

## Raising the bar on Indian education

### CENTRES OF EXCELLENCE

During the past year alone, IITGN has established several centres of excellence, including a Design and Innovation Centre with a three-year \$580,000 grant from Ricoh Company; a Safety Centre with a five-year \$500,000 grant for a fire lab from Chicago-based Underwriter's Laboratories; and a Bioengineering Centre with a \$2 million grant from the Gujarat Government. The Institute has also established an Incubation Centre, funded by the Department of Information Technology, Government of India, and an Earth Science and Engineering Chair, funded by the Department of Earth Sciences, Government of India. IIT Gandhinagar faculty members have organized major national and international conferences at the institute on cognition, safety, history of Indian science, archaeology, elliptic and parabolic differential equations, cultures of peace, earthquake engineering, etc. The institute has cutting edge teaching and research laboratories for student and faculty projects.

### LOCATION, LOCATION LOCATION

IITGN is located in Ahmedabad, a 600 year old city that is vying for UNESCO's world heritage city and is the 19th fastest growing city in the world. Ahmedabad is consistently ranked as one of India's most livable cities, with excellent infrastructure and uninterrupted water and power supply. The institute is just 15 minutes from the airport, which has direct flights to most major cities in India, as well as direct international flights to Abu Dhabi, Bangkok, Doha, Singapore, and Dubai. Gujarat is a major industrial hub for pharmaceutical, biotechnology, petrochemical and chemical industries.

Front, clockwise from left:  
Mr Luigi Bruno, Italy  
Prof Rosa Maria Perez, Portugal  
Prof Pierre Becker, France  
Mr Robin Anav, France

Below: Prof Salim Rashid, USA

Interested faculty may submit their applications for visiting positions, by sending their curriculum vitae and a statement indicating how they could contribute to IITGN to:

Professor In-Charge, Faculty Affairs  
Indian Institute of Technology Gandhinagar  
Palaj, Gandhinagar, Gujarat, India - 382355  
[iitgn.ac.in/visiting-faculty.htm](http://iitgn.ac.in/visiting-faculty.htm)  
email: [visiting.faculty@iitgn.ac.in](mailto:visiting.faculty@iitgn.ac.in)  
Tel: 91-93 2847 4220 • Fax: 91-79 2397 2586

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A quarter of IITGN students have  
study abroad experience

### EDUCATIONAL INNOVATIONS

Undergraduate students at the IITs enter through the Joint Entrance Examination, which annually admits fewer than 2 percent of applicants — 10,000 students from among 500,000 who appear for the examination. Admissions to IITGN's graduate programmes is even more selective. Graduate student applications to IITGN tripled in 2013, resulting in a selectivity ratio of under 1 percent.

IITGN's BTech programme was recently awarded the World Education Award 2013 for innovation in engineering education at the World Education Summit. The curriculum includes a five-week immersion Foundation Programme for all new undergraduates that nurtures creativity, communication skills, ethics, teamwork, social engagement and physical fitness. To promote critical thinking, students take almost 20% of their coursework in the humanities and social sciences as well as compulsory courses in design and the life sciences. Nearly a quarter of IITGN students avail educational or internship opportunities abroad, among the highest of any institute worldwide.

GLOBAL INTERSECTIONS

*IIT Gandhinagar meets the world*



## A VIBRANT VISITING FACULTY AND GUEST SCHOLARS PROGRAMME CONTRIBUTES TO DIVERSITY & GLOBALIZATION AT IIT GANDHINAGAR



*The world beats at IIT Gandhinagar*

### VISITING FACULTY GUEST SCHOLARS RESEARCH SCHOLARS

In recent semesters, the institute has hosted visiting faculty and researchers from all over India, as well as Italy, France, Switzerland, Portugal, United States, Canada, and Singapore, among others. Dozens of guest academics come to the IIT campus every year; at times, as many as 20 percent of faculty members at the institute are visiting academics. The institute's global focus is most dramatically reflected in its student body, almost a quarter of whom avail study abroad experiences in the form of educational or internship opportunities overseas, among the highest of any institute worldwide.



