be a world-ranked university. IITGN has developed an enviable reputation in educational circles for its early accomplishments and most especially for its innovations in curriculum and governance, some of which are outlined in the following pages.
INNOVATION

A five-week immersion Foundation Programme for all new undergraduate students nurtures creativity, communication skills, ethics, teamwork, social engagement and physical fitness.

To promote critical thinking and an appreciation of the interdisciplinary character of knowledge, IIT Gandhinagar undergraduate students undertake more than 20% of their coursework in the liberal arts — nearly twice the proportion of other leading engineering institutions in the country — as well as compulsory courses in design and the life sciences.

ENGAGEMENT

Project Based Learning: The Institute emphasises project based learning both inside and outside the classroom.

Our students have undertaken innovative community and commercial projects, from teaching science to students at a neighborhood school, developing a digital walking stick for the blind, building an award-winning machine for making incense sticks and a wheelchair that climbs stairs, to launching a start up on distributed computing through IIT’s Incubation Centre.

EMPOWERMENT

Follow Your Passion: IIT Gandhinagar empowers students to discover and pursue their passion, with the most liberal branch change policy among all IITs, offering the opportunity to virtually all students to switch to a discipline of their choice in their second year.
DIVERSITY

In addition to recruiting its full time faculty from some of the world’s finest institutions (CalTech, Carnegie Mellon, Purdue, Cambridge, Michigan, Vanderbilt, Texas Tech, Berkeley, Cornell, Illinois, Max Planck, Harvard, Warwick), IIT Gandhinagar has established a vigorous visiting faculty program and a flexible short course structure, which exposes our students to scores of the most prominent scholars and professionals from all over India, as well as the United States, France, Germany, Portugal, Switzerland, Singapore, United Kingdom, New Zealand, etc.

Students attend cutting edge workshops and programs in such diverse fields as cognition, elliptic and parabolic differential equations, archeology, literature of cosmology, geotechnical aspects of earthquake engineering, creating comics, etc.

OUTCOMES

Our 2014 graduating class testifies to the success of our vision and mission.

• Nearly 30% of the undergraduate class availed educational or internship opportunities abroad.

• Nearly 1 in 5 graduating student is pursuing a master’s or doctoral degree.

• Over 11% are headed abroad to some of the world’s finest institutions, such as Carnegie Mellon University, Cornell University, Georgia Institute of Technology, Purdue University, Stanford University, University of California, Virginia Tech University etc.

• 4 US patents filed
THE IITGN CURRICULA HAVE THE LARGEST LIBERAL ARTS CONTENT OF ANY ENGINEERING CURRICULA IN THE COUNTRY.
Short Courses: IITGN has started a Short-Course Series for the well-rounded growth of students. Each Short-Course runs 8-10 hours and is conducted by a guest on a topic different from the subjects in the regular curriculum. Students earn one credit for the course, which is listed in the grade card, and their participation is voluntary. Examples of such courses include Indian Democracy, Entrepreneurship, Energy Efficiency, Literature, and Cosmology. These courses are open to students and faculty of other colleges in the city, enabling IITGN to cultivate stronger academic links and contribute to the community.

Comprehensive Viva-Voce: A comprehensive viva-voce has been introduced as a mandatory curricular activity. Carefully structured implementation has helped early identification of weaknesses, new Institutional initiatives required to ensure higher levels of motivation, and enabled the Institute to obtain feedback on the need for systemic changes.

MTech and DIIT Programmes: The MTech programme at IITGN focuses on strong interdisciplinary coursework aimed at developing skills of analysis, synthesis, and problem solving, quality driven research projects, and it emphasises diversity through mandatory course work in the humanities and social sciences. A post graduate diploma (DIIT) programme provides an additional channel for learning and can be pursued either full-time (one year) or part-time. The DIIT curriculum has been designed as a stand-alone option. Students may use DIIT as a stepping stone to MTech programmes, but have the option to exit with an DIIT.

The Institute has developed a unique five-week Foundation Programme aimed at de-stressing undergraduate students and development of their life skills.

Friction Stir Welding Machine, Mechanical Engineering.
The Institute is incubating a company in high tech data mining created by five students from its first graduating class.

**INNOVATIONS IN STUDENT GROWTH**

**Earn While You Learn Programme:** In 2009, the Institute launched the Earn While You Learn Programme to channel student talents, time and energies in support of Institutional activities. Students work in the library, computer centre, external relations, grading assignments, etc., for reasonable financial compensation. The program has helped students develop an appreciation of the dignity of labour and enhanced their self-esteem with the partial financial independence it makes possible.

**Summer Internships for UG Students:** The Institute believes in augmenting education and learning through various non-formal and non-curricular opportunities. Several undergraduates undertake summer internships with eminent academics in India and abroad as well as in industry. In 2014, nearly 75% of all undergraduate students availed summer internships. 58 students went overseas for internship at Caltech, Columbia University, Duke, Underwriters Laboratories, EPIR Technologies, etc.

