Indian Institute of Technology Gandhinagar

IITGN
annual report
2022-2023

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Vision mission and values

CORE FEATURES

» A safe and peaceful environment
» Relevant and responsive to the changing needs of our students and the society
» Academic autonomy and flexibility
» Research Ambiance
» Nature of faculty and students:
    — Faculty recruiting norms are much higher than most of the academic institutes in India
    — Students are inducted strictly on a merit basis
» Sustainable and all-inclusive growth, including community outreach programmes
» Infrastructure: Liberal funding to the laboratory facilities and amenities to make them comparable to those best in the world
» Administration: Exclusive concern of IIT Gandhinagar, and handled internally
    — Director given adequate powers to manage most academic, administrative and financial issues (within the framework)
» Residential Campus:
    — Leads to closer academic and social interaction between students and faculty
    — Develops stronger community spirit and provides opportunity to learn from each other
    — Sustained academic ambiance resulting in higher creativity from everyone.

PRINCIPLES

» Lifelong commitment to learning
» Encouragement of merit
» Passion and motivation for work
» Professionalism
» Respect for law
» Concern for the improvement of the society
» Transparency in functioning of the Institute
» Dedication to the Institute

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 make mistakes
» Social and Moral responsibility
» Respect for every individual, and diversity
» Co-operation, Collaboration and Team Work

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.

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 the 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 language 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 a process of learning that is free, fulfilling and 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.
» To make IIT Gandhinagar the preferred destination for future generations of students, staff and faculty.

FROM THE DIRECTOR'S DESK

RAJAT MOONA
Director, IIT Gandhinagar

After the Institute bid farewell to its founding director Prof Sudhir K Jain, who assumed office as the vice-chancellor of Banaras Hindu University earlier this year, Prof Amit Prashant led IITGN as the officiating director until I joined on Oct 3, 2022.

IITGN campus has come alive again with its full student strength, after a couple of years of Covid-induced disruptions, and is pulsating once more with in-person academic, social and community life. The challenges brought about by Covid surges this year were efficiently managed by using institutional facilities such as the guest house and hostel blocks for isolation and recovery. Of course, we continue to remain vigilant and are prepared with the necessary resources and strategies to meet any new challenges. IITGN achieved many milestones during this academic year. The Institute was ranked among the top 10 institutions in India in the Global Universities

Rankings 2022-23 published by the US News & World Report, a Washington DC-based educational ranking organisation. Specifically, the Institute has been ranked 7th in India and 725th globally. We also bagged the Eat Right Campus Award with a five-star rating from FSSAI for the third consecutive year, the second prize in the 3rd National Water Awards by the Ministry of Jal Shakti for planning and management of water resources on campus, and the 'AESA Award 2023' in the non-residential institutional category for our brand new sports complex.

The BTech batch of 2022, which is hopefully the last whose regular schedule was delayed by the pandemic, is also the first one to have supernumerary seats for students selected in training camps for the four oldest International Olympiads in mathematics, physics, chemistry, and informatics. We also directly admitted students, for the first time, in our new BTech-M.Tech dual degree programmes in computer science & engineering, and electrical engineering.

Sixteen of our PhD scholars were selected for the prestigious Prime Minister's Research Fellowship (PMRF) in the May 2022 cycle and 5 in the Dec 2022 cycle. The Institute currently has 52 PMRF fellows, a remarkable number for our size.

We conducted the third edition of Invention Factory India, a unique summer programme in which students conceived, prototyped, and pitched inventions that address different societal or consumer needs, and also filed US as well as Indian provisional patent applications for their inventions, all in a duration of seven weeks.

The Institute commissioned 'PARAM Ananta', a supercomputing facility under the National Supercomputing Mission and also inaugurated a multidimensional academic makerspace to act as a centralised hub for rapid prototyping and innovation. Our research footprint continues to expand. While

many of our faculty members have been making major discoveries, it is heartening to see that some of them are taking findings from their lab to the market through their own start-ups. The IITGN Research Park and the IIT Gandhinagar Innovation and Entrepreneurship Centre (IIEC) are helping IITGN cement its place as a leading hub of interdisciplinary research and industrial collaborations.

Importantly, to communicate our research advancements to a broader audience, we launched the annual "Research Spectra" magazine, periodic newsletters, and a variety of social media series that focus on the research of our faculty, students or postdoctoral researchers.

The Institute continues to build academic and corporate partnerships both in India and abroad. During the past year we signed or renewed various Memoranda of Understanding with the Archaeological Survey of India; Japan Advanced Institute of Science and Technology; ArcelorMittal Nippon Steel India Limited; HILTI; University of Washington, Seattle; University of Miami; IIT Madras; M P Council of Science & Technology; among others.

Philanthropic support from our well-wishers and friends has added further momentum to many of our unique programmes and initiatives. IITGN has crossed Rs 100 crore in philanthropic receipts since its inception, a remarkable feat for a 14-year-old institution. This year, donors established several student scholarships as well as the "Sudhir K Jain Chair", "B V Jagadeesh Chair", "Pandya-Shivpuri Chair in Population Dynamics", "ASI Archaeology Chair", "Erach and Meheroo Mehta Dakshana Memorial Scholarship", "Bhalodia-Khetan Summer Research Excellence Award", and the "Shah Bhogilal Jethalal Laboratory for Passive Fire Systems Testing". Prof Nitish Thakor of Johns Hopkins University, USA made a significant donation to support themed research workshops and networking events between faculty members at IITGN and those at other institutions.

Our campus construction is progressing very well. The guest house and research park started operations this year. The newly commissioned sports complex hosted a national-level Squash Open and co-hosted the 36th National Games for athletics, squash, softball, and triathlon events. The masterplan for Art on Campus has been completed and installations are about to start. The final portion of the academic complex within Phase 1 of campus construction is expected to be completed by March 2023.

IITGN lives by its "students first" motto. With a focus on the overall wellness of our students, we launched the "Student Well-Being" initiative to provide them a nurturing environment to share their academic or non-academic problems and seek support from a team of committed faculty members. We have won awards in the Inter-IIT Sports, Inter-IIT Aquatics Meet and the Inter-IIT Tech Meet.

The Institute welcomed 15 new faculty, increasing the regular faculty strength to 128. A special faculty recruitment drive for reserved categories is currently in process, enhancing faculty diversity. Our faculty continue to receive laurels including INAE Young Engineer Award, INYAS membership, INSA Teachers Award, National Academy of Sciences, India (Platinum Jubilee Young Scientist Award, Fellow) With a deep-rooted belief in inclusivity and community outreach, the Centre for Creative Learning (CCL), NEEV and Nyasa continue to extend and share our knowledge and facilities with our neighbours and broader community.The year

2022 concluded with 'Homecoming', our annual alumni meet, which was attended by over 300 IITGN alumni from around the world. The highlights of this year's event included the felicitation of four successful alumni with the first "IITGN Young Alumni Excellence Awards", Decennial Reunion of the first batch of IITGN graduates from 2012, as well as a "Grad Walk" for the class of 2020 and 2021, who missed the experience of physical convocation ceremonies due to the pandemic.

A sapling that was planted and nurtured 14 years ago has grown into a resilient tree extending its branches in all directions and beginning to bear academic and research fruits. Our faculty have made significant contributions through their research and scholarship as well as innovative teaching and learning initiatives, while our students have excelled in the classrooms and beyond. Our staff have worked tirelessly to support the mission of the Institute, and our young alumni have made their marks in their respective fields and communities.

I am filled with optimism as we look ahead to the new year. I am confident that together we will continue to make a difference in the world. I express my heartfelt gratitude to all of you for joining us in our endeavour to establish ourselves as a global destination for higher education and innovation.

ORGANISATION

BOARD OF GOVERNORS
(As on Mar 31, 2023)

CHAIRMAN
DR RAJIV I MODI
Chairman & Managing director
Cadila Pharmaceuticals Ltd

MEMBERS
DR B N GANGADHAR
Former Director
National Institute of Mental Health and Neurosciences
Bengaluru

SHRI B C TRIPATHI
Former Chairman & Managing Director
GAIL (India) Limited
New Delhi

SHRI KAMAL BALI
President & Managing Director
Volvo Group India Private Limited
Bengaluru

SHRI RAKESH RANJAN, IAS
Additional Secretary (Technical Education)
Department of Higher Education
Ministry of Education
Government of India, New Delhi

SHRI RAJ KUMAR, IAS
Chief Secretary
Government of Gujarat
Gandhinagar

SHRI PRAFULBHAI K PATEL
Administrator
UT Administration of Daman and Diu Daman (UT)

PROF RAJAT MOONA
Director (Oct 3, 2022 onwards)
Indian Institute of Technology Gandhinagar

PROF AMIT PRASHANT
Officiating Director (Jan 4, 2022 - Oct 2, 2022)
Professor, Indian Institute of Technology Gandhinagar

PROF PRANAB MOHAPATRA
Professor
Indian Institute of Technology Gandhinagar

SECRETARY
SHRI P K CHOPRA
Registrar
Indian Institute of Technology Gandhinagar

FINANCE COMMITTEE
(As on Mar 31, 2023)

CHAIRMAN
DR RAJIV I MODI
Chairman & Managing Director
Cadila Pharmaceuticals Ltd.

MEMBERS
PROF RAJAT MOONA
Director (Oct 3, 2022 onwards)
Indian Institute of Technology Gandhinagar

PROF AMIT PRASHANT
Officiating Director (Jan 4, 2022 - Oct 2, 2022)
Professor, Indian Institute of Technology Gandhinagar

SHRI RAKESH RANJAN, IAS
Additional Secretary (Technical Education)
Department of Higher Education
Ministry of Education
Government of India, New Delhi

SHRI SANJOG KAPOOR
Joint Secretary & Financial Advisor
Ministry of Education
Government of India, New Delhi

SHRI BHADRESH MEHTA
Chartered Accountant
Ahmedabad

PROF PRATIK MUTHA
Associate Professor
Indian Institute of Technology Gandhinagar

SECRETARY
SHRI P K CHOPRA
Registrar
Indian Institute of Technology Gandhinagar

BUILDING AND WORKS COMMITTEE

(As on Mar 31, 2023)

CHAIRMAN

PROF RAJAT MOONA
Director (Oct 3, 2022 onwards)
Indian Institute of Technology Gandhinagar

PROF AMIT PRASHANT
Officiating Director (Jan 4, 2022 - Oct 2, 2022)
Professor, Indian Institute of Technology Gandhinagar

MEMBERS

PROF NEELKANTH CHHAYA
Former Dean
Faculty of Architecture
CEPT University, Ahmedabad

SHRI M B BHALALA
Former Chief Engineer
Roads & Buildings Department
Government of Gujarat
Gandhinagar

SHRI K S WAGH
Chief Advisor (Civil Infrastructure)
Indian Institute of Technology Bombay
Powai, Mumbai

SHRI A K JAIN
Former Special Director General
Central Public Works Department Government of India
New Delhi

SHRI L P SRIVASTAVA
Advisor (Works)
Indian Institute of Technology Gandhinagar

PROF GAURAV SRIVASTAVA
Dean (Campus Development)
Indian Institute of Technology Gandhinagar

SECRETARY

SHRI P K CHOPRA
Registrar
Indian Institute of Technology Gandhinagar

SENATE
(As on Mar 31, 2023)

CHAIRMAN
PROF RAJAT MOONA
Director (Oct 3, 2022 onwards)
Indian Institute of Technology
Gandhinagar

PROF AMIT PRASHANT
Officiating Director (Jan 4, 2022 -
Oct 2, 2022)
Professor, Indian Institute of
Technology Gandhinagar

MEMBERS
Prof Aashish Xaxa
Prof Abhijit Mishra
Prof Akshaa Vatwani
Prof Amit Arora
Prof Amit Prashant
Mr Anand Parekh
Prof Anirban Dasgupta
Prof Arup Lal Chakraborty
Prof Atul Bhargav
Prof Chinmay Ghoroi
Prof Deepak Kunzru
Prof Dhiraj Bhatia
Prof Dilip Srinivas Sundaram
Prof G K Sharma
Prof Gaurav S
Prof Gayatri Menon
Prof Harish P M
Prof Himanshu Shekhar
Prof Indranath Sengupta
Prof Jagmohan Tyagi
Prof Jaison Manjaly
Prof Jhuma Saha
Prof Kabeer Jasuja
Prof Krishna Miyapuram
Prof Meera Mary Sunny
Prof Namit Mahajan
Prof Neeldhara Misra
Prof Nihar Ranjan Mohapatra
Prof Nishaant Chokshi
Prof Nithin V George
Prof Pankaj Khanna
Prof Pranab Kumar Mohapatra
Prof Prasanna Venkatesh
Prof Pratik Mutha
Prof Pratyush Dayal
Prof S P Mehrotra
Prof Sameer Dalvi
Prof Sameer Kulkarni
Prof Sameer Patel
Prof Saumyakanti Khatua
Prof Sharmistha Majumdar
Prof Sivapriya Kirubakaran
Prof Sudipta Basu

Mr Sunil Parekh
Prof Udit Bhatia
Prof Utsav Mannu
Prof Uttama Lahiri
Prof Vikrant Jain
Prof Vimal Mishra
Prof Vinod Chandra
Prof Vinod Narayanan

SECRETARY
SHRI P K CHOPRA
Registrar

PERMANENT INVITEES
DR T S KUMBAR
Librarian

PROF BHASKAR DATTA
Head, Counselling Service

STUDENT INVITEES
Nikharv Vipul Shah, (General
Secretary, Student Council)
Abhiram Geddam, (Convener,
Student Senate)
Rashi Kumar (MSc 2021)
Siddhi Pravin Surawar (BTech
2019)
Simranjit Singh (PhD 2018)

STANDING COMMITTEES OF THE SENATE

SENATE ACADEMIC PERFORMANCE EVALUATION COMMITTEE (SAPEC)
Prof Sameer Dalvi, Head,
Engineering Discipline (Convener)
Prof Nithin George, Member [ex-officio]
Prof Saumyakanti Khatua, Member [ex-officio]
Prof Himanshu Shekhar, Member [ex-officio]
Prof Bhaskar Datta
Prof Ambika Ayadurai
Prof Raghavan K
Prof Sharmita Lahiri
Prof S Rajendran
Prof Joycee Mekie

SENATE ACADEMIC PROGRAMMES COMMITTEE (SAPC)
Prof Nithin George, Dean,
Academic Affairs, Chairman [ex-officio]
Prof Himanshu Shekhar, Member

