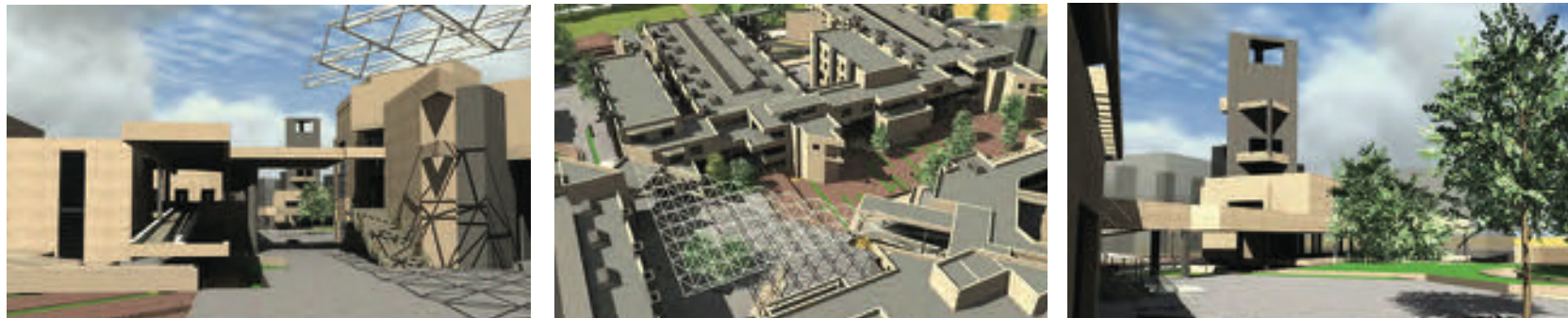




# RAISING THE BAR

ON ENGINEERING EDUCATION IN INDIA



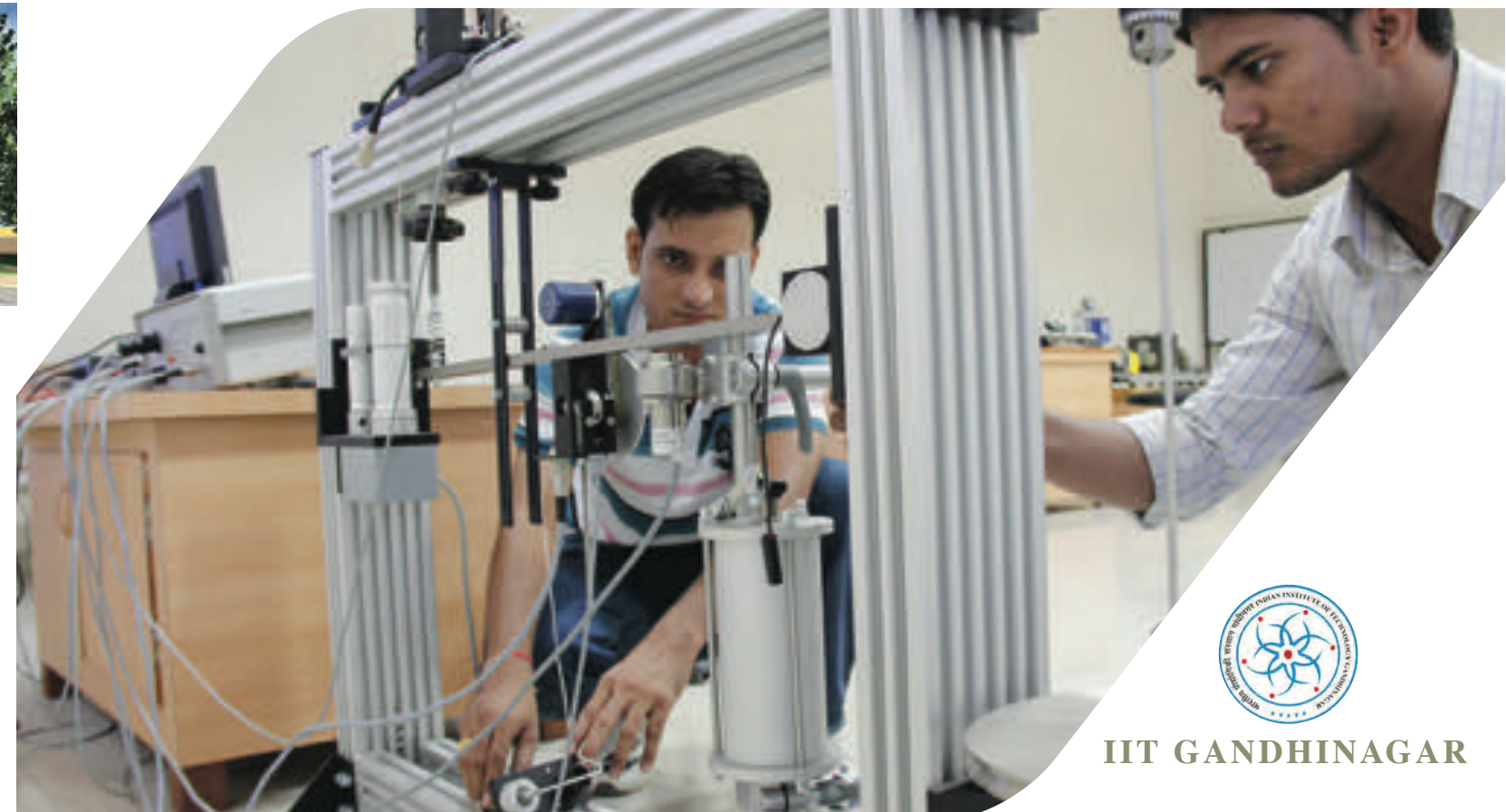
**DEVELOPMENT OF A 400-ACRE IIT GANDHINAGAR CAMPUS ON THE BANKS OF THE SABARMATI RIVER IN GANDHINAGAR IS CURRENTLY UNDERWAY.**

Rivers in India have a special and sacred place. Consistent with that tradition, the campus master plan draws inspiration from the river and gives back to it. The new eco-friendly campus also takes inspiration from Gujarat's rich architectural heritage, incorporating its famous courtyard styles, *jaali* ventilation systems and *pol* streets.

## INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR



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IIT GANDHINAGAR

# RAISING THE BAR

ON UNDERGRADUATE EDUCATION IN INDIA



## EXCELLENCE IN UNDERGRADUATE EDUCATION

IIT GANDHINAGAR STRIVES TO OFFER THE BEST UNDERGRADUATE ENGINEERING EDUCATION IN THE COUNTRY WITH UNMATCHED INNOVATIONS IN CURRICULUM.

IT'S MORE THAN ABOUT EDUCATION: A five-week immersion Foundation Programme for freshmen nurtures creativity, ethics, communication skills, teamwork, social engagement and physical fitness. To promote critical thinking and an appreciation of the interdisciplinary character of knowledge, students take almost 20% of their coursework in the humanities and social sciences — nearly twice the proportion at other leading engineering institutions in the country — as well as compulsory courses in design and the life sciences.

IIT Gandhinagar students are exposed to cutting edge workshops and programs in such diverse fields as cognition, elliptic and parabolic differential equations, archeology, literature of cosmology, cultures of peace, literary and dramatic representations of alterity, creating comics, biology for engineers, etc.

## EMPOWERMENT | ENGAGEMENT

WE EMPOWER STUDENTS TO DISCOVER AND PURSUE THEIR PASSION WITH THE MOST LIBERAL BRANCH CHANGE POLICY AMONG ALL IITs AND EMPHASIS ON PROJECT BASED LEARNING.

Our students undertake innovative community and commercial projects — teaching science to school children, 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.



## DIVERSITY | GLOBALIZATION | OUTCOMES

NEARLY A QUARTER OF IIT GANDHINAGAR UNDERGRADUATE STUDENTS GET EDUCATIONAL OR INTERNSHIP OPPORTUNITIES ABROAD.

Our full time faculty graduated from some of the world's finest institutions (Berkeley, Cambridge, Carnegie Mellon, Cornell, Harvard, Illinois, Max Planck, Michigan, Purdue, Texas Tech, Vanderbilt, Warwick). A vibrant visiting faculty and scholars program 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, Canada, New Zealand, etc.



IIT GANDHINAGAR'S BACHELOR'S PROGRAM WON THE 2013 WORLD EDUCATION AWARD FROM THE WORLD EDUCATION SUMMIT FOR INNOVATION IN HIGHER EDUCATION

## GRADUATE STUDIES BAR NONE

INNOVATIONS ARE EQUALLY EMBRACED IN GRADUATE EDUCATION. AS A RESULT, ADMISSION TO IITGN'S GRADUATE PROGRAMS IS EVEN MORE SELECTIVE THAN THE JOINT ENTRANCE EXAMINATION, WHICH ANNUALLY ADMITS 2 PERCENT OF UNDERGRADUATE APPLICANTS. BY CONTRAST, THE SELECTIVITY RATIO TO IITGN'S GRADUATE PROGRAMS, WHICH RECEIVED NEARLY 22,000 APPLICATIONS IN 2013, ALMOST QUADRUPLE THAT OF LAST YEAR, IS UNDER 1 PERCENT.

The outstanding faculty members recruited to IIT Gandhinagar have attracted some of India's best graduate students. During the past year, IIT Gandhinagar 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 Underwriters Laboratories; and a Bioengineering Centre with a \$2 million grant from the Gujarat Government. The institute has cutting-edge teaching laboratories in electronics, mechanisms, physics, chemistry, solid mechanics, etc. In addition, the institute has

developed several advanced research laboratories in image processing, fiber-optics, biomedical design, VLSI, power systems, soil mechanics, cognitive science, etc. for student and faculty projects and to expose students to the latest research in different areas of science and engineering. The Institute has introduced several incentives for graduate student research, including travel grants of up to Rs. 200,000 for PhD students and Rs 60,000 for MTech students to present papers at national and international conferences. It also offers top-up fellowships ranging from Rs 5,000 to Rs 10,000 per month to outstanding Ph.D. students in addition to the Rs 16,000 to Rs 18,000 monthly assistantships.

PROFILE OF 2013 GRADUATING CLASS

35% availed educational or internship opportunities abroad.

18% are pursuing master's or doctoral degrees.

11% are headed abroad for graduate study at Carnegie Mellon, Purdue, Duke, Cornell, Brown, California at Santa Barbara, Texas, Washington-Seattle, etc.

3 students filed for patents.

PHD SELECTIVITY 0.75% PhD applications quadrupled at IIT Gandhinagar in 2013, yielding an admission selectivity of under 1%

MTECH SELECTIVITY 0.5% MTech applications tripled at IIT GN in 2013, yielding an admission selectivity of 0.5%