**International Experience for Students:** Recognising the value of participating and presenting their research work at international conferences, the Institute has instituted a very liberal travel support policy to encourage student involvement in such events. Several undergraduate and postgraduate students have attended international conferences abroad to present their work.

**Recognition of Student Passions:** The Institute has set up merit scholarships for excellence in not just academics, but also such areas as sports, cultural pursuits, social work, leadership initiatives, etc., to incentivise well-rounded education and all round development of leadership potential. Graduating student awards recognise a wide array of accomplishments, including leadership, human qualities, excellence in academics, sports, culture, etc.
IIT Gandhinagar Junior Fellowship: The fellowship offers opportunities for graduating students to gain exposure in less conventional work prior to making career decisions. Under this scheme, typically for one year duration, the Institute helps fresh graduates explore unconventional career options through attachments with senior government officials, working with NGOs, or experience in educational Institutions, prior to finalizing their career decisions. Currently, four recent graduates are availing this opportunity: three students interested in political and administrative life are working under the tutelage of senior IAS officers and one interested in the social sector is working at IITGN to develop technology to improve the incomes of women in slums.

IITGN Incubation Centre (IIC): In recognition of the crucial roles of innovation and entrepreneurship, an Incubation Centre has been set up at the Institute with a range of support facilities. The incubatees are provided round the clock access to design software, workshop with fabrication facilities and sophisticated laboratories. The Institute is currently incubating a company in high tech data mining created by five recent graduates.

In 2014, nearly 75% of all undergraduate students availed summer internships. 58 students went overseas for internship at Caltech, Columbia University, Duke University, Underwriters Laboratories, EPIR Technologies, etc.

IITGN Graduate, Keshav G with his Agarbatti Making Machine.
INNOVATIONS IN EXTERNAL ACADEMIC LINKAGES

**Strategic Partnerships:** IITGN is actively nurturing a diverse academic environment — one that is both globally connected and socially sensitive. The Institute is continually developing strategic partnerships with numerous universities, industries and R&D organizations within the country and abroad. A Memorandum of Understanding (MOU) with the Physical Research Laboratory Ahmedabad (PRL) enables the seamless sharing of academic resources between the two Institutes. A strong relationship with Caltech enables a vibrant student exchange programme. A partnership with Underwriters Laboratories is enabling the Institute to develop its Fire and Safety Engineering disciplines. IITGN’s bonds with IIT Bombay and local universities in Ahmedabad, such as DAAICT and PDPU, have been critical in the Institute’s nascent stage. Other noteworthy IITGN collaborators include the Washington University, St Louis, University of Washington Seattle, Notre Dame University, Ecole Polytechnique Federale Lausanne, and the University of Saskatchewan.

**Engagement with the Top-50 Undergraduate Schools in India:** The Institute has developed a formal initiative to engage the top 50 undergraduate engineering schools in the country. Research opportunities are available at IITGN to their students and faculty, and preferential admission is offered to their students to spend a semester at IITGN as a non-degree student. Start Early PhD Fellowships are also available to their top UG students. We believe that these programs are not just mutually beneficial, but help recruit their undergraduates to IITGN’s post graduate programmes.

**Non-Degree Full-Time and Part-Time Programmes:** Students from other Institutions in the country are able to undertake studies at IITGN for a semester or two as full-time non-degree students. To provide opportunities to working professionals, IITGN has created options for part-time non-degree studies, wherein anyone can register for courses at IITGN and receive grades for course performance.

**India-ki-Khoj:** IITGN has developed a unique two-week cultural immersion programme titled *India-ki-khoj* for undergraduate students from across the world to discover India. The December 2013 programme attracted 15 undergraduate students from Caltech and IITGN.

*Mr. N R Narayanmurthy speaking to freshmen at the Foundation Programme.*
Faculty Development Programme: To help faculty at other engineering colleges upgrade their qualifications, IITGN has introduced a special Faculty Development Programme. The programme enables interested engineering college faculty to pursue a PhD at IITGN in an optimal manner. The programme provides for an initial one-year preparatory interaction with a supervisor at IITGN, followed by a two-year residence at the Institute. Remaining work toward the PhD thesis may be pursued by candidates at their college.

Summer Research Fellowship for Teachers and Students of Engineering Colleges: A new program allows selected faculty from engineering colleges to spend two months of the summer break at the Institute, working with IITGN faculty. Besides access to faculty time and research facilities, the Institute offers financial support for travel expenses and an honorarium. In addition, undergraduate students of other universities and colleges in India are offered summer opportunities for ongoing R&D projects at IITGN. The scheme offers valuable early initiation into research activity and modest financial support.
COMMUNITY ENGAGEMENT

Community Outreach Policy of the Institute: Consistent with its mission to produce graduates that are sensitive to their community and to societal needs, the Institute believes it must not just preach, but actively pursue community outreach. The Institute has established a formal Board-approved Community Outreach Policy and several programmes are already in place, supported financially through a combination of a) contributions by IITGN students, staff and faculty, b) contributions by the Institute, and c) contributions by well wishers and donors of the Institute.

