



SDG 8: Decent work and economic growth

PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL

The Indian Institute of Technology, Gandhinagar (IITGN) has firmly believed in inclusive growth since the inception of the institute. It has made several efforts to ensure that all categories of staff and migrant workers engaged at the institute have access to basic services. Events and activities are organised for staff development and capacity building of the local community.

Research

The institute has produced four research articles relating to SDG 8, and 6 authors have worked on these publications. Patents granted include Low-cost hand-driven bamboo-cored incense-stick Making Machine: Inventors include Keshav Giriya Navar (a B.Tech alumnus of 2012). The patent number is 375325.

Education

Courses offered during the assessment period relating to this SDG are:

- HS 411: Economic Concepts and Issues in Project Analysis
- MS 491: Special Topics in Management: Marketing Analytics
- MS 491-I: Special Topics in Management: Product Management
- MS 492: Special Topics in Management: Finance Management

Invited lectures

- A Potential Synergy between Heritage Tourism and Sustainable Development Targets: An Insight on Naga Burial Sites by Dr Alino Sumi, Postdoctoral Fellow, Archaeological Sciences Centre, March 3, 2021.
- Economic Ideas from Indian Civilization by Prof Satish Deodhar, IIM Ahmedabad, December 24, 2020.

Community Outreach

- Nidhi Seed Support Programme: IIT Gandhinagar Innovation and Entrepreneurship Centre (IIEC) has received a sanction of funds worth Rs 10.50 crores from the Department of Science and Technology, Government of India under the Nidhi Seed Support Programme. The funds can be utilised to support promising startups incubated at IIEC by providing them seed funding for the order of Rs 25 to 50 lakhs.
- With an aim to illuminate Diwali with environment-friendly self-made decorations that also teach some lessons of Mathematics, the Centre for Creative Learning (CCL) at IITGN has launched a '20-20 lamps' series. As a part of this video series, which was launched on the day of Dussehra and would continue for 20 days up to Diwali, every day, the CCL team would release a video on its YouTube channel on how to make a new paper lamp that is based on one of the Mathematical concepts. This offering from CCL, IITGN, originated during one of the episodes of the immensely popular 3030 STEM program, a live Sunday weekly YouTube series to make Mathematics and Science engaging by creating a sense of wonder from everyday life. 3030 STEM has attracted around 4 lakh registered users with more than 15 lakh views. These easy-to-make DIY paper lamps are exclusively designed by the Centre of Creative Learning team at IITGN, and look resplendent. In these videos, the CCL team not only describes the procedure to make these lamps but also explains the math behind them for those who are interested in learning about platonic and Archimedean solids like Tetrahedron, Octahedron, Cube, Dodecahedron, and so on. Moreover, this creative activity also gives a chance to spend time together as a family to celebrate the festivals.

Operations

Momentum in faculty recruitment

The Institute did not let the pandemic disrupt faculty recruitment and quickly shifted to online platforms to connect with faculty candidates. From July 2020 to June 2021, the Institute made 25 offers, of which 19 accepted the offer. The number of career faculty at the Institute now stands at 110, and 8 others are expected to join in due course. The Institute has also made significant progress in engaging Professors of Practice.

Leadership chat series

The sixth talk under the Leadership Chat Series was held with Major Devender Pal Singh, a Kargil War veteran and India's first blade runner, on April 22, 2021.

IITGN Innovation and Entrepreneurship Centre (IIEC)

IIEC has introduced LaunchPad, an initiative for final-year students of the Institute to provide them with an opportunity to try their entrepreneurial idea.

Startup's achievement

InfyU Labs, an agritech startup pre-incubated at IIEC and supported under the Nidhi Prayas programme, has raised Rs 1.8 crores in a seed round from Indian Angel Network (IAN). The company, currently part of IITGN Research Park, specialises in creating portable devices that determine the internal quality of fresh fruits without cutting them open.

Online workshops

- Future Faculty: A Life of a Scientist behind the Shadow of Science by Prof Hardik Pandya, Assistant Professor, Department of Electronic Systems Engineering, IISc Bangalore, October 25, 2020.
 - Balancing Research and Teaching at a Teaching Intensive Institution by Dr Mayuri Rege, DST-INSPIRE Faculty, Department of Microbiology, Ramnarain Ruia Autonomous College, Mumbai, November 7, 2020.
 - Instrumentation and Control for Technical Staff by Prof S Rajendran, Prof Gopinadhan Kalon, and Mr Pragnesh Parekh, December 14-24, 2020.

Online short courses

- Workplace Leadership for Millennials by Prof Rajeev Rajan Sharma, Professor at International Management Institute (IMI), New Delhi, October 24 to November 29, 2020.
- Communicative English for Staff (Advance) by Ms Akanksha Tripathi, former Teaching Associate, Writing Studio, IITGN, in the span of four weeks in the month of January 2021.
- O-CEO PROGRAMME Intending to build real job skills and leadership skills among students and also help them sustain themselves while studying, the Institute has launched a new initiative called 'On-Campus Employment Opportunities' (O-CEO) programme for eligible BTech and Master (MSc, MA and MTech) students.

Staff Development Cell

For the overall development of the staff, the Staff Development Cell conducted various events and the specifications of all those are mentioned in the table below-

Sr. No.	Date	Event title	Name of the Speaker	Number of Participants	Details
1	04.07.2020	Choice is Yours	Dr Yelamanchi Ramakrishna (23 years of experience at IAF) who is a Life Coach and Motivational speaker.	64	Inner Engineering, Adversity Quotient (AQ), One day learning, Happiness Management.
2	25.07.2020	Art of Creating First and Lasting Impression	By Major Suman Bazad	71	# Recognize the importance of creating first Impression # Project powerful Personal And Professional Image # Distinguish between Negative and Positive Self Image # Develop Powerful Self

					Image through various tools and techniques. # Determine how to create a powerful Image for a successful life. .
3	14.09.2020 to 18.09.2020	Traning on Basic Electrical Tools'	Instructed by Laboratory staff of Electrical Engineering Discipline of IIT Gandhinagar	21	The sessions were mainly focused on various aspects of basic electrical engineering tools like Identification of components and soldering, types of wiring, Electrical measurement devices and tools, D.C. and A.C. system, etc.
4	31.01.2021	Network is Net-worth - Getting best out of LinkedIn	Mr. Saumil Shah	33	1. Building LinkedIn profile (70%) 2. Networking strategies (10%) 3. Exploring Learning Opportunities (10%) 4. Getting mentored (10%)
5	27.02.2021	Advanced Training on Tally Software	Mr. Tejas from TallyHUB which is a Tally Certified Sales & Solution Provider, based at Ahmedabad,	10	Advance level Tally
6	06.03.2021	Customized Training on uses of the "Tally software" for Material Management purpose (PO to stock-keeping)	Mr. Tejas from TallyHUB which is a Tally Certified Sales & Solution Provider, based at Ahmedabad,	21	The session covered how to issue a purchase order through tally, how to manage the delivery of the material and make a payment to the vendor through the software after issuing a purchase order.