Prof Saumyakanti Khatua
Prof Sameer Dalvi
Prof Vikrant Jain
Prof Jaison Manjaly
Prof Dhiraj Bhatia
Prof Chinmay Ghoroi
Prof Sudipta Basu
Prof Vimal Mishra
Prof Meera M Sunny
Prof Anirban Dasgupta
Prof Arup Lal Chakraborty
Prof Nishaant Choksi
Prof Amit Arora
Prof Jagmohan Tyagi
Prof Vinod Narayanan
Prof Vinod Chandra
Prof Pankaj Khanna
Kalash Kankaria
Revant Shah

SENATE SCHOLARSHIPS AND PRIZES COMMITTEE (SSPC)
Prof Sivapriya Kirubakaran,
Chairman [ex-officio]
Prof Jaichander Swaminathan,
Member [ex-officio]
Prof Sriram Kanvah
Prof Manish Kumar
Prof Chetan Pahlajani

SENATE STUDENT AFFAIRS COMMITTEE (SSAC)
Prof Sivapriya Kirubakaran,
Chairman [ex-officio]
Prof Angus McBlane, Convener
Prof Raghavan Ranganathan,
Member [ex-officio]
Prof Meera M Sunny
Prof Sairam Swaroop M
Prof Biswajit Mondal
Prof Chetan Pahlajani
Nikharv Vipul Shah, General
Secretary, Student Council
Abhiram Geddam, Convener,
Student Senate
Renuka L (MSc 2021)
lsha Bayad (BTech 2019)

SENATE LIBRARY COMMITTEE
Prof Anirban Dasgupta, Chairman
Dr T S Kumbar
Shri Nirmal Jha
Shri L P Srivastava
Prof Madhumita Sengupta
Ms Saswati Roy
Rushik Desai (BTech 2019)
Ayush Yadav (BTech 2020)

ACADEMIC OFFICIALS

DIRECTOR
Prof Rajat Moona
Director (Oct 3, 2022 onwardsonwards)

Prof Amit Prashant
Officiating Director (Apr 1, 2022 – Oct 3, 2022)

ACADEMIC AFFAIRS
Prof Nithin George
Dean, Academic Affairs

> Prof Himanshu Shekhar
> Associate Dean, Undergraduate Studies
>
> Prof Saumyakanti Khatua
> Associate Dean, Postgraduate Studies
>
> Prof Shanmuganathan Raman
> Coordinator, International Students
>
> Prof Baradhwaj Coleppa
> Chair, JEE
>
> Prof Sriram Gundimeda
> Chair, JAM

STUDENT AFFAIRS
Prof Sivapriya Kirubakaran
Dean, Student Affairs

> Prof Raghavan Ranganathan
> Associate Dean, Student Welfare
>
> Prof Jaichander Swaminathan
> Associate Dean, Student Development
>
> Prof Mithun Radhakrishna
> Head, Career Development Services &
> Coordinator, Placement
>
> Prof Iti Gupta
> Prof Biswajit Mondal
> Warden, Student Welfare
>
> Prof Tarun Agarwal
> Head, Counselling Service
>
> Prof Bhaskar Datta
> Head, Counselling Service
>
> Prof Indranath Sengupta
> Coordinator, Student Support Service
>
> Prof Subramanian Sankaranarayanan
> Coordinator, Student Wellbeing Initiative
>
> Prof Naran Pindoriya
> Convener, Financial Grants and Loans
> Committee
>
> Prof Jaison Manjaly
> Head, Sports

FACULTY AFFAIRS
Prof G K Sharma
Professor-in-Charge, Faculty Affairs

> Prof Abhijit Mishra
> Associate Dean, Faculty Relations
>
> Prof Udit Bhatia
> Associate Dean, Faculty Recruitment

EXTERNAL RELATIONS
Prof S P Mehrotra
Professor-in-Charge, External Relations
Prof Sharmistha Majumdar
Associate Dean, External Communication
Mr Nirmal Jha
Team Leader, External Relations
Prof Achal Mehra
Team Leader, Overseas Partnerships
Prof Vikrant Jain
Team Leader, Institutional Data for Rankings, Awards,
Peer Review

GENERAL ADMINISTRATION
Prof Harish P M (Jan 30, 2023 - Mar 31, 2023)
Dean, General Administration

> Prof Dilip Srinivas Sundaram (Sep 19, 2022 - Mar
> 31, 2023)
> Associate Dean, General Administration

RESEARCH AND DEVELOPMENT
Prof Amit Prashant
Dean, Research and Development

> Prof Sharad Gupta
> Associate Dean, External Projects

ALUMNI AFFAIRS
Prof Jaison Manjaly
Professor-in-Charge, Alumni Relations

CAMPUS DEVELOPMENT & MANAGEMENT
Prof Gaurav Srivastava
Dean, Campus Development

> Prof Abhay Raj Gautam
> Associate Dean, Campus Management

INFORMATION SYSTEMS AND TECHNOLOGY FACILITY (ISTF)
Prof Mayank Singh
Coordinator, ISTF

> Prof Dilip Srinivas Sundaram
> Co-coordinator, ISTF

INSTITUTIONAL ADVANCEMENT
Prof Pratik Mutha
Dean, Institutional Advancement

INSTITUTE MANAGEMENT SYSTEM (IMS)
Prof Amit Prashant
Chairman, IMS

> Prof Sameer G Kulkarni
> Coordinator, IMS

Prof Jaichander Swaminathan
IMS Liaison

HEADS

Prof Sameer Dalvi
Head, Engineering Disciplines

Prof Vikrant Jain
Head, Natural Sciences

Prof Jaison A Manjaly
Head, Humanities and Social Sciences

CHIEF INFORMATION SECURITY OFFICER

Prof Mayank Singh
Computer Science and Engineering

DISCIPLINE COORDINATORS

(As on Mar 31, 2023)

Prof Dhiraj Bhatia
Biological Engineering

Prof Chinmay Ghoroi
Chemical Engineering

Prof Sudipta Basu
Chemistry

Prof Vimal Mishra
Civil Engineering

Prof Meera M Sunny
Biological Engineering

Prof Anirban Dasgupta
Computer Science and Engineering

Prof Arup Lal Chakraborty
Electrical Engineering

Prof Nishaant Choksi
Humanities and Social Sciences

Prof Amit Arora
Materials Engineering

Prof Jagmohan Tyagi
Mathematics

Prof Vinod Narayanan
Mechanical Engineering

Prof Vinod Chandra
Physics

Prof Pankaj Khanna
Earth Sciences

CENTRES COORDINATORS

(As on Mar 31, 2023)

ARCHEOLOGICAL SCIENCES CENTRE
Coordinator: Prof V N Prabhakar
Co-coordinator: Prof Sharada C V

CENTRE FOR BIOMEDICAL ENGINEERING
Coordinator: Prof Uttama Lahiri
Co-coordinator: Prof Karla P Mercado-Shekhar

CENTRE FOR CREATIVE LEARNING
Coordinator: Prof Manish Jain
Co-coordinator: Prof Bireswar Das

CENTRE FOR COGNITIVE AND BRAIN SCIENCES
Coordinator: Prof Pratik Mutha
Co-coordinator: Prof Vineet Vashista

DESIGN AND INNOVATION CENTRE
Coordinator: Prof Madhu Vadali
Co-coordinator: Prof Manasi Kanetkar

DR KIRAN C PATEL CENTRE FOR SUSTAINABLE DEVELOPMENT
Coordinator: Prof Achal Mehra
Co-coordinator: Prof Vimal Mishra

CENTRE FOR SAFETY ENGINEERING
Coordinator: Prof Chinmay Ghoroi
Co-coordinator: Prof Gaurav Srivastava

STUDENT LEADERSHIP
The following students were declared elected as office bearers for the academic year 2022-23:

Convener, Student Senate	: Abhiram Geddam
General Secretary	: Nikharv Vipul Shah
Welfare & Cultural Secretary	: Adarsh Golait
Academic & Industry Relations & Projects (IR&P) Secretary	: Revant Shah
Technical Secretary	: Aniket Rajnish
Sports Secretary	: Akhilesh Singh Chauhan
Professional Development Council (PDC) Secretary	: Dhvani Manish Shah
Mess Secretary	: Ishan Sunil Prayagi

ACADEMICS

PROGRAMMES
OFFERED

BTECH
Chemical Engineering | Civil Engineering | Computer Science and Engineering | Electrical Engineering | Materials Engineering | Mechanical Engineering

MSc
Chemistry | Cognitive Science | Mathematics | Physics

MA
Humanities and Social Science

MTECH / PGDIIT
Biological Engineering | Chemical Engineering | Civil Engineering | Computer Science and Engineering | Earth System Science | Electrical Engineering | Materials Engineering | Mechanical Engineering

PhD
Biological Engineering | Chemical Engineering | Chemistry | Civil Engineering | Cognitive Science | Computer Science and Engineering | Earth Sciences | Electrical Engineering | Humanities & Social Sciences | Materials Engineering | Mathematics | Mechanical Engineering | Physics

BSc (ENGINEERING)
- three-year BSc degree is an "Exit" degree and no separate admissions are offered into this program. BSc in Engineering has no sub-specialisation.

VISITING STUDENT PROGRAMME
- A student who is registered for a degree in a recognised institute or university in India or abroad, and who is officially sponsored by that institute or university to complete part of his/her academic requirements at IITGN, can apply for admission to IITGN as a visiting student.

Apart from the above mentioned programmes, Dual Major BTech Programme, BTech- MTech Dual Degree and BTech-MSc Dual Degree are also offered.

DUAL MAJOR BTECH PROGRAMME
- through which a student can graduate with degrees in two disciplines

BTECH-MTECH DUAL DEGREE
- which enables a student to graduate with both BTech and MTech degrees in five years. From the academic year 2022-23, students have also been admitted to BTech-MTech Dual Degree programme directly through JEE (advanced) in the disciplines of Computer Science & Engineering and Electrical Engineering.

BTECH-MSc DUAL DEGREE
- through which a student can graduate with both BTech and MSc degrees in five years

11TH CONVOCATION

IITGN hosted its 11th Convocation on July 30, 2022, by conferring degrees to a total of 397 students in an offline ceremony. The Institute awarded degrees to 179 BTech students, 4 Dual Major BTech students, 1 BTech-MTech Dual Degree student, 3 BSc in Engineering students, 43 MTech students, 105 MSc students, 20 MA students, 39 PhD students, and 3 PGDIIT students. This year, 35 students received 50 medals, including 33 gold medals and 17 silver medals for excellence in various categories. **Dr Krishnaswamy VijayRaghavan**, former Principal Scientific Adviser, Government of India, graced the occasion as the chief guest and motivated students to solve global challenges of this era. **Prof Amit Prashant,** officiating director, congratulated the graduating students and medal winners and gave a brief overview of the Institute's activities and achievements during the year. **Kushagra Sharma** was awarded the President's Gold Medal for BTech, **Hiren Solanki** secured the President's Gold Medal for MTech, and **Apoorva Sharma** received the President's Gold Medal for MSc and MA. **Praveen Venkatesh** bagged the Director's Gold Medal for BTech, Director's Gold Medal for MTech went to **Athulkumar R**, Director's Gold Medal for MSc and MA was awarded to **Abhinanda Dash**. The entire event was also streamed online on IITGN's YouTube channel.

DISTRIBUTION OF BTECH DEGREES AMONG THE GRADUATING BATCHES OF 2012-2018

Year	BTech	BTech with Honours	BTech with one Minor	BTech with two Minors	BTech with Honours and one Minor	Total Strength
Batch of 2012	75	6	31	0	2	114
Batch of 2013	64	15	44	0	1	124
Batch of 2014	42	28	37	2	3	112
Batch of 2015	93	21	26	0	4	144
Batch of 2016	116	24	32	1	0	173
Batch of 2017	100	21	52	1	1	175
Batch of 2018	117	14	45	2	1	179

RECIPIENTS OF THE DEGREE OF BACHELOR OF TECHNOLOGY

Roll No	Name	Degree
17110081	Manraj Meena	Bachelor of Technology in Chemical Engineering
18110001	A K Gokul Raman	Bachelor of Technology in Chemical Engineering
18110008	Aditi Gera	Bachelor of Technology in Chemical Engineering
18110015	Aman Sharma	Bachelor of Technology in Chemical Engineering
18110027	Chavan Ashish Kishor	Bachelor of Technology in Chemical Engineering with Minor in Humanities and Social Sciences
18110029	Atul Patidar	Bachelor of Technology in Chemical Engineering
18110032	Baheti Sakshi Prabhulal	Bachelor of Technology in Chemical Engineering with Minor in Management
18110035	Bhatt Pratyush Hemant	Bachelor of Technology in Chemical Engineering with Minor in Management
18110037	Bhavya Gupta	Bachelor of Technology in Chemical Engineering with Minor in Management
18110042	Daga Parth Prakash	Bachelor of Technology in Chemical Engineering with Minor in Computer Science and Engineering
18110048	Bhutada Dhanesh Jagdish	Bachelor of Technology in Chemical Engineering with Minor in Management
18110070	Shah Jay Ashish	Bachelor of Technology with Honours in Chemical Engineering
18110082	Kartik Hillal	Bachelor of Technology in Chemical Engineering
18110092	Lavanya Naik	Bachelor of Technology in Chemical Engineering
18110096	Manidhar M	Bachelor of Technology in Chemical Engineering