Sakar School Girls Outreach Project: IITGN women students teach science subjects to girl students in the neighbouring Sakar School to augment interest and passion for science studies. The programme, operational for the past two years, has been highly successful.

Nyasa Project: Faculty, students and staff of the Institute are contributing to the welfare of the temporary construction workers at the Institute by initiating non-formal learning programmes for their children through the group Nyasa.

Contract Workers Benevolent Fund: The Institute has created a fund within its Endowment to cover unforeseen medical emergencies of contract workers on the Institute’s premises.

Children’s Education Fund: The Institute has set up a fund within its Endowment to provide financial assistance for educational expenses of its contract workers. Upto Rs 10,000 per family is provided to all workers with school going children. Our goal is that children of every member of the IITGN community should have access to decent education to reach their full potential.

Palej Village Outreach Project: Palej village, which adjoins IITGN’s permanent campus, shares the Institute’s boundaries on three sides. IITGN has initiated a constructive relationship with Palej village and is creating the “Palej Village Outreach Fund” within its endowment, whose interest income will be available to faculty and students to undertake outreach activities in the village.

Our goal is that children of every member of the IITGN community should have access to decent education to realize their full potential.
INNOVATIONS IN FACULTY INCENTIVES

Liberal Financial Terms: Through donor funds, outstanding faculty candidates are provided additional top-up monthly honorarium (over and above the regular salary) in the form of Chair (senior academics) and Research Fellowships (for younger academics). Incoming career faculty are offered liberal relocation expenses and an interest-free soft advances for their initial setup. As a result, IITGN currently offers among the most attractive financial packages to new faculty candidates.

Summer Research Fellowships for Faculty: To encourage faculty to seek external funding and pursue major summer research, the Institute has implemented the Summer Research Fellowship. The fellowship offers two months salary in the summer (over and above their regular annual salary), provided they bring sufficient sponsored research funding.

Faculty Excellence Awards: Faculty contributions at exceptionally high levels are acknowledged with generous recognition and awards. The Institute has established attractive annual cash awards for excellence in teaching, research, institution building and leadership, and outreach.

International Exposure to Faculty: The Institute has implemented extremely liberal norms for granting one year leave to a new faculty (for example, within a semester of joining the Institute) for international post-doctoral research opportunities.

INNOVATIONS IN STUDENT RECRUITMENT

Liberal Branch Change Rules: IITGN has the most liberal branch change rules of any IIT. Students are exposed to the challenges and opportunities in every engineering discipline, to empower them to make informed choices.

Top-Up Scholarship for Meritorious PhD Scholars: The Institute offers an additional top-up scholarship of Rs 5,000 per month and Rs 10,000 per month from donations to meritorious PhD scholars, based on well defined criteria. This scholarship is in addition to the regular scholarship, enabling students to pursue their PhD studies without financial apprehensions.

Start-Early Ph.D Fellowships: To attract high quality PhD students, IITGN offers direct, early admission to top BTech rankers in the 50 leading engineering institutions in the country (30 NITs and 20 other reputed undergraduate colleges in India) and to BTechs from the IITs. These students are also eligible to receive additional top-up scholarships.

IITGN has the most liberal branch change policy of any IIT.
Financial support for initiating research activities through “seed funding” has been elevated to a new level – through focus on the needs of proposed initiation projects.

Proactive Engagement of Potential Faculty Candidates: IITGN is vigorously identifying, motivating and nurturing potential faculty candidates. Indian origin graduate students and post-doctoral researchers at leading world universities are continuously engaged through our quarterly newsletter and other communications. The Director visits top universities to address potential faculty candidates. A Young Researchers Conclave is organized annually at IITGN. The Institute participates in events for young Indian researchers from across the United States at MIT and Stanford.

Opportunistic Recruitment: To develop a strong seed faculty and to create a vibrant academic environment, the Institute sometimes recruits faculty solely on merit, unmindful of their discipline or specialization. The Institute will attempt to balance its long-term needs for disciplines and specializations as it progresses. The experiment has been extremely successful and has brought enormous diversity to the Institute’s programs.

Recruitment Mode: The Institute targets exceptional faculty through innovative and flexible governance models. Exceptional candidates are quickly offered a 2-year appointment through a Standing Committee, instead of a formal Selection Committee, which cannot meet as frequently. In addition, those recruited through the Selection Committee are afforded a lengthier window of opportunity to demonstrate their caliber, capabilities and achievements, through a two-year probationary tenure as opposed to the one-year probationary norm in the IIT system.

Research Initiation Grants: Financial support for initiating research activities through “seed funding” has been elevated to a new level, by focusing on the needs of the proposed initiation projects, rather than through fixed seed grants. The faculty is expected to submit a formal research proposal, which is peer reviewed, and reasonable funds are provided for initiating new faculty research projects.

