

Title: [Interns add colour to IIT-Gn](#)

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# Interns add colour to IIT-Gn

Technology institute hosts 122 students from India and Sri Lanka who will work as interns on 70 research projects

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Summer holidays seem to have added to the vibrancy of a top-notch technology institute on the outskirts of the city, with over 100 out-station students joining for internships. Candidates from various pockets of India and the world have reached the Indian Institute of Technology Gandhinagar to spend a month on various ongoing research projects as part of an internship programme. The institute's Summer Research Internship Program (SRIP) has also seen an increase in registration numbers with 122 students enrolling for 2017. In 2016, the institute had 94 interns.

Officials at IIT-Gn have said SRIP sees participation from several reputed colleges and universities in the country, including institutes like National Institute of Science Education And Research (NISER), BITS Pilani, Indian Institute of Science Education and Research Kolkata, the NITs, Jawaharlal Nehru University. Students from various IITs including IIT Roorkee, IIT (BHU), IIT Kharagpur, IIT Patna, IIT Bhubaneswar and IIT Guwahati are also taking part in the internship programme.

According to faculty members, around 70 research projects were offered by over 40 faculty members to students as part of SRIP. Students are either funded by IIT-Gn or faculty members. The number of research interns funded by faculty members increased from 26 last



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“These interns will excel in life and we aim to help them do so through our summer projects”



-Sudhir Jain, IIT-Gn Director

“At IIT-Gn, I will be part of a team working on a project on solar energy, using just DC power”



-Nidershan Sugneshwaran, Sri Lankan student

year to 54 students this year.

## Value addition for kids

Professor Vineet Vashista, a faculty coordinator for a program added, “Faculty members have found a large number of high quality students among the applicants this year.”

Director, IIT-Gn Sudhir K Jain said there are three things associated with this internship program. “Summer in-

ternship is valuable for us as well as students. At IIT-Gn, one out of 100 applicants is selected. These students will excel in life and we aim to add value to them and make them better. That will bring us satisfaction of helping them excel. We not only focus on students' growth but also teach them team work. In other places, students have to pay the institute but IIT-Gn pays students for interning with the institute. Our fa-

## Projects on offer

- Design of Asynchronous Router for Network-on-chip Architectures
- Developing Bio-inspired Catalysts for Small Molecule Activation
- Industrial Engineering - Solar Panel Production
- Sensorized Passive Prosthetic Limb
- Cable-driven Crawling Robot
- Ecotourism in India
- Virtual Reality based Rehabilitation Platforms
- Understanding Protein-surface Interactions through Molecular Simulations
- Heat Pipe Design for Space Applications
- Mapping of Lower Order River Channels through DEM and Satellite Data
- Preparation of Thin Film Electrodes

ly sought after by the students.

## Exposure to industry

Aakriti Das (20), a student from College of Engineering, Pune said after browsing through the list of projects, she decided to intern on a research project in DC Microgrid. “I am an electrical engineer. I am sure of the fact that I would like to pursue research. However I am not sure of my interest in the subject of research, keeping my interest in renewable energy. During my two-month stay at IIT-Gn, I will be part of a team working on a project on solar energy, using just DC power. The institute will procure instrument from outside and we as a team will devise a contracting mechanism,” she said, explaining her internship to Mirror.

The SRIP also has students from varities in Sri Lanka. Nidershan Sugneshwaran (23) a mechanical engineering student from University of Jaffna in Sri Lanka is interning for a project on lower limb prosthesis design. “There are many amputees in Sri Lanka and as an engineer, I would like to help by developing a design of lower limb prosthesis. During our one month stay at IIT-Gn, we will learn the technique and hope to replicate this in Sri Lanka to help people in need,” he stated.

Sugneshwaran said internships provide an opportunity to work on something out of syllabus but also acquaints the youngsters to the industry and society, giving an opportunity to understand problems faced by them. “As a mechanical engineer, we can offer help by devising designs,” he said.

culty members announce the research projects early to bring more clarity to students, unlike other institutes.”

While each research project received around 110 applicants for internship, some projects such as “Development of audio/image/video processing modules in Python/C/C++ for security systems”, “Industrial Engineering - Solar Panel Production” and “Deep learning and Computer Vision” were high-