18110098	Maitreya Thakur	Bachelor of Technology in Chemical Engineering
18110103	Mrityunjay Saraf	Bachelor of Technology in Chemical Engineering
18110105	N T Ramakrishnan	Bachelor of Technology in Chemical Engineering
18110109	Nitin Kumar Gupta	Bachelor of Technology in Chemical Engineering
18110126	Prasanna D	Bachelor of Technology in Chemical Engineering
18110151	Sakshi Yogesh Kabra	Bachelor of Technology in Chemical Engineering
18110167	Sumit Kumar	Bachelor of Technology in Chemical Engineering
18110172	Tanmay Sharma	Bachelor of Technology in Chemical Engineering with Minor in Computer Science and Engineering
18110173	Tella Selva Sowmya Rani	Bachelor of Technology in Chemical Engineering
18110174	Thakar Devanshu Nilesh	Bachelor of Technology in Chemical Engineering with Minor in Computer Science and Engineering
18110189	Vishal Bamania	Bachelor of Technology in Chemical Engineering
18110012	Malve Aishwarya Ajay	Bachelor of Technology with Honours in Civil Engineering
18110014	Aman	Bachelor of Technology in Civil Engineering with Minor in Computer Science and Engineering
18110020	Amlin Jose	Bachelor of Technology in Civil Engineering
18110021	Anas Ali	Bachelor of Technology in Civil Engineering
18110028	Ashish Kumar Meena	Bachelor of Technology in Civil Engineering
18110030	Avinash	Bachelor of Technology in Civil Engineering
18110031	Lodha Ayush Manojkumar	Bachelor of Technology in Civil Engineering with Minor in Computer Science and Engineering
18110033	Bhanu Jarwal	Bachelor of Technology in Civil Engineering
18110034	Bhanu Pratap Singh	Bachelor of Technology in Civil Engineering
18110038	Boddu Sai Gowri Jhansi	Bachelor of Technology with Honours in Civil Engineering
18110044	Dave Hari Manish	Bachelor of Technology in Civil Engineering
18110046	Devendra Singh	Bachelor of Technology in Civil Engineering
18110056	Gondalia Dhruvi Ramniklal	Bachelor of Technology in Civil Engineering
18110059	Hardik Khichi	Bachelor of Technology in Civil Engineering
18110066	Hitesh Joya	Bachelor of Technology in Civil Engineering
18110081	Kamlesh Arun Sawadekar	Bachelor of Technology in Civil Engineering with Minor in Computer Science and Engineering
18110085	Kishan Singh	Bachelor of Technology in Civil Engineering
18110128	Preeti	Bachelor of Technology in Civil Engineering
18110137	Rahul Patel	Bachelor of Technology in Civil Engineering with Minor in Computer Science and Engineering
18110141	Robin Kumar	Bachelor of Technology in Civil Engineering
18110143	Rohit Verma	Bachelor of Technology in Civil Engineering
18110175	Trivedi Shubhang Krishnakant	Bachelor of Technology in Civil Engineering
18110178	Utkarsh Nanda	Bachelor of Technology in Civil Engineering
18110182	Vaibhav Sharma	Bachelor of Technology in Civil Engineering
18110193	Yashi Gaur	Bachelor of Technology in Civil Engineering with Minor in Management
18110194	Yogesh Kumar Dhawan	Bachelor of Technology in Civil Engineering
18110009	Aditya Dilip Pusalkar	Bachelor of Technology with Honours in Computer Science and Engineering
18110010	Aditya Tripathi	Bachelor of Technology in Computer Science and Engineering
18110011	Aishna Agrawal	Bachelor of Technology in Computer Science and Engineering
18110013	Pawar Ajinkya Shirish	Bachelor of Technology in Computer Science and Engineering
18110016	Amey Amol Kulkarni	Bachelor of Technology with Honours in Computer Science and Engineering
18110017	Amireddy Manisha	Bachelor of Technology in Computer Science and Engineering
18110022	Anupam Kumar	Bachelor of Technology in Computer Science and Engineering
18110025	Arpit Venilal Patel	Bachelor of Technology in Computer Science and Engineering
18110040	Preeti Chiluveru	Bachelor of Technology in Computer Science and Engineering

18110041	Chris Francis	Bachelor of Technology in Computer Science and Engineering
18110052	Dishank Goel	Bachelor of Technology in Computer Science and Engineering
18110053	Gannavarapu Dhanya Sree	Bachelor of Technology in Computer Science and Engineering
18110058	Guntreddi Harshavardhan	Bachelor of Technology in Computer Science and Engineering
18110062	Harsh Mahendra Bhai Patel	Bachelor of Technology with Honours in Computer Science and Engineering
18110063	Harshit Kumar	Bachelor of Technology in Computer Science and Engineering
18110069	Janvi Vinodkumar Thakkar	Bachelor of Technology with Honours in Computer Science and Engineering
18110076	Joshi Devvrat Shailesh	Bachelor of Technology in Computer Science and Engineering
18110079	Kalyan Reddy S	Bachelor of Technology in Computer Science and Engineering
18110084	Katpara Shruti Ashokkumar	Bachelor of Technology in Computer Science and Engineering
18110091	Kushagra Sharma	Bachelor of Technology in Computer Science and Engineering
18110100	Mihir Vikram Jain	Bachelor of Technology in Computer Science and Engineering
18110102	Mohammad Shahid Shareef	Bachelor of Technology in Computer Science and Engineering
18110108	Nishikant Parmar	Bachelor of Technology in Computer Science and Engineering
18110124	Pranshu Kumar Gond	Bachelor of Technology in Computer Science and Engineering
18110125	Prasad Devidas Athave	Bachelor of Technology in Computer Science and Engineering
18110129	Priyam Tongia	Bachelor of Technology in Computer Science and Engineering
18110132	Pushkar Mujumdar	Bachelor of Technology in Computer Science and Engineering
18110135	Raghav Goyal	Bachelor of Technology in Computer Science and Engineering
18110148	Sachin Yadav	Bachelor of Technology in Computer Science and Engineering
18110149	Sagar Bisen	Bachelor of Technology in Computer Science and Engineering
18110159	Shivam Sahni	Bachelor of Technology with Honours in Computer Science and Engineering
18110165	Siddharth Soni	Bachelor of Technology in Computer Science and Engineering
18110190	Vivek Upendrakumar Modi	Bachelor of Technology in Computer Science and Engineering
17110127	Kumthekar Rushikesh Vijay	Bachelor of Technology in Electrical Engineering
18110005	Abhinav Meena	Bachelor of Technology in Electrical Engineering
18110024	Arpit Kaushal	Bachelor of Technology in Electrical Engineering
18110026	Kabra Arpita Sanjay	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110036	Bhavesh Kumar Solanki	Bachelor of Technology in Electrical Engineering
18110050	Lodhavia Dhruvi Prakash	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110051	Patel Dhruvin Pankajkumar	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110057	Gudivada Venkata Prudvi Tej	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110061	Harish Meghwal	Bachelor of Technology in Electrical Engineering
18110064	Shastri Hetvi Hiren	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110068	Jani Dhyey Hareshbhai	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110074	Jessica Satyarthi	Bachelor of Technology in Electrical Engineering
18110075	Jitender Kumar	Bachelor of Technology in Electrical Engineering
18110080	Kamble Yash Gautam	Bachelor of Technology in Electrical Engineering
18110089	Kumar Ayush Paramhans	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110090	Kuntal Sunilkumar Patel	Bachelor of Technology in Electrical Engineering with Minor in Management
18110093	Laxman	Bachelor of Technology in Electrical Engineering
18110110	Palak Purohit	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110117	Permender Kumar	Bachelor of Technology in Electrical Engineering
18110121	Prajapati Pradipbhai Dahyabhai	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110123	Prankush Agarwal	Bachelor of Technology with Honours in Electrical Engineering

18110127	Praveen Venkatesh	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110138	Reddy Venkata Neeraj Kumar	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110139	Rishi Patidar	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110144	Roopak Sharma	Bachelor of Technology in Electrical Engineering
18110152	Vadhvana Sanket Jagdish Kumar	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110153	Satyam Kumar	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110154	Jay Rahulbhai Shah	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110160	Shivanshu Sharma	Bachelor of Technology in Electrical Engineering with Minor in Management
18110162	Shril Paresh Mody	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110163	Shruti Prakash Gupta	Bachelor of Technology with Honours in Electrical Engineering
18110176	Udit Vyas	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110177	Unnat Nikhil Dave	Bachelor of Technology in Electrical Engineering
18110179	Vagisha	Bachelor of Technology with Honours in Electrical Engineering
18110185	Varun Jain	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110188	Viraj Kalpesh Shah	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
18110191	Vrutik Chandresh Shah	Bachelor of Technology in Electrical Engineering with Minor in Computer Science and Engineering
16110058	Godina Ganga Hrishikesh	Bachelor of Technology in Materials Science and Engineering
17110129	Sagar Singh Meena	Bachelor of Technology in Materials Science and Engineering
18110003	Aastha Jivrajani	Bachelor of Technology in Materials Science and Engineering
18110018	Amish Raj	Bachelor of Technology in Materials Science and Engineering
18110047	Dhananjay Singh	Bachelor of Technology in Materials Science and Engineering
18110049	Dhruv Mahesh Bukinkere	Bachelor of Technology in Materials Science and Engineering
18110065	Himanshu	Bachelor of Technology in Materials Science and Engineering
18110067	Janhavi Premi	Bachelor of Technology in Materials Science and Engineering
18110083	Katike Pranay Deep Reddy	Bachelor of Technology in Materials Science and Engineering with Minor in Computer Science and Engineering
18110086	Krish Gupta	Bachelor of Technology in Materials Science and Engineering
18110099	Dhruv Menon	Bachelor of Technology with Honours in Materials Science and Engineering
18110101	R Mithun	Bachelor of Technology in Materials Science and Engineering
18110115	Patel Smit Bhupeshbhai	Bachelor of Technology in Materials Science and Engineering
18110119	Poreddy Venkat Karthik	Bachelor of Technology in Materials Science and Engineering
18110158	Shashi Sarraf	Bachelor of Technology in Materials Science and Engineering
18110161	Shlok Prashant Ramteke	Bachelor of Technology in Materials Science and Engineering
18110168	Suryansh Kumar	Bachelor of Technology in Materials Science and Engineering with Minor in Computer Science and Engineering
18110170	Tanishque Zaware	Bachelor of Technology in Materials Science and Engineering with Minor in Computer Science and Engineering
14110083	Ninama Rishilkumar Ramjibhai	Bachelor of Technology in Mechanical Engineering
17110156	Sourabh Khatik	Bachelor of Technology in Mechanical Engineering
18110002	Aarish Parag Shah	Bachelor of Technology in Mechanical Engineering
18110007	Abhiraj Bhasin	Bachelor of Technology in Mechanical Engineering
18110023	Anusheel Kaula	Bachelor of Technology in Mechanical Engineering
18110045	Deepesh Pankaj	Bachelor of Technology in Mechanical Engineering
18110054	Dalmia Gaurav Ravi	Bachelor of Technology in Mechanical Engineering with Minor in Management

18110071	Jaydeep Gulab Ramnani	Bachelor of Technology in Mechanical Engineering with Minor in Computer Science and Engineering
18110073	Jayesh Khanna	Bachelor of Technology in Mechanical Engineering
18110077	Kailash Kumar	Bachelor of Technology in Mechanical Engineering
18110078	Kakadiya Jaydeep Sureshbhai	Bachelor of Technology in Mechanical Engineering with Minor in Robotics
18110087	Anam Kshitija Dinesh	Bachelor of Technology with Honours in Mechanical Engineering
18110088	Kulkarni Shardul Sunil	Bachelor of Technology in Mechanical Engineering
18110097	Maddela Siddarth	Bachelor of Technology in Mechanical Engineering
18110104	Murkute Nikhil Ramrao	Bachelor of Technology in Mechanical Engineering
18110106	Navneet Kaur	Bachelor of Technology in Mechanical Engineering with Minor in Robotics
18110107	Nikhil Yadav	Bachelor of Technology in Mechanical Engineering
18110111	Srujan Pandya	Bachelor of Technology with Honours in Mechanical Engineering and Minor in Physics
18110113	Dev Patel	Bachelor of Technology in Mechanical Engineering
18110114	Patel Neel Kirankumar	Bachelor of Technology in Mechanical Engineering with Minor in Computer Science and Engineering
18110116	Pedamajji Rakeshnaidu	Bachelor of Technology in Mechanical Engineering
18110118	Poojan Modi	Bachelor of Technology in Mechanical Engineering
18110120	Pradeep Saini	Bachelor of Technology in Mechanical Engineering
18110131	Pushan Pravin Patel	Bachelor of Technology in Mechanical Engineering with Minor in Computer Science and Engineering
18110134	Rachit Shrimal	Bachelor of Technology in Mechanical Engineering
18110136	Rahul Gupta	Bachelor of Technology in Mechanical Engineering with Minor in Computer Science and Engineering
18110140	Ritu Verma	Bachelor of Technology in Mechanical Engineering
18110142	Shirodkar Rohan Ninad	Bachelor of Technology in Mechanical Engineering
18110146	Rwik Rana	Bachelor of Technology in Mechanical Engineering with Minors in Robotics and Computer Science and Engineering
18110147	S Ganesh	Bachelor of Technology in Mechanical Engineering
18110155	Viraj Mitul Shah	Bachelor of Technology in Mechanical Engineering with Minor in Computer Science and Engineering
18110157	Shashi	Bachelor of Technology in Mechanical Engineering
18110171	Tanmay Jain	Bachelor of Technology in Mechanical Engineering
18110181	Vaibhav Saini	Bachelor of Technology in Mechanical Engineering
18110183	Vaishnavi Arun Kokadwar	Bachelor of Technology with Honours in Mechanical Engineering
18110184	Vakil Yatharth Nilesh	Bachelor of Technology in Mechanical Engineering
18110186	Vibhute Prathamesh Sanjivkumar	Bachelor of Technology in Mechanical Engineering
18110187	Vijendra Meena	Bachelor of Technology in Mechanical Engineering
18110192	Meshram Yash Arun	Bachelor of Technology in Mechanical Engineering

RECIPIENTS OF THE DEGREE OF DUAL MAJOR BTECH

Roll No	Name	Degree
17110010	Akshat Mangal	Bachelor of Technology in Chemical Engineering and Bachelor of Technology in Computer Science and Engineering
17110055	Gaurav Sonkusle	Bachelor of Technology in Chemical Engineering and Bachelor of Technology in Computer Science and Engineering
17110084	Mohamed Shamir T M	Bachelor of Technology in Mechanical Engineering and Bachelor of Technology in Computer Science and Engineering
17110086	Mohmmad Aslam	Bachelor of Technology in Chemical Engineering and Bachelor of Technology in Computer Science and Engineering

RECIPIENTS OF THE DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING

Roll No	Name	Degree
16110153	Shubham Sankhla	Bachelor of Science in Engineering
17110106	Pavan Kumar Meena	Bachelor of Science in Engineering
17110141	Shah Ujjaval Satishkumar	Bachelor of Science in Engineering

RECIPIENTS OF THE DEGREE OF MASTER OF ARTS

SOCIETY AND CULTURE

Roll No	Name
18520004	Ausula Prashanth
19520001	Aardra Sreekumar
20520001	Akhila K
20520002	Angel Maria Varghese
20520006	Darshna Kumar
20520007	Devanshi Saxena
20520009	Hyma Balakrishnan
20520010	Khushboo Kumari
20520011	Mamta Hinde Markam
20520012	Nidhi M Shastri
20520013	Priya Jain
20520015	Rahul Kumar
20520016	Remya P K
20520018	Satya Rajan
20520020	Amme Shirisha
20520021	Palle Srikanth
20520022	Tanurima Shau
20520025	Abhijeet Singh
20520027	Atmadeep Sengupta
20520031	Naseef Mon. P