Expectations from Faculty: The Institute has developed a formal document outlining the expectations the Institute has of its faculty after extensive deliberation with them. This document is provided with the appointment letter, and clearly articulates the high expectations that IITGN faculty must meet.
Diverse Faculty Profiles: The Institute recognizes the value of diversity in its faculty and has created mechanisms to tap and utilize talent in whatever form it may be available. For instance, the Institute engages several eminent academics as Distinguished Honorary Professors and Guest Professors, who contribute to the Institute with short-term engagements. It also recruits faculty without a PhD as Teaching Professors or Research Professors when appropriate. The Institute has also successfully hired several senior academics superannuated from the IIT system and elsewhere to help with academic administration and mentoring of younger faculty.

International Faculty: Diversity in the faculty enriches an institute's educational ambiance. IITGN has a pro-active agenda to bring visiting faculty from across the world to the Institute. Academics from leading Institutions in the United States, Germany, France, Switzerland, Portugal, and New Zealand have spent extensive time at the Institute.

INNOVATIONS IN STAFF DEVELOPMENT

Staff Development Programme: In appreciation of the crucial role of supporting staff in pursuit of excellence, staff members are encouraged to continuously improve their knowledge and skills. The Institute expects every member of the staff to spend at least 10 days in a year in trainings and workshops at Institute expense.

Excellence Awards for Staff: To encourage excellence among support staff, attractive annual financial awards have been instituted to recognize and reward excellence in performance.
PARTNERS AND SUPPORTERS

Advisory Councils: The Institute has created mechanisms to engage some of the most outstanding individuals from academia, industry, and other sectors. The Academic Advisory Council, which is global in character and includes eminent academics from around the world, meets once a year to help bring best practices in academic governance. The Advisory Board on Industry Partnerships, which is local and includes eminent industrialists from Ahmedabad and its neighbourhood, helps create strong linkages with industry. The Benefactor Advisory Committee, which includes significant donors of the Institute, assists in introducing best practices in fund raising, and to help raise funds. An annual Leadership Conclave advises the Institute on the general direction of the Institute and helps integrate the deliberations of the three committees.

Public-Private Partnerships: Since its inception, IITGN has worked towards a model in which public funds are utilized for routine capital and operating expenditures, while private funds are applied to nurturing and supporting excellence (wherever it is not possible through public funds). The Institute has raised major private donations in addition to commitments for significantly larger donations in the future. These funds are utilized to provide unprecedented financial support and incentives to outstanding faculty and PhD students. Very early in the Institute’s existence, well wishers of the Institute set up a tax-exempt Foundation in the United States to support the Institute in its endeavours to seek private funds abroad.

The Institute has engaged outstanding individuals from academia and industry through the Academic Advisory Council, the Advisory Board on Industry Partnerships, the Benefactor Advisory Committee and the Leadership Conclave.

President and CEO of Ricoh Innovations, Dr Nikhil Balram.
The extraordinary enthusiasm and participation of students and faculty in Institute endeavors powers innovation in every element of campus life.

**Amalthea:** Since 2010, the students at IITGN have organized an annual technology conclave Amalthea. The 2010 Conclave on Renewable Energy was supported by almost every major company associated with renewable energy in India. The 2011 Conclave on Infrastructure was inaugurated by Sri Narendra Modi, Chief Minister of Gujarat. The students have consistently raised more funds for the event than their expenditure. The event demonstrates the extraordinary maturity and leadership capabilities of our students. In 2012, the technical summit focused on design, manufacturing, entrepreneurship & innovation. In 2013 the Amalthea conclave focused on the theme Shaping the World Through Innovation and Technology and in 2014 on Ideate and Innovate.

**Conferences and Workshops:** IITGN faculty have organized several highly successful conferences, workshops and continuing education programmes. **International Conferences on Cognition, Experience & Creativity** held biennially included several distinguished speakers from Bulgaria, England, France, India, Ireland, Japan, Macedonia, Portugal, Turkey, and the U.S. Other programs include a **Workshop on Indian Archaeology, Epigraphy and Ancient History**, an **International Conference and Workshop on Safety**, a short course on **Seismic Design of Earth & Rock-fill Dams**, conference on **Field Theoretic Aspects of Gravity (FTAG-2013)** and **TARJUMA: Festival of Translators**.

**Blithchron:** In its first year, IITGN students organized the flagship inter-college cultural festival Blithchron. This was when the student body comprised just 90 students. The extremely popular annual event has grown in stature and size since, to almost 8,000 attendees.
RESEARCH AT IITGN

IIT Gandhinagar aspires to promote world-class research that will make a positive impact on society today and groom the leaders and creators of tomorrow’s technologies. With this objective the Institute:

- Provides liberal research support to faculty to initiate their research
- Has pioneered the concept of Summer Research Fellowship in Indian academia, which enables an active faculty member to draw 14 months of salary in a year
- Liberally supports travel by faculty and students (both graduate and undergraduate) to international conferences
- Focuses on research that is relevant and makes a direct contribution to the lives of people
- Encourages active engagement and participation of undergraduate students in research