Prof. Gregory A. MacRae  
New Zealand

### DIVERSITY GLOBALIZATION

The diversity and globalization is also reflected in IITGN's career faculty, who have graduated from some of the world's finest institutions, such as the California Institute of Technology, Carleton University, Carnegie Mellon University, Cornell University, Harvard University, Max Planck Gesellschaft, Purdue University, Texas Tech University, University of California at Berkeley, University of Cambridge, University of Chicago, University of Illinois at Urbana Champaign, University of Michigan, University of Warwick, Vanderbilt University, etc.

### INTERNATIONAL COLLABORATIONS

The institute has developed strategic partnerships with leading universities, industries and R&D organizations abroad for student and faculty exchanges and research collaborations, such as the California Institute of Technology; Ecole Nationale Supérieure d'Arts et Métiers, France; ICSTE, Switzerland; Institute Supérieur D'Electronique De Paris, France; Instituto Universitario de Lisboa, Portugal; Israel Institute of Technology, Haifa; Notre Dame University, USA; Ricoh Corporation, Japan; Underwriters Laboratories, Chicago; University of Saskatchewan, Canada; University of Strathclyde, UK, etc. Often, individual faculty engage with IITGN colleagues on collaborative projects and join one of the institute's visiting academic programs.



### VISITING FACULTY AT IIT GANDHINAGAR

*IITGN invites applications from eminent academics, scholars and professionals worldwide for short or long term assignments.*

Visiting commitments can range from a semester to a year or longer. The nature of the engagement can vary from teaching regular or short courses, conducting seminars or workshops, consulting with faculty on collaborative research or individual projects. The institute is open to applications from every discipline and every region of the world, because the objective of the visiting scholars program is to expose IITGN students to knowledge and experiences that aren't currently available at the institute.

Since the academic schedule of the home institutes of visiting academics may not match IITGN's, it has developed several flexible options, including half-semester courses that can work around these scheduling conflicts. Sometimes visiting faculty or scholars come for research exchanges or policy consultations with the institute that are more flexible on timing. The institute welcomes the global academic community to engage with it at various levels and at different degrees of commitment to enhance the academic life of the institute. Often, faculty from abroad or other institutions in India spend their sabbatical leave at IITGN.



### DIVERSITY | GLOBALIZATION | EXCELLENCE

*"If you like the excitement of building a new university into a world-class institution, this is the place for you."*

**PROF SALIM RASHID**

### VISITING PROFESSORS

Visiting faculty are sought at the level of visiting assistant professor, visiting associate professor, visiting professor, and visiting faculty, for semester or longer commitments. Visiting faculty typically teach courses at the institute, most commonly during the regular semester, but also occasionally half-semester courses that typically last two months. Visiting faculty receive a consolidated monthly honorarium, travel expenses, furnished accommodation (at cost), access to guest and institutional dining services, office space and access to the institute's library facilities.

### SCHOLARS IN RESIDENCE

Outstanding teachers, researchers and scholars from India and abroad are invited to spend from a few months to a year at IITGN. The hosted scholars may utilize the opportunity to work on manuscripts, develop research ideas or collaborative research proposals with IITGN faculty, conduct workshops or conferences, or help develop curricula for new courses and programmes. The scholars receive a monthly honoraria, travel expenses, rent-free accommodation, access to guest and institutional dining services, office space and access to its library facilities.

### INDUSTRY ACADEMIC ASSOCIATE

Eminent engineers, managers, and professionals from reputed industries are invited to engage with students and faculty at IITGN in overlapping areas of interest; pursue projects and internships; curriculum development and other collaborative activities. The associates receive travel expenses, rent-free accommodation, access to guest and institutional dining services, office space, access to its library facilities and a daily honorarium.

*"My time at IITGN was more than satisfying — for research, intellectual fellowship and the sense of a campus eager to address tomorrow's needs."*

**Prof. Rajmohan Gandhi**  
Distinguished Scholar in Residence

Top: Dr. Nikhil Balram, USA

Above: Prof. Amy DeSantis, USA