RECIPIENTS OF THE DEGREE OF MASTER OF SCIENCE

CHEMISTRY

Roll No	Name
20510022	Abhishek Gupta
20510023	Aman Kumar
20510024	Amit Thakran
20510025	Anjana Tirkey
20510026	Antara Goswami
20510027	Anu Kumari
20510028	Deepika
20510029	Divyansh Chaturvedi
20510030	Goutam Patra
20510032	Keshav Chaudhary
20510034	Km Arti Vishwakarma
20510035	Mansha Soni
20510036	Nikki Mittal
20510037	Rajpreet Kour
20510038	Ritu Vrijender Mathuri
20510040	Sandeep Sharma
20510042	Shweta Chitkara
20510043	Shweta Singh
20510044	Sudama Kumar Mahto
20510045	Tarisha Gupta
20510046	Tarun Bansal
20510047	Vikash Kumar

COGNITIVE SCIENCE

Roll No	Name
19510030	Rithwik Narayanan
20510002	Aarthi M
20510003	Abhinanda Dash
20510004	Alpha Zenith Topno
20510006	Apoorva Sharma
20510007	Athira K
20510009	Divya Kundani
20510010	S M Jeeva
20510011	Khushi Jain
20510012	Madhumita Mahali
20510014	Praneeta Taranekar
20510016	Shraddha Gokul Matkar
20510017	Tapaswi Simran Sandeep
20510018	Tanisha
20510019	Uzma Sarwat
20510020	Wardah

MATHEMATICS

Roll No	Name
20570001	Pawar Hrushikesh Vinod
20570002	Patel Khushbu Sureshbhai
20570003	Sri Vishnu Priya B
20510048	Abhishek Thakur
20510050	Anita
20510051	Asmita Kushwaha
20510052	Ayushi Mittal
20510053	Bhanupratap Singh Rajawat
20510054	Bharti Mangal
20510055	Charu Garg

Roll No	Name
20510056	Dasari Sanjukta
20510057	Deependra Dwivedi
20510058	Dinesh Kumar Sharma
20510059	Gaurav Bhardwaj
20510060	Gaurav Pal
20510061	Jitendra Kumar
20510062	Kashish Taneja
20510063	Vartika Mathur
20510064	Lokesh Sharma
20510065	Maheshwari Dhiren Ramji
20510066	Mukesh Gupta
20510067	Neelam Painuly
20510068	Pabitra Mandal
20510070	Priyanka
20510071	Pujari Tejas Balasaheb Kavita
20510073	Ritika Goel
20510075	Siddharth Prakash
20510076	Sitaram
20510077	Suman Kumar
20510078	Suraj Kumar Ravidas
20510079	Vijay Kumar Regar
20510080	Vijay Sahani
20510081	Vikas Kumar Pandey
20510082	Yash Rathore

PHYSICS

Roll No	Name
20570005	Dhruvi Kiritkumar Patel
20570006	Shah Niyati Bhupendra
20570007	Shukla Sachin Ramsanehi
20510083	Aakash
20510084	Akansha Verma
20510086	Amit Kumar
20510088	Dewanshi
20510089	Harshavardhan V
20510090	Kansara Jay Ashok
20510091	Juhi Singh
20510092	Khushwant Singh
20510093	Laxmi Meena
20510094	Lokesh Singh Tanwar

20510097	Manik
20510098	Meenu S. A.
20510099	Mohit Kumar
20510100	Nikhil Faujdar
20510101	Pankaj
20510102	Pankaj Kumar Kumawat
20510103	Pintu Prajapat

20510104	Prabhat Kumar
20510105	Priya Drashni
20510106	Raj Kumar Garhwal
20510107	Ritika Pahwa
20510108	Rupul Chandna
20510110	Sangeeta
20510111	Selim Sk

20510113	Srinidhi Sharad Pawar
20510116	Urmila Regar
20510117	Utkarsh Singh
20510118	Vinay Kumar Rana
20510119	Vinod Kumar
20510120	Yukti Goel

RECIPIENTS OF THE POST-GRADUATE DIPLOMA OF THE INSTITUTE

Roll No	Name	Degree
19210037	V Shiva Kumar	The Post Graduate Diploma of the Institute in Civil Engineering
19310057	Thakkar Krishna Kishor Geeta	The Post Graduate Diploma of the Institute in Biological Engineering
21250025	Shubham Singh	The Post Graduate Diploma of the Institute in Mechanical Engineering

RECIPIENTS OF THE DEGREE OF MASTER OF TECHNOLOGY

BIOLOGICAL ENGINEERING

Roll No	Name
20250001	Akanksha Mudgal
20250002	Hari S Nair
20250003	Hema Naveena A
20250005	Patel Vishwa Nileshbhai

CHEMICAL ENGINEERING

Roll No	Name
20210002	Pratyasha Bhardwaj
20250007	Ratnika Gupta

CIVIL ENGINEERING

Roll No	Name
19210031	Abhishek Pandole
20210003	Bazela Manzoor
20250008	Aditi Agarwal
20250009	Dipesh Singh Chuphal
20250011	Luhar Hiral Rajendrabhai
20250012	Md Nayim Siddiqui

20250013	Prashant Kumar Singh
20250015	Ushma Garg
20250016	Vimal Panara
20250040	Amay Gupta

COMPUTER SCIENCE AND ENGINEERING

Roll No	Name
20210005	Sudip Das
20250017	Aarchi Agrawal
20250018	Athulkumar R
20250019	K S Ashin Shanly

EARTH SYSTEM SCIENCE

Roll No	Name
20210006	Makwana Gunjankumar Kalabhai
20250022	Solanki Hiren Rajeshbhai

ELECTRICAL ENGINEERING

Roll No	Name
19210082	Mallikarjun Y Pidagannavar
19210090	K. Prateek

20250023	Aditya Biswas
20250024	Amrita Singh
20250025	Animesh Sharma
20250026	Javaid Ahmad Reshi
20250027	Kaustuv Singh
20250041	Sanjit Dutta

MATERIALS ENGINEERING

Roll No	Name
16110183	Shubham Gond
18210022	Charishma Gowripattapu*
20250029	Abhijit Chhotray
20250030	Gente Anjani
20250031	Ankita Mohanty
20250032	Keerthy V
20250033	Remiya Roy

MECHANICAL ENGINEERING

Roll No	Name
19210132	Anshul Gour
19210149	Utkarsh Srivastava
19250023	Shivam Sahu
20210008	Rajnandan Borthakur
20250034	Abishek Sarkar
20250035	Akangsha Deka

RECIPIENTS OF THE BTECH-MTECH DUAL DEGREE

Roll No	Name	Degree
17110158	Sumit Kumar	Bachelor of Technology in Civil Engineering and Master of Technology in Civil Engineering

RECIPIENTS OF THE DEGREE OF DOCTOR OF PHILOSOPHY

Roll No	Name	DISCIPLINE
15310048	Gadhavi Joshna Dharmendrabhai	Biological Engineering
16310024	Hivare Pravin Tatyarao	Biological Engineering
16310034	Tarushyam Mukherjee	Biological Engineering
16310044	Desai Nakshi Nayan	Biological Engineering
13210003	Gunda Harini	Chemical Engineering
13210044	Vighnesh Prasad	Chemical Engineering
14210008	Mankad Jaivik Kartik	Chemical Engineering
16310022	Sai Geetha Marapureddy	Chemical Engineering
14310034	Anju Tyagi	Chemistry
14310052	Divya Vyas	Chemistry
15310036	Srimadhavi R	Chemistry
15310053	Venkata Mani Padmaja Duppalapudi	Chemistry
16310015	Ashish Kar	Chemistry
13350003	Nasar Ahmad Khan	Civil Engineering
15310006	Amar Deep Tiwari	Civil Engineering
15310055	Rahul Kumar	Civil Engineering
16350001	Abhishek Kumar Pandey	Civil Engineering
18310007	Ashwin Singh	Civil Engineering
15310009	Anvita Gopal	Cognitive Science
15310058	Chhaya Rachit Chandravadan	Computer Science and Engineering
16310047	Anukesh Krishnan Kutty Ambika	Earth Sciences
16330004	Deepika Sahoo	Earth Sciences
16330005	Nisha Bharti	Earth Sciences
16330006	Harish	Earth Sciences
14310063	Balaganesh B	Electrical Engineering
13310056	Ankita R Shah	Humanities and Social Sciences
13320001	Sheetal Rameshchandra Pandya	Materials Science and Engineering
14210066	Amit Kumar Singh	Materials Science and Engineering
15310042	Nilabh Dish	Materials Science and Engineering
16310045	Rajat Gupta	Mathematics
15310024	Ranjita Dash	Mechanical Engineering
14510035	Akash Kumar Mishra	Physics
15330017	Arvind Kumar Mishra	Physics
16310005	Utsav	Physics
16310009	Agnivo Sarkar	Physics
16330002	Sandeep kumar Rout	Physics
16330003	Surendra Vikram Singh	Physics
16330007	Sushree Sangeeta Nayak	Physics
16330011	Priyank Parashari	Physics

STUDENTS

PROGRAMME-WISE SUMMARY OF STUDENTS AT IITGN

Programme	Number of students as on Ma 31, 2023
BSc in Engineering	1
BTech	931
BTech - MTech Dual degree	41
MA	52
MSc	233
MTech + PGDIIT	151
PhD	603
Total	**2012**

SHORT COURSES

IITGN has started offering short courses since 2010. These are 1-credit courses with a typical 10 to 12 hours of engagement. The Institute offers 8-9 courses per semester on an average, totalling 218 courses to date. In particular, the Institute has offered 26 short courses in the academic year Apr 2022 - Mar 2023. These include diverse courses ranging from Quantum computing and quantum information science by **Prof Arun Padakandla**, assistant professor, Department of Electrical Engineering and Computer Science, University of Tennessee at Knoxville; to Modeling the security of energy supply: a prospective approach by **Dr Edgard Gnansounou**, honorary professor in energy planning, Ecole Polytechnique Fédérale de Lausanne. More than 300 students across disciplines and levels have benefitted from these courses. Short courses are a testament to the Institute's all-inclusive philosophy.

There are several reasons why course offerings in this format are important. Short courses allow the following:

a. promotes active engagement with professionals and researchers globally and diversifies the in-house portfolio of courses
b. covers a wide range of topics that cannot be accommodated within the curriculum
c. promotion of interdisciplinary thinking among students through open-to-all offerings

The list of short courses that were conducted during Apr 2022 - Mar 2023 are as follows:

- An insight into next-generation data centers by **Mr Harsh Mehta**, director, Technology and Solutions, India & SAARC Arista Networks, Apr 16 - May 15, 2022
- Brush up your grammar: a course for beginners by **Dr Monal K Desai**, teaching associate, Writing Studio, IITGN, June 20, 22, 24, 27 & 29, 2022
- Geospatial data analysis using open-source software QGIS by **Dr Sonam**, a CSIR research associate, Earth Sciences, IITGN and **Dr Ekta Gupta**, early career fellow, Archaeological Sciences Centre, IITGN, Jun 27 - Jul 01, 2022
- Feedforward control for precision tracking and cohesive decentralized networks by **Anuj Tiwari**, PhD scholar, and **Prof Santosh Devasia**, professor, Mechanical Engineering, University of Washington, Seattle, Jul 14-15, 2022
- Scientific writing by **Dr Monal K Desai**, teaching associate, Writing Studio, IITGN, every Tuesday and Wednesday, Jul 26 - Aug 24, 2022
- Performer and the body: the fundamentals of theater practice by **Dr Aparna Mahiyaria**, theatre scholar and practitioner, Aug 6-7, 2022

- Big data analytics using apache hadoop and spark by **Mr Tushar Kakaiya**, senior big data engineer, Epam Systems, Aug 28 and Sep 04, 2022
- Senses and common sense by **Prof Sanjay Jain**, professor emeritus and director of outreach, Avantika University, Ujjain, Sep 10-11, 2022
- Genetic algorithm by **Prof Celso Camilo**, associate professor, Informatics Department, Federal University of Goias, Brazil, Sep 14-23, 2022
- Research methods & skills for engineers by **Dr Raj Chhabra**, distinguished professor, Shiv Nadar University-Institution of Eminence, Oct 13, 15, 18, 20, 25 & 27, 2022
- Quantum computing and quantum information science by **Prof Arun Padakandla**, assistant professor, Department of Electrical Engineering and Computer Science, University of Tennessee at Knoxville, Oct 26, 28, 31 and Nov 2, & 4, 2022
- Measurement and analysis of human locomotion by **Prof Kamiar Aminian,** professor, Institute of Bioengineering and Director, Laboratory of Movement Analysis and Measurement, EPFL, Oct 31 and Nov 1, 2, 7, & 8, 2022
- CS research 101 by **Shashank Srikant**, PhD candidate in Computer Science, CS & AI Lab

- (CSAIL), Department of Electrical Engineering and Computer Science (EECS), MIT, Oct 31 - Nov 5, 2022
- Characterization of thin films by X – rays diffraction by **Prof Krista R Khiangte**, assistant professor, Physics, IITGN, Oct 31 and Nov 1, 2, 3, 4, 7, 9, 10, 11 & 14, 2022
- Visual science communication by **Dr Ipsa Jain**, visual communication faculty, Srishti Manipal Institute, Bangalore, Nov 5-6, 2022
- Powder processing of materials by **Prof Raj Bordia**, George J Bishop, III Endowed Chair professor of Materials Science and Engineering, Clemson University and guest professor, Materials Engineering and KPCSD, IITGN, Jan 16, 17, 19, 21, & 23, 2023
- Conflict resolution and mediation by **Cynthia Campoy Brophy**, artist-in-residence, IITGN, Jan 31 and Feb 2, 7, & 9, 2023
- Applications of lie groups - control, consensus and synchronisation by **Prof Ravi N Banavar**, Institute Chair professor, Systems and Control Engineering, IIT Bombay, Feb 9-12, 2023
- Introduction to magnetism & spintronics by **Prof Jean-Philippe Ansermet**, professor of experimental physics, École Polytechnique Fédérale de Lausanne, and Scholar-in-Residence, IITGN, Feb 13-17, and 20-24, 2023
- Apna Jal '**अपना जल**' – reuse of treated wastewater by **Prof Sudhir K Arora**, professor of practice, Civil Engineering, IITGN, Feb 13-17, and 20-24, 2023

- Seismic risk determination and risk-based assessment of buildings by **Dr Pierino Lestuzzi**, scholar-in-residence, Civil Engineering, IITGN, Feb 16-17 and 20-22, 2023
- Scientific writing by **Dr Monal K Desai** and **Devapreeta Jena**, teaching associates, Writing Studio, IITGN, Feb 16, 17, 23, 24 and Mar 02, 03, 09, 10, 16, & 17, 2023
- Topics and perspectives in parallel computing and parallel programming by **Prof Laxmikant Kale**, guest professor, Computer Science & Engineering, IITGN, Feb 20-24, 2023
- Modern digital processors for industrial and automotive applications by **Prof Mukul Chandorkar**, professor, Department of Electrical Engineering, IIT Bombay, Mar 6-27, 2023
- Modeling the security of energy supply: a prospective approach by **Dr Edgard Gnansounou**, honorary professor in energy planning, Ecole Polytehnique Fédérale de Lausanne, Mar 20-24 and 27-31, 2023
- Technological progress and our educational blind spots by **Prof Raghubir Sharan**, scholar-in-residence, Humanities and Social Sciences, IITGN, Mar 27 & 29 and Apr 3, 5, 10, 12 & 17, 2023
- Writing for engineering by **Prof Jooyoung Kim**, assistant teaching professor, Humanities and Social Sciences, and Co-coordinator, Writing Studio, IITGN, Mar 28, 30, and Apr 2, 4, & 6, 2023

SHORT COURSE ON GEOTECHNICAL INVESTIGATION FOR STRUCTURAL ENGINEERING

IITGN organised a short course titled 'Geotechnical Investigation for Structural Engineering' during Jan 18-21, 2023, with the aim to introduce the participants to fundamentals and contemporary topics on expectations from geotechnical investigations for the design of structures. The course provided an overall understanding of guidelines and requirements for designing all types of structures, such as buildings, bridges, and infrastructural facilities, including transport, power, petrochemical, harbours and airports.