As a result of this emphasis on research, the Institute has been engaged in 20 externally funded projects in its first four years. Some of the agencies funding research projects of our faculty include:

- Department of Biotechnology
- Department of Science and Technology
- Ministry of Earth Sciences
- Ministry of Human Resource Development
- Underwriters Laboratory
- Ricoh Innovations Inc.
- Department of Information Technology
- Government of Gujarat
- Council of Scientific and Industrial Research

IITGN has fostered ties with various institutes in India and abroad, enabling undergraduate students to pursue short research stints during the summer at some of the world’s leading universities and companies.
The Institute is also fostering ties with various Institutes in India and abroad, which enables IITGN undergraduate students pursue short research stints during the summer. Very often, students continue their research well after the internship period. Some institutes with whom IITGN has active relationships are:

- University of Washington, St. Louis
- Duke University, Durham, North Carolina
- University of Washington, Seattle, Washington
- University of Notre Dame, Indiana
- Nanyang Technological University, Singapore
- University of Rhode Island
- The Johns Hopkins University, Baltimore, Maryland
- École Polytechnique Fédérale de Lausanne, Switzerland
- California Institute of Technology, Pasadena

The Institute has developed a core team to undertake interdisciplinary research in areas such as:

- Biotechnology, Biomedical Instrumentation, and Drug Delivery
- Earth Sciences and Geotechnical Engineering
- Materials Science and Engineering

In addition, a center of excellence in biomedical engineering is being established at IITGN with a partial contribution of Rs 10 crores by the Gujarat State Government.

The Department of Information Technology (DIT) has sanctioned Rs 1.55 crore to establish an incubation center to promote student entrepreneurship under its TIDE (Technology Incubation and Development of Entrepreneurs) scheme. In addition, the Ministry of Earth Sciences, has sanctioned an endowment of Rs 1.5 crore to establish a “Varahamihira MoES Chair” at the Institute in Earth System Science and Engineering (including Earthquake Engineering, Science of Climate Change, and Ocean Science and Technology).
PURSUING GLOBAL LEADERSHIP IN EDUCATION

A world-class university requires: concentration of talent, adequate resources, and favorable governance. The Board of Governors of IITGN and the administration are committed to developing a flexible governance structure that empowers the faculty and students to a degree that is unprecedented in Indian academia. The Institute supplements the Government of India grants with substantial philanthropic contributions to recruit and support outstanding faculty and PhD students. Among the programmes that utilize donations for attracting, retaining and empowering the most outstanding faculty, students and staff, are:

**Faculty Chairs:** Faculty chairs recognise and reward excellence, and help retain outstanding faculty. Besides an honorarium associated with the Chair, the title lends prestige to the incumbent. It also honours donors by associating their name with the academic achievements of a distinguished academic. An endowment of Rs 144 lakhs (US$240,000) makes possible one chair. The amount may be donated over a period of three years. The Institute has also approved "limited time" faculty chairs of 3 years for a donation of Rs 18 lakhs or 6 years for a donation of Rs 30 lakhs. The endowment provides an honorarium of Rs 50,000 per month to the recipient.

**Research Fellowship for Outstanding New/Young Faculty:** With a view to attracting the best faculty, IITGN is creating Research Fellowships to recognize and reward outstanding new faculty members based on their demonstrated academic credentials. Recipients get a monthly honorarium in addition to their regular salary. An endowment of Rs 72 lakhs (US$120,000) enables the creation of one such fellowship. A donor may contribute the entire corpus in one installment or over a period of three years. Limited-time fellowships may also be established for a Rs 9 lakh commitment for a 3-year and Rs 15 lakhs for a 6-year fellowship. The endowment provides an honorarium of Rs 25,000 per month to the recipient.

**Excellence Awards for Faculty:** The Institute has set up Excellence Awards to recognise faculty members for outstanding contributions in teaching, research, institution building, and outreach (service to the profession, through committee work, consulting and continuing education). Recognition of their efforts motivates faculty members to pursue their passion. These awards carry a financial reward of Rs 50,000. In addition, a sum of Rs 50,000 is contributed to the faculty member’s Professional Development Fund. A contribution of Rs 10 lakhs enables the establishment of one such award.

The Board of Governors of IITGN and the administration are committed to developing a flexible governance structure that empowers the faculty and students to a degree that is unprecedented in Indian academia.

*Director Tata Sons, R Gopalakrishnan, speaking to students.*
**Summer Research Fellowships for Faculty:** To encourage faculty members to spend most of the summer vacation at IITGN to work on serious research endeavours, the Institute has set up fellowships that provide an honorarium equal to two-month salary. The awards are made on careful assessment of research proposals and a faculty member’s track record in attracting external funds. Rs 20 lakhs are required annually for this scheme.

**Travel Support to Faculty and Students:** Faculty members who participate in international conferences are provided partial travel support through Government grants. The Institute provides additional support of Rs 50,000, raised from donations, to faculty members once in two years based on excellence in teaching, research (publications, sponsored projects), outreach (consulting, continuing education etc), and institution building. Similarly, students may receive partial support upto Rs 50,000 to present their work at international conferences.