STUDENT AFFAIRS

PLACEMENTS, INTERNSHIPS AND HIGHER STUDIES 2022

CAMPUS PLACEMENTS 2022

The placement cycle for the class of 2022 was the most successful in the history of IIT Gandhinagar, with over 90% of our registered undergraduate students securing job offers from a diverse range of industries, including software, financial services and consulting, manufacturing, research and development, and material design and process development. We experienced a 30% increase in the number of offers received and a 13% increase in the number of students placed, while the number of companies recruiting our students increased by 27%. The highest package offered increased by 32% compared to the previous year, and the average package also saw a 27% increase. We are proud to acknowledge the following organisations that offered campus placements to the outgoing batch in 2022:

Name of the organisations		
Aakash Educational Services Limited	Flipspaces Design Labs	Orchids
Aarti Industries Limited	GAIL	OYO
Accenture	General Electric	Pandit Deendayal Energy University
Addverb Technologies Private Limited	Genstru Consultants	Publicis Sapient
Amazon	Google	Pyramid Consulting Engineers Private Limited
Amul	Graviton Research Capital LLP	Raam Group
Applied Data Finance	GreyOrange Private Limited	ReNew Power
ArcelorMittal Nippon Steel India Limited	HCL Technologies	RERA
Aspect Ratio	HDFC	Riskcovry (UmboIDTech)
Atlas Copco India Limited	HiveMinds Innovative Market Solutions	RKC Infrabuilt Private Limited
Atotech	HLE Glascoat Limited	Samsung Research Institute, Bangalore
Axxela Advisory Services	ICICI Bank	Sedemac Mechatronics Private Limited
Barclays	IIFL Finance	Shriram General Insurance
Bharat Electronics Limited (BEL)	Impact Guru Technology Ventures Private Limited	SIM Advisory
Bizense Technologies	Infurnia Technologies	Singularity Dynamics Private Limited
BYJU's	Jio Platform Limited	Skan.ai
Cactus Communications	JSW Steel Limited	smartSense Consulting Solutions Private Limited
Capgemini	Jubilant Ingrevia	Sri Chaitanya Educational Institutions -India
Carrier Corporation	KMK Consulting Inc.	Strand Life Sciences
Ceremorphic Technologies Private Limited	L&T Infotech	Swiggy (Bundl Technologies Private Limited)
Cogoport Private Limited	Larsen & Toubro Limited	Thermax Limited
D E Shaw India Private Limited	Merilytics	Tiger Analytics
Decimal Point Analytics Private Limited	Mphasis	Toppr
Deloitte	Nation With Namo	Truminds Software Systems
Deodhar Classes	Newzera Tech Labs Private Limited	Undostres
Educational Initiatives	NVIDIA	Virtusa
Enfusion	OM BPM LLP	Wipro
Fiitjee Limited	One97 Communications Limited (Paytm)	ZS Associates Private Limited
Financepeer	OPTUM, UnitedHealth Group	
	Oracle India Private Limited	

SUMMER INTERNSHIPS 2022

Our students had the opportunity to pursue the international internship programme in person this year, unlike the previous year when the COVID-19 pandemic caused unforeseen disruptions. Thirty students interned at seventeen international organisations, both in-person and online. The following details provide an overview of their experience.

We are proud to share that our students received overwhelmingly positive feedback from their internship supervisors, who commended their professionalism, keen enthusiasm, and adaptability. We believe that these experiences will not only help our students in their future careers but also contribute to their personal growth and global research awareness.

FOREIGN INSTITUTIONS/ORGANISATIONS

NAME OF THE STUDENT	DISCIPLINE	HOST INSTITUTION / ORGANISATION
Eshan Randhir Gujarathi	Computer Science and Engineering	California Institute of Technology, USA
Sanjay Venkitesh	Electrical Engineering	California Institute of Technology, USA
Saagar Parikh	Electrical Engineering	California Institute of Technology, USA
Juhi Alpeshkumar Parikh	Materials Engineering	California Institute of Technology, USA
Yuvraj Gupta	Civil Engineering	EPFL, Switzerland
Akhilesh Chauhan	Chemical Engineering	I'mbesideyou Inc
Dhruv Darda	Mechanical Engineering	I'mbesideyou Inc
Pandit Shubham Bhagvandas	Electrical Engineering	Johns Hopkins University, USA
Preet S Shah	Mechanical Engineering	Johns Hopkins University, USA
Tejendra Patel	Mechanical Engineering	Johns Hopkins University, USA
Rishabh Rohil	Mechanical Engineering	Kuken Kogyo, Japan
Insha Mansuri	Mechanical Engineering	Kuken Kogyo, Japan
Shridhar Sominath Pawar	Computer Science and Engineering	Lyne.ai
Dhairya Shah	Computer Science and Engineering	Lyne.ai
Siddhi Pravin Surawar	Materials Engineering	Monash University, Australia
Mandalia Harsh Devendrabhai	Mechanical Engineering	Nanyang Technological University (NTU) Singapore
Tarun Sharma	Electrical Engineering	Simon Fraser University, Burnaby
Vindhani Asma Aasif	Electrical Engineering	StoxDoc
Desai Aadesh Ketan	Electrical Engineering	Texas A&M University, USA
Pahuni Jain	Chemical Engineering	University of Calgary, Alberta
Muhammad Yusuf Hassan	Electrical Engineering	University of Calgary, Alberta
Aniket Rajnish	Mechanical Engineering	University of Central Florida, USA
Desai Rushik Jatin	Materials Engineering	University of Manitoba (Mitacs), Canada
Dudhatra Harsh Pravinkumar	Civil Engineering	University of Miami, USA
Hiral Sharma	Chemical Engineering	University of Miami, USA
Abhigyan Martin Ninama	Computer Science and Engineering	University of Miami, USA
Guntoorkar Chaitanya Shashikant	Materials Engineering	University of Miami, USA
Shirodkar Soham Rajesh	Materials Engineering	University of Miami, USA
Bayad Isha Jairaj	Chemical Engineering	University of Southampton, UK
Progyan Das	Computer Science and Engineering	Zulip

INDIAN ORGANISATIONS

Another set of students (192 in the summer and 16 in the winter) did their internships in various leading industries and institutions within India:

DOMESTIC INTERNSHIPS (SUMMER)

NAME OF THE STUDENT	DISCIPLINE	HOST INSTITUTION / ORGANISATION
Anand Kumar Yadav	Mechanical Engineering	10 CGPA Coaching Institute

NAME OF THE STUDENT	DISCIPLINE	HOST INSTITUTION / ORGANISATION
Bhujbal Aditya Ramdas	Chemical Engineering	Adani Enterprise Limited
Abhishek Vikrant Mungekar	Mechanical Engineering	Adani Enterprise Limited
Piyush Dhirwani	Chemical Engineering	Adani Green Energy Limited
Snehal Dnyaneshwar Gohad	Civil Engineering	Adani Group
Saransh Rakesh Chaudhary	Chemical Engineering	Adani Group
Shreyash Agrawal	Chemical Engineering	Adani Group
Nikharv Vipul Shah	Electrical Engineering	Adani Group
Gaurav Sharma	Mechanical Engineering	Adani Group
Shelke Snehal Rajkumar	Materials Engineering	Adani Group
Anuj Tripathi	Civil Engineering	Adani Realty
Shreyshi Singh	Computer Science & Engineering	Adobe
Pindi Krishna Mohan	Electrical Engineering	Adobe
Shreyansh Chourasiya	Chemical Engineering	AgroCast Analytics Pvt Ltd
Pushpendra Pratap Singh	Electrical Engineering	ARC Lifeskill
Sai Yashverdhan	Chemical Engineering	ATSC-IIT Bombay
Monika Saini	Chemical Engineering	ATSC-IIT Bombay
Paarth Madan	Chemical Engineering	Attentive AI
Choudhary Xhitij Manish	Chemical Engineering	Barclays
Eshika Pathak	Electrical Engineering	Bosch
Madhav Biswam	Chemical Engineering	BPCL and FACT
Medhansh Singh	Computer Science & Engineering	Business Web Solutions
Mula Sai Ruthvik Reddy	Electrical Engineering	Ceremorphic Inc.
Manas Mulpuri	Computer Science & Engineering	DE Shaw
Hrushti Naik	Computer Science & Engineering	DE Shaw
Paarth Sachan	Civil Engineering	Decimal Point Analytics
Shruhrid Banthia	Electrical Engineering	Deloitte USI
Vishal Kumar	Chemical Engineering	DP Pulveriser Industries
Rahul Mina	Mechanical Engineering	DP Pulveriser Industries
Rishabh Gupta	Electrical Engineering	DRDO
Lipika Rajpal	Computer Science & Engineering	ECOM express ltd
Himanshu Singhal	Civil Engineering	Edvizo
Dwip Divyesh Dalal	Mechanical Engineering	Eficens
Kankshi Komre	Electrical Engineering	Emertxe
Vishwas Joshi	Mechanical Engineering	Focus Oil and Energy
Sayan Biswas	Mechanical Engineering	Ford Motor Private Limited
Deep Kant Dave	Mechanical Engineering	Ford Motor Private Limited
Akshata Naykoo Kokane	Mechanical Engineering	Ford Motor Private Limited
Sukruta Prakash Midigeshi	Computer Science & Engineering	GoGlocal
Gunuru Manoj Taraka Ramarao	Computer Science & Engineering	Google
Rohit Shashikant Sevalkar	Chemical Engineering	Gujarat Alkalies and Chemicals Limited
Shrija Rajeshkumar Agrawal	Mechanical Engineering	GyanPro Edu
Sourav Yadav	Mechanical Engineering	IBhubs
Jaiswal Bhuvesh Omprakash	Civil Engineering	IISc Bangalore
Madhav Vikram Kanda	Computer Science & Engineering	IISc Bangalore
Varad V Sardeshpande	Chemical Engineering	IIT Bombay
Dhruv Bhavesh Parekh	Electrical Engineering	IIT Bombay

NAME OF THE STUDENT	DISCIPLINE	HOST INSTITUTION / ORGANISATION
Nimit Agarwal	Electrical Engineering	IIT Bombay
Anavart Rahulbhai Pandya	Mechanical Engineering	IIT Bombay
Patwardhan Saniya Abhay	Mechanical Engineering	IIT Delhi
Patel Kush Kirankumar	Mechanical Engineering	IIT Delhi
Patadia Keval Santoshkumar	Materials Engineering	IIT Delhi
Veena K	Civil Engineering	IIT Gandhinagar
Nidhi Bhushan Upasani	Civil Engineering	IIT Gandhinagar
Limbore Pramod Surykant	Civil Engineering	IIT Gandhinagar
Aman Chaudhary	Civil Engineering	IIT Gandhinagar
Kusum	Civil Engineering	IIT Gandhinagar
Swati Rawat	Civil Engineering	IIT Gandhinagar
Mohit Singh Rajput	Civil Engineering	IIT Gandhinagar
Saksham	Civil Engineering	IIT Gandhinagar
Arushi Arnav	Civil Engineering	IIT Gandhinagar
Hemant Poonia	Civil Engineering	IIT Gandhinagar
Ashwani Sunil Rai	Civil Engineering	IIT Gandhinagar
Bikkumalla Rishitha	Civil Engineering	IIT Gandhinagar
Mandavekar Shriyash Sudhakar	Chemical Engineering	IIT Gandhinagar
Anuj Ujjval Buch	Chemical Engineering	IIT Gandhinagar
Nayak Sahil Prakashkumar	Chemical Engineering	IIT Gandhinagar
Bhalala Ayush Jagdishbhai	Chemical Engineering	IIT Gandhinagar
Harshvardhan Vala	Computer Science & Engineering	IIT Gandhinagar
Patel Dhruv Kiritbhai	Computer Science & Engineering	IIT Gandhinagar
Vishal Ghoniya	Computer Science & Engineering	IIT Gandhinagar
Utkarsh Mittal	Computer Science & Engineering	IIT Gandhinagar
Talari Venkata Sunny	Computer Science & Engineering	IIT Gandhinagar
Basavala Prashant Kumar	Computer Science & Engineering	IIT Gandhinagar
Patel Vrajesh	Electrical Engineering	IIT Gandhinagar
Jinay A Dagli	Electrical Engineering	IIT Gandhinagar
Daniel Giftson E	Electrical Engineering	IIT Gandhinagar
Aryan Gupta	Electrical Engineering	IIT Gandhinagar
Sonu Meena	Electrical Engineering	IIT Gandhinagar
Patel Rajan Girishbhai	Electrical Engineering	IIT Gandhinagar
Sai Shubham	Electrical Engineering	IIT Gandhinagar
Shubham Kumar	Electrical Engineering	IIT Gandhinagar
Ajitesh Joshi	Electrical Engineering	IIT Gandhinagar
Dheeraj Kumar	Electrical Engineering	IIT Gandhinagar
Earandi Saineeth	Electrical Engineering	IIT Gandhinagar
Vedang Jotiram Chavan	Mechanical Engineering	IIT Gandhinagar
Shaandili Vajpai	Mechanical Engineering	IIT Gandhinagar
Chavan Sagar Bhikan	Mechanical Engineering	IIT Gandhinagar
Pintu Kumar Meena	Mechanical Engineering	IIT Gandhinagar
Aryan Jitesh Shah	Mechanical Engineering	IIT Gandhinagar
Kritika Kumawat	Mechanical Engineering	IIT Gandhinagar
Sanskar Anil Nalkande	Mechanical Engineering	IIT Gandhinagar
Vyawahare Saurabh Nilesh	Materials Engineering	IIT Gandhinagar

NAME OF THE STUDENT	DISCIPLINE	HOST INSTITUTION / ORGANISATION
Anandu Muralidharan	Materials Engineering	IIT Gandhinagar
Bahirat Archit Prashant	Materials Engineering	IIT Gandhinagar
Shejina M	Materials Engineering	IIT Gandhinagar
Jitender Kumar	Materials Engineering	IIT Gandhinagar
Siddharth Joshi	Materials Engineering	IIT Gandhinagar
Kadali Hamsini	Civil Engineering	IIT Hyderabad
Shreya Shukla	Materials Engineering	IIT Kanpur
Ruchit Chudasama	Electrical Engineering	I'mbesideyou
Kevin	Chemical Engineering	InfyU Labs
Hetvi Patel	Computer Science & Engineering	InfyU Labs
Viramgami Gaurav	Computer Science & Engineering	Institute of Mathematical Sciences, Chennai
Arya	Chemical Engineering	Invention Factory
Aishwarya Omar	Mechanical Engineering	Invention Factory
Thumar Meet	Mechanical Engineering	Invention Factory
Sameer Khan Mehar	Materials Engineering	Invention Factory
Dhvani Manish Shah	Mechanical Engineering	ITC Limited
Prayagi Ishan Sunil	Mechanical Engineering	ITC Limited
Upashana Pankaj	Civil Engineering	ITS Planners and Engineers
Paras Jain	Computer Science & Engineering	ITS Planners and Engineers
Akshay Chourasiya	Chemical Engineering	JSW
Sakshi Jagtap	Electrical Engineering	JSW
Sresth Tosniwal	Mechanical Engineering	JSW
Dhanashree Sanjay Ingale	Chemical Engineering	Khatabook
Shantanu Sahu	Computer Science & Engineering	Khosla labs
Anjali Milind Gawai	Electrical Engineering	Khosla labs
Prateek Kumar Jha	Mechanical Engineering	Khosla labs
Aditi Agarwal	Chemical Engineering	Kirana Club
Nalamolu Jaya Surya Vamsi	Computer Science & Engineering	Kothari Infotech
Chauhan Mihir Harshadkumar	Computer Science & Engineering	Kothari Info-Tech Limited
Pratham Kanaiyalal Panchal	Mechanical Engineering	Leucine
Amaan Ansari	Mechanical Engineering	Lightstone Technology
Haikoo Ashok Khandor	Computer Science & Engineering	Mastek
Ayush Anand	Computer Science & Engineering	MathWorks
Lavti Shubh Sunil	Computer Science & Engineering	Mathworks
Nipun Mahajan	Computer Science & Engineering	MathWorks
Paras Gupta	Computer Science & Engineering	Mathworks
Anurag Kurle	Electrical Engineering	Mathworks
Umang Agrawal	Materials Engineering	Matter Motor Works
Shantanu	Chemical Engineering	National Chemical Laboratory
Chogle Ishani Ashish	Materials Engineering	National Institute of Industrial Engineering
Aman Samria	Civil Engineering	Necesario innovations
Sneha Shamrao Sawale	Mechanical Engineering	Neosym Industry Limited
Hitarth Gandhi	Computer Science & Engineering	Newzera
Joy Rajeshkumar Makwana	Computer Science & Engineering	Niramai Health Analytic Private Limited
Siddhesh Kanawade	Electrical Engineering	Niramai Health Analytic Private Limited
Durgesh Patil	Materials Engineering	Nivea India Private Limited

NAME OF THE STUDENT	DISCIPLINE	HOST INSTITUTION / ORGANISATION
Shashwat Rajesh Jain	Civil Engineering	Numeros Motors
Purohit Harshil Praval	Computer Science & Engineering	NVIDIA
Koushik Chandra Chenna	Electrical Engineering	Orangewood Labs
Patel Videh Prerakbhai	Mechanical Engineering	Orangewood Labs
Deepak Singh	Electrical Engineering	Pima Controls
Mahika Om Jaguste	Computer Science & Engineering	Polygon Technology
Pallav Jain	Mechanical Engineering	Porter
Bhoomika Mandloi	Computer Science & Engineering	Publicis Sapient
Chetan Kishore	Computer Science & Engineering	Publicis Sapient
Divyanshu Meena	Computer Science & Engineering	Publicis Sapient
Tumati Rohith Kumar Reddy	Computer Science & Engineering	Publicis Sapient
Mude Harshavardhan Naik	Chemical Engineering	Rajiv Gandhi Institute of Petroleum Technology
Sama Sai Shreya Mudiraj	Electrical Engineering	Red Dot Foundation - Safecity
C Faheem Shanavas	Chemical Engineering	Redseer Strategy Consulting
Nikita	Mechanical Engineering	Redseer Strategy Consulting
Bavaria Meetkumar	Chemical Engineering	Reliance Industries Limited
Virender Singh	Civil Engineering	Rupyz Fintech Private Limited
Ramireddy Lakshmi Nageswari	Computer Science & Engineering	Salesforce
Shrreya Singh	Computer Science & Engineering	Salesforce
Rishabh Patidar	Computer Science & Engineering	Sanswebsolutions
Yash Khandelwal	Chemical Engineering	Sears Holdings India
Aryamann Tomar	Electrical Engineering	Semusi Technologies
Vashishtha Gautam Prashant	Electrical Engineering	Skan AI
Adarsh Golait	Mechanical Engineering	SmartoKids
Bhavesh Jain	Computer Science & Engineering	SmartSense
Yawalkar Abhishek Ganpati	Civil Engineering	smartSense Consulting Solutions Private Limited
Prakriti	Electrical Engineering	SpeEdLabs
Kamal Kishore Vaishnav	Mechanical Engineering	SpeEdlabs
Raavi Vinodkumar Patel	Civil Engineering	Sprih
Varun Chandwani	Chemical Engineering	Sprih
Deepak Patel	Chemical Engineering	Sprih
Ninad Parthiv Shah	Electrical Engineering	Spyne.ai
Tanvi Sanandiya	Electrical Engineering	STEMpedia
Varun Barala	Computer Science & Engineering	Strand Life Science
Soni Vishal Jayesh	Computer Science & Engineering	Strand Life Sciences
Mekala Rishitha Ravi	Computer Science & Engineering	Strand Life Sciences
V P Shivasankaran	Computer Science & Engineering	Strand life Sciences
Shah Revant	Chemical Engineering	Strata Property Management
Manvendra Singh Songara	Mechanical Engineering	Suvidha Foundation
Payyavula Jagadeesh	Chemical Engineering	TalentServe
Abhishek Janagal	Materials Engineering	TalentServe
Palakurthy Chetan Kumar	Materials Engineering	TalentServe
Krishnam Hasija	Computer Science & Engineering	Tata Consultancy Services Research and Innovation
Riya Bansal	Mechanical Engineering	Tata Motors

NAME OF THE STUDENT	DISCIPLINE	HOST INSTITUTION / ORGANISATION
Chintalapati Sreevidya	Electrical Engineering	Texas Instruments
Sanchit Mittal	Electrical Engineering	Texas Instruments
Ajay Karwasara	Materials Engineering	The Tech Destiny
Pulkit Jain	Electrical Engineering	Trading Technologies
G B Harsha Vardhan	Computer Science & Engineering	Truminds Software Solutions
Likhita Baswani	Computer Science & Engineering	Truminds Software Solutions
Achal Kanojia	Electrical Engineering	Unbox Robotics
Savudam Sai Sathvik	Mechanical Engineering	Unbox Robotics
Shubham Verma	Mechanical Engineering	Vitara Enterprises

DOMESTIC INTERNSHIPS (WINTER)

NAME OF THE STUDENT	DISCIPLINE	HOST INSTITUTION/ ORGANISATION
Mekala Rishitha Ravi	Computer Science & Engineering	Tradia
Rohith Kumar Reddy	Computer Science & Engineering	Publicis Sapient
Ajitesh Joshi	Electrical Engineering	Necesario Innovations
Aniket Rajnish	Mechanical Engineering	CrazyLabs
Rishabh Rohil	Mechanical Engineering	Mr Grocer
Videh Patel	Mechanical Engineering	Orangewood Labs
Anand Kumar Yadav	Mechanical Engineering	10 CGPA Coaching Institute
Sresth Tosniwal	Mechanical Engineering	Gujarat Flotex Private Limited
Sankarshan Kulkarni	Chemical Engineering	For Furs Pet care service
Yuvraj Gupta	Civil Engineering	CQRA
Progyan Das	Computer Science & Engineering	Necesario Innovations
Sukruta Prakash Midigeshi	Computer Science & Engineering	eLitmus
Aditi Dey	Electrical Engineering	Intersect IQ
Ruchit Chudasama	Electrical Engineering	Necesario Innovations
Daniel Giftson E	Electrical Engineering	Inmovidu Technologies
Dwip Dalal	Mechanical Engineering	Necesario Innovations

CLASS OF 2022 GRADUATES
PURSUING HIGHER STUDIES ABROAD

Out of students graduating in July 2022, 61 students are expected to go for further studies, out of which 40 are expected to go abroad while 21 are expected to join domestic institutes. Compared to previous year, we have seen an overall jump of 3%; while UG students have seen an increase of 5%. More details about the students are as under:

NAME	DISCIPLINE AT IITGN	PROGRAMME	INSTITUTE	COUNTRY
BTECH				
Patel Smit Bhupeshbhai	Materials Engineering	Master of Applied Science	University of British Columbia	Canada
Amey Amol Kulkarni	Computer Science and Engineering	MS	EPFL	Switzerland
Dhruv Menon	Materials Engineering	MRes + PhD	University of Cambridge	United Kingdom
Janvi Vinodkumar Thakkar	Computer Science and Engineering	MSc	Imperial College London	United Kingdom
Ayush Manojkumar Lodha	Civil Engineering	MS	Indiana University Purdue University Indianapolis	USA
Kamlesh Arun Sawadekar	Civil Engineering	MS	Pennsylvania State University	USA
Dhruvi Ramniklal Gondalia	Civil Engineering	MS	University of Illinois Urbana-Champaign	USA
Trivedi Shubhang Krishnakant	Civil Engineering	MS	GeorgiaTech	USA
Shivam Sahni	Computer Science and Engineering	MS	University of California, San Diego	USA
Harsh Mahendrabhai Patel	Computer Science and Engineering	MS	University of California, San Diego	USA
Vivek Modi	Computer Science and Engineering	MS	Rutgers University	USA
Chris Francis	Computer Science and Engineering	MS	University of California, San Diego	USA
Palak Purohit	Electrical Engineering	MS	California Institute of Technology (Caltech)	USA
Shril Paresh Mody	Electrical Engineering	MS	University of California, San Diego	USA
Varun Jain	Electrical Engineering	MS	Carnegie Mellon University	USA
Viraj Kalpesh Shah	Electrical Engineering	MS	University of California, San Diego	USA
Dhruvi Prakash Lodhavia	Electrical Engineering	MS	University of California, San Diego	USA
Praveen Venkatesh	Electrical Engineering	MS	Carnegie Mellon University	USA
Vrutik Shah	Electrical Engineering	MS	University of California, San Diego	USA
Sanket Vadhvana	Electrical Engineering	MS	Purdue University	USA
Vagisha	Electrical Engineering	MS	Purdue University	USA
Dhruv Mahesh Bukinkere	Materials Engineering	MS	University of Pennsylvania	USA
R Mithun	Materials Engineering	MS	University of Washington	USA
Navneet Kaur	Mechanical Engineering	MS	University of Washington	USA
Jaydeep Gulab Ramnani	Mechanical Engineering	MS	Carnegie Mellon University	USA
Aarish Parag Shah	Mechanical Engineering	MS	University of Michigan	USA
S Ganesh	Mechanical Engineering	MS	University of California, San Diego	USA
Rwik Rana	Mechanical Engineering	MS	University of Washington	USA

Jay Shah	Chemical Engineering	PhD	University of Delaware	USA
Hari Manish Dave	Civil Engineering	PhD	University of Illinois Urbana-Champaign	USA
Shastri Hetvi Hiren	Electrical Engineering	PhD	University of Massachusetts, Amherst	USA
Prankush Agarwal	Electrical Engineering	PhD	Georgia Institute of Technology	USA
MSc				
Harshavardhan V	Physics	MSc Integrated	University of Hamburg	Germany
Abhinanda Dash	Cognitive Science	PhD	University of California, Los Angeles (UCLA)	USA
Ritika Goel	Mathematics	PhD	University of Tennessee, Knoxville	USA
MTECH				
Hari S Nair	Biological Engineering	PhD	University of Montreal	Canada
Jayishnu Roy	Biological Engineering	PhD	University at Buffalo	USA
Ratnika Gupta	Chemical Engineering	PhD	Rice University	USA
Ankita Mohanty	Materials Engineering	PhD	Stony Brook University, New York	USA
Utkarsh Srivastava	Mechanical Engineering	PhD	University of California, Merced	USA

CLASS OF 2022 GRADUATES PURSUING HIGHER STUDIES IN INDIA

NAME	DISCIPLINE AT IITGN	PROGRAMME	INSTITUTE	COUNTRY
BTECH				
Bhutada Dhanesh Jagdish	Chemical Engineering	MBA	Indian Institute of Management Calcutta	India
Harshit Kumar	Computer Science and Engineering	MBA	Indian Institute of Management Calcutta	India
Viraj M Shah	Mechanical Engineering	MBA	Indian Institute of Management Calcutta	India
Malve Aishwarya Ajay	Civil Engineering	MTech	Indian Institute of Technology Madras	India
Aman	Civil Engineering	PGP	Indian Institute of Management Lucknow	India
Udit Vyas	Electrical Engineering	PGP	Indian Institute of Management Ahmedabad	India
MSc				
Shah Niyati Bhupendra	Physics	Director's PhD Fellow	Indian Institute of Technology Gandhinagar	India
Shweta Singh	Chemistry	PhD	Indian Institute of Technology Roorkee	India
Tarun Bansal	Chemistry	PhD	Indian Institute of Technology Gandhinagar	India
Pankaj	Physics	PhD	Indian Institute of Technology Roorkee	India
Juhi Singh	Physics	PhD	Indian Institute of Technology Roorkee	India
MTECH				
Hema Naveena A	Biological Engineering	PhD	Indian Institute of Technology Gandhinagar	India
Pratyasha Bhardwaj	Chemical Engineering	PhD	Indian Institute of Technology Delhi	India
Solanki Hiren Rajeshbhai	Earth System Science	PhD	Indian Institute of Technology Gandhinagar	India
Animesh Sharma	Electrical Engineering	PhD	Indian Institute of Technology Gandhinagar	India

Abhijit Chhotray	Materials Science and Engineering	PhD	Indian Institute of Technology Gandhinagar	India
Rajnandan Borthakur	Mechanical Engineering	PhD	Indian Institute of Technology Gandhinagar	India
Abishek Sarkar	Mechanical Engineering	PhD	Indian Institute of Technology Gandhinagar	India
MASC				
Remya P K	Humanities and Social Sciences	GLA-Postgraduate Diploma	Alliance University	India
Darshna Kumar	Humanities and Social Sciences	PhD	Indian Institute of Technology Gandhinagar	India
Tanurima Shau	Humanities and Social Sciences	PhD	Tata Institute of Social Sciences	India

SCHOLARSHIPS

SCHOLARSHIPS & FINANCIAL SUPPORT TO STUDENTS

IITGN believes that financial constraints should not become obstacles in the academic pursuit of any student. The Institute's extremely liberal financial aid and scholarship programs ensure that no student feels disadvantaged due to his/her financial situation. The Institute has thus constituted numerous scholarships and financial assistance mechanisms such as the Donor Scholarships, Excellence Scholarships, TML-FAP (Tata Motors Ltd. Financial Aid Programme), tuition fee waiver etc. In addition to the above, the institute also provides financial support in the form of financial grants, interest-free short/long term loans to deserving students for their needs towards expenditures such as tuition fee, hostel and mess fee, books, computer, pocket expenses, medical emergencies (beyond what is covered by insurance), social and cultural activities, internships and educational tours, etc.