**Pioneer PhD Scholars Fund:** To attract the best doctoral students to IITGN, PhD students of outstanding merit are provided an additional fellowship of Rs 10,000/Rs 5,000 per month in addition to the amount prescribed by the Government.

**Overseas Research Experience for PhD Students and Young Faculty:** The Institute encourages PhD scholars to spend a semester at a top research laboratory or Institute in India or overseas. The support of about Rs 7 lakhs (US$12,000) is required per student for overseas placement. Similarly, young faculty members who have not studied or worked overseas are provided opportunities to spend a year at an overseas institute.

**Merit Scholarships for Undergraduate Students:** The Institute depends on Government grants to offer merit-cum-means scholarships to undergraduate students. IITGN also believes in rewarding the outstanding achievements of undergraduate students irrespective of their parental income. The Institute has established scholarships for outstanding students who distinguish themselves in academics, sports, cultural, social, and leadership activities. An endowment of Rs 10 lakhs (US$15,000) supports one such scholarship.

**Excellence Awards for Outstanding Non-Teaching Staff:** The Institute has set up annual Excellence Awards to recognize non-teaching staff who provide exemplary service and show sustained dedication to the Institute. The awards includes a cash award of Rs 25,000. A sum of Rs 6 lakhs (US$10,000) establishes one award.

*Veteran classical singer Arati Ankalkar performs at the Foundation Programme.*
The Benefactor Advisory Committee actively engages our significant benefactors with the Institute and its members share their success stories with our students. We invite you to be a member of this Committee by making a one-time contribution of Rs 12 lakhs (US$20,000) or more. Alternatively, you may pledge a contribution of Rs 2.4 lakhs per year (US$4,000 per year) for a minimum of five years. Membership to this committee include such benefits as, naming of the activities initiated through your contributions, active participation in those activities, and announcement of your membership in our Annual Report. Current members of our Benefactor Advisory Committee are:

Professor A V Anilkumar is an aerospace engineer on the faculty at Vanderbilt University. He was a NASA investigator of microgravity fluid flow phenomenon on Space Shuttle flights and on the International Space Station. His current interests are in novel energy conversion systems for airplane flight using low altitude rocketry and the design and evaluation of renewable energy technologies. He has a BTech from IIT Madras and MS and PhD from Caltech.

Dr Prabhakar Goel held positions in engineering and technical management with IBM and Wang Laboratories. In 1990 Dr Goel was recognized as Entrepreneur of the Year for New England by Inc magazine and Ernst Young. Since 1992 Dr Goel has been a private venture capitalist involved with several companies. He currently serves on the boards of InsideVault Inc and FusionOps Inc. Dr Goel is also a founding member of The Indus Entrepreneur (TiE).

Ms Asha Jadeja is wife of late Prof. Rajeev Motwani and head of the Rajeev Motwani Foundation. An IIT Kanpur and UC Berkeley graduate, Motwani was professor of Computer Science at Stanford University where he did pioneering research in web search, robotics, and theoretical computer science. Originally from Ahmedabad, Ms Jadeja did her graduate studies at USC, UC Berkeley, and Stanford. She is active in philanthropic educational initiatives in India and the USA. She has also been mentoring many successful start-ups in the Bay area.
Mr Atul Jain is Chairman & CEO of TEOCO Corporation. Mr Jain founded TEOCO – an abbreviation of ‘The Employee Owned Company’ – in 1994 with a dream of building a successful business model, not just a successful business. His goal was to build a company founded on the idea of principled entrepreneurship and employee ownership. TEOCO would focus on business ethics, with a particular emphasis on its core values of alignment with employees, clients and community. Today, TEOCO is a market leading global organization – with operations on six continents – providing cost, routing, revenue and network management solutions to top communications service providers worldwide.

Mr Raj Mashruwala is a great friend and guide of the Institute. He is an active angel investor through Mashruwala Investments and is mentor/advisor to several early start-up ventures. He is Director of the IIT Bombay Heritage Fund, Charter Member of The Indus Entrepreneur (TiE), and Commissioner, Public Library, City of Palo Alto, USA. He holds a MS degree from UC Berkeley (1976) and BTech from IIT Bombay (1975). Among the technology companies he has co-founded are TIBCO Software, YieldUp International, Media Computer Technology, etc.

Mr Avi Nash is a former partner of Goldman Sachs, where he headed the Global Chemical Industry Group. He has advised many of the world's leading chemical companies on strategy, acquisitions and corporate finance. He is a director of Sigma-Aldrich Corporation and serves as a trustee of several educational and charitable organizations. He earned an MBA from Northwestern University, an MS from Syracuse University and a BTech from IIT Mumbai.