The interest-free loans and grants are provided from the Student Benevolent Fund. The repayment dates for the long-term loans may extend up to a maximum of 36 months from the recipient student's date of graduation. Unlike the short-term and long-term loans, support received as financial grants are not deemed to be repaid by the beneficiary students.

OVERALL SCHOLARSHIPS AND FINANCIAL SUPPORT TO STUDENTS

Type of scholarship and financial assistance	2022-23	
	Number of Beneficiaries	Amount of Scholarship (in Rs)
Free basic messing and pocket allowance of Rs 250/- per month for ten months	102	41,48,363
Donor scholarships	81	83,55,000
Excellence scholarships	27	4,40,000
TML-FAP assistance	34	21,15,982
Tuition fee waiver (UG) including winter term	220	3,94,90,046
Tuition fee waiver (PG)	85	13,55,000
Interest free loan and grants (Financial assistance provided for IITGN from Student benevolent fund)	242	1,76,68,902
Financial grant	5	1,98,700
Financial aid to IITGN students from GSECL CSR fund	57	25,00,000
Total (in Rs)	**853**	**7,62,71,993**

FINANCIAL AID TO STUDENTS

FINANCIAL AID FOR UNDERGRADUATE STUDENTS

As per the norms of the Ministry, students with parental income less than Rs 1 lakh get full tuition fee waiver while students with parental income between Rs 1 lakh and Rs 5 lakh get a waiver of two thirds of the fee. IITGN provides an additional one third tuition fee reimbursement to students with parental income ranging between Rs 1 lakh to Rs 2.5 lakhs. Therefore, they effectively receive full tuition fee exemption for their education at IITGN. This assistance is provided from the Student Benevolent & Welfare Fund or from the Excellence Funds in the Endowment.

A total of 59 BTech students received this additional one third tuition fee waiver during the academic year 2022-23.

FINANCIAL AID FOR MASTERS STUDENTS

Students with parental income up to Rs 2.5 lakhs are provided with a full tuition fee reimbursement for their education at IITGN. This assistance is provided from the Student Benevolent & Welfare Fund or from the Excellence Funds in the Endowment.

A total of 85 masters (MTech, MSc and MA) students received full tuition fee waiver during the academic year 2022-23.

FREE BASIC MESSING AND POCKET ALLOWANCE ASSISTANCE

All students of the SC/ST category avail full tuition fee waiver. In addition, the Institute provides free basic messing and nominal pocket allowance of Rs 250 per month for 10 months to SC/ST students whose annual parental income is up to Rs 4.5 Lakhs. This assistance is provided to BTech and MSc (physics, chemistry and mathematics) SC/ST students.

A total of 72 undergraduate and 30 postgraduate SC/ST category students whose annual parental income were within the limit prescribed for this assistance were granted the facility for free basic messing and a pocket allowance of Rs 250 per month for ten months during the academic year 2022-23.

SCHOLARSHIPS FOR EXCELLENCE

IITGN has instituted several excellence scholarships for outstanding performance in academics, sports & games, art and culture, and social work and leadership. These scholarships are awarded on the basis of outstanding achievements in respective fields. The scholarship carries a monetary benefit of Rs 2000 per month for 10 months. However, if the awardee is also a recipient of any other scholarship of equal or higher value, then he/ she is eligible only for a one-time receipt of Rs 5000. Excellence scholarships for the academic year 2022-23 have been awarded as follows:

SCHOLARSHIP FOR EXCELLENCE IN ACADEMICS

- **Arushi Arnav**, **Pahuni Jain**, **Shrreya Singh**, **Eshika Pathak**, **Dhvani Manish Shah** and **Juhi Alpeshkumar Parikh** are the recipients of Scholarship for Excellence in Academics from BTech 2019 batch.
- **Yuvraj Gupta**, **Anuj Ujjval Buch**, **Progyan Das**, **Patel Vrajesh**, **Vedang Jotiram Chavan** and **Shreya Shukla** are the recipients of Scholarship for Excellence in Academics from BTech 2020 batch.
- **Parag Dulani**, **Rudra Ravindra Vengurlekar**, **Mithil Pechimuthu**, **Kata Lokesh Pavan**, **Dhawal Nitin Kabra** and **Indira Gadhvi** are the recipients of Scholarship for Excellence in Academics from BTech 2021 batch.

SCHOLARSHIP FOR EXCELLENCE IN SPORTS & GAMES

Snehal Dnyaneshwar Gohad, **Ajay Karwasara**, **Preet S Shah**, **Kalash Kankaria**, **Patwardhan Saniya Abhay** and **Adit Atul Rambhia** were awarded the scholarship for excellence in Sports & Games for the academic year 2022-23.

SCHOLARSHIP FOR EXCELLENCE IN ARTS & CULTURE

Sachin Yadav and **Juhi Alpeshkumar Parikh** were awarded the scholarship for excellence in Arts & Culture for the academic year 2022-23.

EXCELLENCE IN SOCIAL WORK & LEADERSHIP

Deep Samir Thakkar and **Nikharv Vipul Shah** were awarded the scholarship for excellence in Social Work & Leadership for the academic year 2022-23.

SCHOLARSHIP RECIPIENTS

SCHOLARSHIPS FOR EXCELLENCE

SCHOLARSHIP	RECIPIENT'S NAME
Scholarship for Excellence in Academics from BTech 2019 batch	Arushi Arnav, Pahuni Jain, Shrreya Singh, Eshika Pathak, Dhvani Manish Shah and Juhi Alpeshkumar Parikh
Scholarship for Excellence in Academics from BTech 2020 batch	Yuvraj Gupta, Anuj Ujjval Buch, Progyan Das, Patel Vrajesh, Vedang Jotiram Chavan and Shreya Shukla
Scholarship for Excellence in Academics from BTech 2021 batch	Parag Dulani, Rudra Ravindra Vengurlekar, Mithil Pechimuthu, Kata Lokesh Pavan, Dhawal Nitin Kabra and Indira Gadhvi
Scholarship for Excellence in Sports & Games	Snehal Dnyaneshwar Gohad, Ajay Karwasara, Preet S Shah, Kalash Kankaria, Patwardhan Saniya Abhay and Adit Atul Rambhia
Scholarship for Excellence in Art & Culture	Sachin Yadav and Juhi Alpeshkumar Parikh
Scholarship for Excellence in Social Work & Leadership	Deep Samir Thakkar and Nikharv Vipul Shah

SCHOLARSHIPS FOR STUDENTS

SCHOLARSHIP	RECIPIENT'S NAME
Amalthea Scholarship	Talla Gnana Sai, Voorogonda Rajesh and Balu Karthik Ram
Shri Shanti Saroop Agarwal Scholarship	Divya Chinchole
Gauri Sugan Agarwal Scholarship	Yash Adhiya
Acharya Ekkirala Bharadwaja Scholarship	Abhale Mahesh Eknath
Erach and Mehroo Mehta Memorial Dakshana Scholarship	Pannala Naga Sheshu Reddy and Nandkishor Kumar Pandit
Chandrakant & Patricia Desai Scholarship	Pavidhar Jain
Chetan Dhande Scholarship	Progyan Das
Prof M H Divekar Scholarship	Pahuni Jain
The Neilom Foundation Scholarship	Yuvraj Gupta
Sri Temasek@Iit Gandhinagar Scholarship	Naval Jaggi
Kandoi-Dairkee-Gaurav Scholarship	Aman Raj
Kankuben Bakshirambhai Gelot Scholarship	Aditi Agarwal
Neha & Vinay Gupta Scholarship	Jaiswal Bhuvesh Omprakash
Ashok Jain Scholarship	Patwardhan Saniya Abhay
N K Jain Scholarship	Ronak Kalra
Seema Jain Scholarship	Upashana Pankaj
Smt Magan Jain Scholarship	Patadia Keval Santoshkumar
Nisha And Vipin Jain Scholarship	Dhakad Bhagat Singh
Prof B L Jha Memorial Scholarship	Ayush Gupta
Mrs Sita Jha Memorial Scholarship	Sakshi Jain
Smt Sumitrabai Manohar Kanade Scholarship	Shantanu
Shri Satyanarayan Kakrania Scholarship	Shah Neel
P K Kelkar Scholarship	Aishwarya Omar
Kutch Scholarship	Aman Chaudhary
Smt Seetha and Shri Kameswara Rao Konteti Excellence Scholarship	Lavanya
S C Mehrotra Scholarship	Lipika Rajpal
Shri Arjun Raj Mehta Scholarship	Vyawahare Saurabh Nilesh
Erach And Mehroo Mehta Merit Scholarship	Hitarth Gandhi, Viramgami Gaurav, Lavti Shubh Sunil, Dhairya Shah, Saatvik Rao, Bhavesh Jain, Venkata Sriman Narayana Malli, Kanishk Singhal, Gaurav Joshi, Naman Dharmani, Aaryan Darad, Adit Kaushik and Sachin Jalan
Bhai Suresh Mohan Mittal Scholarship and Bhai Krishna Chandra Mittal Scholarship	Desai Sandeep Teja and Preetam Chhimpa
Prof K V Venkatesha Murthy Scholarship	Bhujbal Aditya Ramdas
Dr J L Nayyar Scholarship	Pandit Shubham Bhagvandas
Asha & Chandrakant Navarkar Scholarship	Patel Kush Kirankumar
Devika & Prashant Nadkarni Scholarship	Ashutosh Goyal
Professor D V Pai Scholarship	Ashu Verma
Ramanujan Scholarship	Dhyeykumar Thummar
Ajodyabai Gulabchandji Randad Scholarship	Somesh Pratap Singh
Satyaram Scholarship	Aakash Kushwah and Bothkurwar Sai Krishna
Seva Scholarship	Shreya Shukla
Lalita J Shah & Jayantilal B Shah Scholarship	Kareena Beniwal
Bipin And Rekha Shah Scholarship	Jinay A Dagli and Mann Kumar Jain
Daya Shanker & Shakuntala Scholarship	Anuj Ujjval Buch
Vimala Srinivas Scholarship	Shaandili Vajpai

Prof S P Sukhatme Scholarship	Dheeraj Yadav
Niteen P Sant Scholarship	Hemant Poonia
Mahabir Prasad Sultania Scholarship and Durga Devi Sultania Scholarship	Dhruv Darda and Shejina M
Santosh Rani Tandon Scholarship	Snehal Dnyaneshwar Gohad
Professor Nitish Thakor Scholarship	Soni Vishal Jayesh
Vegshakti Mahila Kalyan Sangathan (VMKS) Scholarship	Priya Gupta and Veena K
Lakshmi Vadali Excellence Scholarship	Raiyani Vedanshi Sanjay
Dr T G Visweswaraiah Scholarship	Muhammad Yusuf Hassan
Class of 2013 Scholarship	Akshay Chourasiya
Class of 2014 Scholarship	Desai Rushik Jatin
Class of 2015 Scholarship	Kamal Kishore Vaishnav and Piyush Dhirwani
Class of 2016 Scholarship	R Yeeshu Dhurandhar
Class of 2017 Scholarship	Yash Khandelwal
Financial assistance to differently abled IITGN students	Jeevanjyoti Das and Surabhi Jagadeesh Menon
Lalita & Shyam Bihari Scholarship	Ishwar Sunil Mane
Anjna and Anil Tara Chandra Scholarship	EP Sarfras
Raj Kishore Scholarship	Rohit Dharia

SCHOLARSHIP FOR STUDENTS

AMALTHEA SCHOLARSHIP

The Amalthea Scholarships were instituted in the year 2016 and are open to all B.Tech students. The scholarship amount is up to Rs 1 lakh per student per year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Talla Gnana Sai**, **Voorogonda Rajesh** and **Balu Karthik Ram** are the recipients of this scholarship for the academic year 2022-23.

SHRI SHANTI SAROOP AGARWAL SCHOLARSHIP

Shri Shanti Saroop Agarwal Scholarship was instituted in the year 2020 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Divya Chinchole** is the recipient of this scholarship for the academic year 2022-23.

GAURI SUGAN AGARWAL SCHOLARSHIP

Gauri Sugan Agarwal Scholarship was instituted in the year 2021 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Yash Adhiya** is the recipient of this scholarship for the academic year 2022-23.

ACHARYA EKKIRALA BHARADWAJA SCHOLARSHIP

Acharya Ekkirala Bharadwaja Scholarship was instituted in the year 2021 and is open to all BTech students. The scholarship amount is Rs 1 lakh per student per year and is awarded to one BTech student every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Abhale Mahesh Eknath** is the recipient of this scholarship for the academic year 2022-23.