Mr Nandan Nilekani, a graduate of IIT Bombay, is a visionary IT professional who currently heads the Unique Identification Authority of India (UIDAI) project of the Government of India. A co-founder of NASSCOM and Infosys Technologies Ltd, he served as the CEO of Infosys from 2002 to 2007. He is a member of the Board of Governors of IIT Bombay and member of the Review Committee of the Jawaharlal Nehru National Urban Renewal Mission. For his contribution to the country, Nilekani was awarded the Padma Bhushan in 2006.
Mr Bhikhubhai Patel is founder and Vice Chairman of Tarsadia Hotels, a leading hotel investment, development, and management company. He received his B. Com. degree from the University of Baroda (1963). After running a successful clothing manufacturing business in Zambia for 12 years, he moved to USA and started his hospitality business in 1976. He is currently President of the Sanatan Dharma Temple and Cultural Centre of Los Angeles. Patel is active in philanthropic causes.

Mr Bhupen Shah has over 25 years of experience in technology development, product development, and engineering management in embedded digital media and communication solutions at Sling Media, Emuzed, Dazzle, RealChip, Philips Semiconductors, IBM, etc. Shah co-founded Sling Media, now part of Echostar, and is currently its Chief Technology Officer. He holds an MSc Degree in Computer Science and Electrical Engineering from the University of Michigan, Ann Arbor.

Mr Bipin Shah holds a MS from the University of Wisconsin and a BEE (Honours) from Jadavpur University. He is CEO and Chairman of Kovair Software in Milpitas, California, which has a Development Center in Kolkata. He is active in several non-profit organizations, including The Indus Entrepreneurs (TiE), Ahimsa Center at California Polytechnic University in Pomona and the Cupertino Center of Northern California. Shah is a founder of the IIT Gandhinagar Foundation in USA.

Mr Ukabhai Solanki, an electrical engineer by training, is president and CEO of Big Saver Foods, Inc., and a member of the Board of Directors of First Choice Bank. He is recipient of Progressive Grocer’s 2001 “Grocer of the Year” Award and Ernst & Young’s 2002 “Entrepreneur of the Year” award for greater Los Angeles. He is founding president of the Indian Council for the Advancement of Education in India and he endowed the Yadunandan Center for India Studies at California State University in Long Beach.
PARTNER WITH
IIT GANDHINAGAR

IIT Gandhinagar is in pursuit of partners who would like to be a part of our dream and vision of achieving excellence. The journey is both challenging and exciting. We invite you to join us in this initial historic phase in the life of the Institute and contribute toward developing a world-class university. As we take our first steps into the future, we need and seek your support, your investment, and your guidance. You may contribute to the mission of IIT Gandhinagar in several ways.

**Academic Contribution:** You can make academic contributions to the Institute by mentoring our students, through faculty interaction, and by initiating academic collaborations, such as student exchange programs, faculty exchanges, and collaborative research projects. You can also help by encouraging outstanding faculty candidates you know, to consider a career with IITGN.

**Financial Contribution to Foster Excellence:** To pursue excellence and to be a leader in education and research, we need to supplement Government grants with private funding. Every contribution, small or large, aids in our endeavour to pursue excellence. You may also endow faculty chairs and student scholarships, which can be named after people you hold dear. This not only contributes much needed resources to IIT Gandhinagar, but also helps us connect with our well-wishers in a meaningful and touching way.

**Friend of the Institute:** You can become a member of the Friends of IITGN Programme by pledging a modest contribution on an annual basis. These contributions will be used to support numerous initiatives at the Institute; such unrestricted funds allow the Institute to leverage opportunities. Membership of Friends of IITGN programme is available at three tiers:

<table>
<thead>
<tr>
<th>Membership Tier</th>
<th>US$</th>
<th>Rs (per year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsor</td>
<td>500</td>
<td>30,000</td>
</tr>
<tr>
<td>Member</td>
<td>250</td>
<td>15,000</td>
</tr>
<tr>
<td>Friend</td>
<td>100</td>
<td>6,000</td>
</tr>
</tbody>
</table>

Contributors are acknowledged with a certificate of membership, subscription to our quarterly newsletter *Connections*, invitations to major public events and convocation, announcement of your membership in our Annual Report, and most importantly, the satisfaction of supporting the truly noble cause of education with your philanthropic gesture.
## PROGRAMMES WITH NAMING OPPORTUNITIES

### Faculty Chairs
- **Endowment Fund for Chair**
  - Rs 120 Lakh
  - US$200,000
- **Limited Time Chair for 6 years**
  - Rs 30 Lakh
  - US$50,000
- **Limited Time Chair for 3 years**
  - Rs 18 Lakh
  - US$30,000

### Research Fellowships for Outstanding New/Young Faculty
- **Endowment Fund for Fellowship**
  - Rs 60 Lakh
  - US$100,000
- **Limited Time Fellowship for 6 years**
  - Rs 15 Lakh
  - US$25,000
- **Limited Time Fellowship for 3 years**
  - Rs 9 Lakh
  - US$15,000

### Excellence Awards for Faculty
- **For Two Awards**
  - Rs 24 Lakh
  - US$40,000
- **For One Award**
  - Rs 12 Lakh
  - US$20,000

### Travel Support for Faculty and Students
- **For Two Supports Each Year**
  - Rs 24 Lakh
  - US$40,000
- **For One Support Each Year**
  - Rs 12 Lakh
  - US$20,000

### Pioneer PhD Scholars Programme
- **Fellowship for Four Students (4 Years)**
  - Rs 24 Lakh
  - US$40,000
- **Fellowship for Two Students (4 Years)**
  - Rs 12 Lakh
  - US$20,000
- **Fellowship for One Student (4 Years)**
  - Rs 6 Lakh
  - US$10,000

### Overseas Research Experience for PhD Students and Young Faculty
- **Support for Two Students (One Time)**
  - Rs 15 Lakh
  - US$25,000
- **Support for One Student (One Time)**
  - Rs 7.5 Lakh
  - US$12,500

### Undergraduate Scholarships
- **For One Scholarship per year**
  - Rs 10 Lakh
  - US$15,000

### Excellence Awards for Non-Teaching Staff
- **For Two Awards**
  - Rs 12 Lakh
  - US$20,000
- **For One Award**
  - Rs 6 Lakh
  - US$10,000

## SPECIAL FUNDS
- Community Outreach Fund
- International Travel Fund
- Fund for Curriculum Innovation
- Research Support Fund
- Staff Development Fund
- Faculty Development Fund
- Fund for Handicapped Students
- Fund for Financially Needy Students
- Workers Welfare Fund
- Entrepreneurial Activities Fund
- Unrestricted (Area of greatest need)
DONATION FORM

Name: ________________________________________________________________________________________
Address: ______________________________________________________________________________________
______________________________________________________________________________________
Tel: ___________________________ Fax: ________________________ Email:_____________________________

In case of IIT Alumni: Degree __________ Branch ____________ Year of graduation _________ IIT _________

Yes! I would like to make a gift to IITGN

☐ Rs 100,000  ☐ Rs 50,000  ☐ Rs 10,000  ☐ Rs 5,000  ☐ Rs 1,000  ☐ Other Rs __________
☐ US$5000  ☐ US$2,500  ☐ US$1000  ☐ US$500  ☐ US$100  ☐ Other US$ __________

I enclose cheque / draft no: ____________________________ dated: ___________________________

Please utilize this gift for: ☐ Community Outreach Fund  ☐ International Travel Fund
☐ Fund for Curriculum Innovation  ☐ Research Support Fund  ☐ Staff Development Fund
☐ Faculty Development Fund  ☐ Fund for Handicapped Students  ☐ Fund for Financially Needy Students
☐ Workers Welfare Fund  ☐ Entrepreneurial Activities Fund  ☐ Unrestricted (Area of greatest need)

Please mail your completed form and Cheque/Demand Draft to:

For donors in India or outside USA:
Draft/Cheque payable to “IIT Gandhinagar
Endowment Account” should be mailed to:

Attn: Ms Meena Joshi
Assistant Registrar (External Relations)
Indian Institute of Technology Gandhinagar
Palaj, Gandhinagar 382355
Gujarat, India
Tel: +91-79-2397-2574
Fax: +91-79-2397-2586
Email: donate@iitgn.ac.in
Web: donate.iitgn.ac.in

Donations are 100% exempt under section 80G of
Income Tax Rules, Govt. of India.

For donors in USA:
Cheque payable to “IIT Gandhinagar
Foundation” should be mailed to:

Attn: Treasurer
IIT Gandhinagar Foundation
450 Melville Avenue
Palo Alto, CA 94301, USA
Email: iitfoundation@iitgn.ac.in
Web: iitgn.org/donate

All donations are 100% tax exempt from IRS in
the United States. (EIN 27 - 0721459)

For donations by stocks or wire transfer, please
contact the above people.

Donation by Credit Card (For US donors, please mail this form to IIT Gandhinagar Foundation). For In-
dia, other countries, please mail form to IIT Gandhinagar.

Please bill my credit card: ☐ Master Card  ☐ Visa

Card No: ____________________________ Expiry Date: ________________

Name on Card: ____________________________ Amount: ________________

Make this Donation: ☐ One time  ☐ Recurring till further notice  ☐ Monthly or  ☐ Annually
☐ Until further notice for ________ number of periods

Date: ____________________________ Signature: ____________________________

http://www.iitgn.ac.in/pdf/donatetoIITGN.pdf
**THE IITGN VISION**

**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 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 communication 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 the process of learning that is free, fulfilling, and an 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.

**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.

**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 allow mistakes
- Social and Moral responsibility
- Respect for every individual, and diversity
- Co-operation, collaboration and teamwork.

**Principles**
- Lifelong commitment to learning
- Encouragement of merit
- Passion and motivation for work
- Professionalism
- Respect for law
- Concern for the improvement of society
- Transparency in the functioning of the Institute
- Dedication to the Institute.
We are not afraid to get our hands dirty — even if it sometimes muddies the face too!

Ready to join our journey?