ERACH AND MEHEROO MEHTA MEMORIAL DAKSHANA SCHOLARSHIP

The Erach and Mehroo Mehta Memorial Dakshana Scholarship was instituted in the year 2022 and is meant to support five students from the cohort participating in the Dakshana Scholars Program organized at IIT Gandhinagar during September 2022. The award of the scholarship will be based on the JEE Advanced rank of the student within his/her category of admission (Open, General-EWS, OBC- NCL, SC, ST), and IITGN will make efforts to have a uniform distribution of awardees across the different admission categories. If enough candidates from within the cohort of Dakshana scholars are not available, the unutilized funds shall be used to support any first-year undergraduate students with clearly-demonstrated financial need. **Pannala Naga Sheshu Reddy** and **Nandkishor Kumar Pandit** are the recipients of this scholarship for the academic year 2022-23.

CHANDRAKANT & PATRICIA DESAI SCHOLARSHIP

Chandrakant and Patricia Desai Scholarship was instituted in the year 2017 and is open to all BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Pavidhar Jain** is the recipient of this scholarship for the academic year 2022-23.

CHETAN DHANDE SCHOLARSHIP

Chetan Dhande Scholarship was instituted in the year 2020 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Progyan Das** is the recipient of this scholarship for the academic year 2022-23.

PROF M H DIVEKAR SCHOLARSHIP

Prof M H Divekar Scholarship was instituted in the year 2014 and is open for the third year BTech students of Chemical Engineering. The scholarship amount is Rs 40,000/- and is awarded every year to the student securing the highest grade in the Chemical Engineering course at the end of the third year. **Pahuni Jain** is the recipient of this scholarship for the academic year 2022-23.

THE NEILOM FOUNDATION SCHOLARSHIP

The Neilom Foundation Scholarship has been instituted in the year 2022 and is open to all BTech students. The scholarship amount is Rs 1 lakh per student per year and is awarded to one BTech student every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Yuvraj Gupta** is the recipient of this scholarship for the academic year 2022-23.

SRI TEMASEK@IIT GANDHINAGAR SCHOLARSHIP

Sri Temasek@IIT Gandhinagar Scholarship was instituted in 2016 by a well-wisher from Singapore who appreciates his opportunity to attend IIT Kanpur for his BTech program in a field which he loves and also to serve as a Professor at IIT Gandhinagar. This Merit-cum-Means Scholarship is awarded to one undergraduate student every year (open for second, third and fourth year students). Students with a minimum CPI of 6.5 and whose family annual income is not more than Rs 8 lakhs are eligible to avail this scholarship. The scholarship amount is Rs 20,000 per academic year. **Naval Jaggi** is the recipient of this scholarship for the academic year 2022-23.

KANDOI-DAIRKEE-GAURAV SCHOLARSHIP

The Kandoi-Dairkee-Gaurav Scholarship was instituted by three alumni of the Pioneer Batch (BTech graduates of 2012) at IIT Gandhinagar: **Abhishek Kandoi**, **Maisum Ali Dairkee** and **Anchit Gaurav**. This Merit-cum-Means Scholarship is awarded to a second or third year BTech student who is actively involved in non-academic activities of the Institute and showing trajectory towards all rounded growth. The gross annual parental income of the student from all sources should not exceed Rs 8 lakh per annum. Students should secure a minimum CPI of 6.0. The scholarship amount is Rs 50,000 per academic year. **Aman Raj** is the recipient of this scholarship for the academic year 2022-23.

KANKUBEN BAKSHIRAMBHAI GELOT SCHOLARSHIP

Kankuben Bakshirambhai Gelot Scholarship was instituted in the year 2020 and is open to all female BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support financial needs, funding internships (international or domestic), special projects and opportunities, etc. **Aditi Agarwal** is the recipient of this scholarship for the academic year 2022-23.

NEHA AND VINAY GUPTA SCHOLARSHIP

Neha and Vinay Gupta Scholarship was instituted in the year 2019 and is open to all BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Jaiswal Bhuvesh Omprakash** is the recipient of this scholarship for the academic year 2022-23.

ASHOK JAIN SCHOLARSHIP

Ashok Jain scholarship was instituted in the year 2019 and is open to all BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. BTech students with a minimum CPI of 6.5 are eligible. **Patwardhan Saniya Abhay** is the recipient of this scholarship for the academic year 2022-23.

N K JAIN SCHOLARSHIP

N K Jain Scholarship was instituted in the year 2019 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Ronak Kalra** is the recipient of this scholarship for the academic year 2022-23.

SEEMA JAIN SCHOLARSHIP

Seema Jain Scholarship was instituted in the year 2019 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Upashana Pankaj** is the recipient of this scholarship for the academic year 2022-23.

SMT MAGAN JAIN SCHOLARSHIP

Smt Magan Jain Scholarship has been instituted in the year 2022 and is open to all BTech students. The scholarship amount is Rs 1 lakh per student per year and is awarded to one BTech student every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Patadia Keval Santoshkumar** is the recipient of this scholarship for the academic year 2022-23.

NISHA AND VIPIN JAIN SCHOLARSHIP

Nisha and Vipin Jain Scholarship has been instituted in the year 2021 and is open to all BTech students. The scholarship amount is Rs 1 lakh per student per year and is awarded to one BTech student every year in order to support internships (international or domestic), special projects and opportunities, financial needs etc. **Dhakad Bhagat Singh** is the recipient of this scholarship for the academic year 2022-23.

PROF B L JHA MEMORIAL SCHOLARSHIP

Prof B L Jha Memorial Scholarship has been instituted in the year 2022 and is open to all BTech students. The scholarship amount is Rs 1 lakh per student per year and is awarded to one BTech student every year in order to support internships (international or domestic), special projects and opportunities, financial needs etc. **Ayush Gupta** is the recipient of this scholarship for the academic year 2022-23.

MRS SITA JHA MEMORIAL SCHOLARSHIP

Mrs Sita Jha Memorial Scholarship was instituted in the year 2018 and is open to all BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. Female students are usually given priority. **Sakshi Jain** is the recipient of this scholarship for the academic year 2022-23.

SMT SUMITRABAI MANOHAR KANADE SCHOLARSHIP

Smt Sumitrabai Manohar Kanade Scholarship was instituted in the year 2021 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Shantanu** is the recipient of this scholarship for the academic year 2022-23.

SHRI SATYANARAYAN KAKRANIA SCHOLARSHIP

Shri Satyanarayan Kakrania Scholarship has been instituted in the year 2021 and is open to all BTech students. The scholarship amount is Rs 1 lakh per student per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Shah Neel** is the recipient of this scholarship for the academic year 2022-23.

P K KELKAR SCHOLARSHIP

P K Kelkar Scholarship was instituted in the year 2016 and is open to all BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Aishwarya Omar** is the recipient of this scholarship for the academic year 2022-23.

KUTCH SCHOLARSHIP

Kutch Scholarship was instituted in the year 2021 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Aman Chaudhary** is the recipient of this scholarship for the academic year 2022-23.

SMT SEETHA AND SHRI KAMESWARA RAO KONTETI EXCELLENCE SCHOLARSHIP

Smt Seetha and Shri Kameswara Rao Konteti Excellence Scholarship has been instituted in the year 2022 by **Mr Kishore Konteti** and **Mr Ravikanth Konteti**. The scholarship amount is Rs 1 Lakh per year and the recipient female student continues to get the scholarship support till completion of her BTech Program at IIT Gandhinagar. **Lavanya** is the recipient of this scholarship for the academic year 2022-23.

S C MEHROTRA SCHOLARSHIP

S C Mehrotra Scholarship was instituted in the year 2010 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Lipika Rajpal** is the recipient of this scholarship for the academic year 2022-23.

SHRI ARJUN RAJ MEHTA SCHOLARSHIP

Shri Arjun Raj Mehta Scholarship was instituted in the year 2019 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Vyawahare Saurabh Nilesh** is the recipient of this scholarship for the academic year 2022-23.

ERACH AND MEHROO MEHTA MERIT SCHOLARSHIP

Erach and Mehroo Mehta Merit Scholarship was instituted in the year 2019 and is open to the BTech students admitted at IITGN in AY 2019-20, AY 2020-21 and AY 2021-22. The scholarship amount is Rs 2 lakh per student annually for a period of four years with the total scholarship amount of Rs 8 Lakhs per student. The scholarship is awarded to the top five students admitted to the BTech program at IITGN and holding a JEE Advanced rank of 1000 or better or having represented India in any recognized international Olympiad. **Hitarth Gandhi, Viramgami Gaurav, Lavti Shubh Sunil, Dhairya Shah, Saatvik Rao, Bhavesh Jain, Venkata Sriman Narayana Malli, Kanishk Singhal, Gaurav Joshi, Naman Dharmani, Aaryan Darad, Adit Kaushik** and **Sachin Jalan** are the recipients of this scholarship for the academic year 2022-23.

BHAI SURESH MOHAN MITTAL SCHOLARSHIP AND BHAI KRISHNA CHANDRA MITTAL SCHOLARSHIP

These scholarships have been instituted in the year 2018 and 2019 and are open to all BTech students at IITGN. The scholarship amount is Rs 1 lakh and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Desai Sandeep Teja** is the recipient of Bhai Suresh Mohan Mittal scholarship for the academic year 2022-23 and **Preetam Chhimpa** is the recipient of Bhai Krishna Chandra Mittal scholarship for the academic year 2022-23.

PROF K V VENKATESHA MURTHY SCHOLARSHIP

Prof K V Venkatesha Murthy Scholarship was instituted in the year 2017 and is open to all BTech students of Electrical Engineering. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Bhujbal Aditya Ramdas** is the recipient of this scholarship for the academic year 2022-23.

DR J L NAYYAR SCHOLARSHIP

Dr JL Nayyar scholarship was instituted in the year 2017 and is open to all BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Pandit Shubham Bhagvandas** is the recipient of this scholarship for the academic year 2022-23.

ASHA & CHANDRAKANT NAVARKAR SCHOLARSHIP

Asha & Chandrakant Navarkar Scholarship has been instituted in the year 2022 and is open to all BTech students. The scholarship amount is Rs 1 lakh per student per year and is awarded to one BTech student every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Patel Kush Kirankumar** is the recipient of this scholarship for the academic year 2022-23.

DEVIKA & PRASHANT NADKARNI SCHOLARSHIP

Devika & Prashant Nadkarni Scholarship has been instituted in the year 2022 and is open to all BTech students. The scholarship amount is Rs 1 lakh per student per year and is awarded to one BTech student every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Ashutosh Goyal** is the recipient of this scholarship for the academic year 2022-23.

PROFESSOR D V PAI SCHOLARSHIP

Professor D V Pai Scholarship was instituted in the year 2018 and is open to all second-year students of the MSc Program in Mathematics at IITGN whose gross annual parental income does not exceed Rs 8 lakhs per annum and has a minimum CPI of 7.0. The scholarship amount is Rs 25,000 per academic year. In addition, a book grant of up to Rs 5000 can be claimed by the recipient student against the actual expenditure incurred. **Ashu Verma** is the recipient of this scholarship for the academic year 2022-23.

RAMANUJAN SCHOLARSHIP

Ramanujan Scholarship was instituted in the year 2021 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Dhyeykumar Thummar** is the recipient of this scholarship for the academic year 2022-23.

AJODYABAI GULABCHANDJI RANDAD SCHOLARSHIP

Ajodyabai Gulabchandji Randad Scholarship was instituted in the year 2019 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Somesh Pratap Singh** is the recipient of this scholarship for the academic year 2022-23.

SATYARAM SCHOLARSHIP

The Satyaram Scholarships were instituted in the year 2016. The scholarship amount is Rs 1 lakh per year per student and a total of 2 students were awarded in the year 2022-23. The recipient student continues to get the scholarship support till the completion of his/her BTech program at IITGN, subject to meeting the eligibility criteria. **Aakash Kushwah** and **Bothkurwar Sai Krishna** are the recipients of this scholarship for the academic year 2022-23.

SEVA SCHOLARSHIP

Seva Scholarship has been instituted in the year 2022 and is open to all BTech students. The scholarship amount is Rs 1 lakh per student per year and is awarded to one BTech student every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Shreya Shukla** is the recipient of this scholarship for the academic year 2022-23.

LALITA J SHAH & JAYANTILAL B SHAH SCHOLARSHIP

Lalita J Shah & Jayantilal B Shah Scholarship was instituted in the year 2016 and is open to all BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Kareena Beniwal** is the recipient of this scholarship for the academic year 2022-23.

BIPIN AND REKHA SHAH SCHOLARSHIP

Bipin and Rekha Shah Scholarships were instituted in the year 2018 and are open to all BTech students of Electrical Engineering. The scholarship amount is Rs 1 lakh and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Jinay A Dagli** and **Mann Kumar Jain** are the recipients of this scholarship for the academic year 2022-23.

DAYA SHANKER & SHAKUNTALA SCHOLARSHIP

Daya Shanker & Shakuntala Scholarship was instituted in the year 2020 and is open to all BTech students.

The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Anuj Ujjval Buch** is the recipient of this scholarship for the academic year 2022-23.

VIMALA SRINIVAS SCHOLARSHIP

Vimala Srinivas Scholarship was instituted in the year 2019 and is open to all BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. BTech students with a minimum CPI of 6.5 are eligible. **Shaandili Vajpai** is the recipient of this scholarship for the academic year 2022-23.

PROF S P SUKHATME SCHOLARSHIP

Prof S P Sukhatme Scholarship has been instituted in the year 2019 and is open to all the BTech Students at IITGN. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Dheeraj Yadav** is the recipient of this scholarship for the academic year 2022-23.

NITEEN P SANT SCHOLARSHIP

The Niteen P Sant Scholarship was instituted by Mr Gaurav N Sant in the year 2014. BTech students of Civil Engineering or Materials Engineering who are in their second year, with a minimum CPI of 6.5 and a maximum parental income of Rs 4.5 lakhs are eligible to apply for this Merit-cum-Means scholarship. The scholarship amount is Rs 20,000 per academic year. **Hemant Poonia** is the recipient of this scholarship for the academic year 2022-23.

MAHABIR PRASAD SULTANIA SCHOLARSHIP AND DURGA DEVI SULTANIA SCHOLARSHIP

These Scholarships were instituted in the year 2016 and are open to all BTech students. The scholarship amount is Rs 1 lakh and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Dhruv Darda** is the recipient of Mahabir Prasad Sultania Scholarship for the academic year 2022-23 and **Shejina M** is the recipient of Durga Devi Sultania Scholarship for the academic year 2022-23.

SANTOSH RANI TANDON SCHOLARSHIP

Santosh Rani Tandon Scholarship was instituted in the year 2018 and is open to all BTech students of Civil Engineering. The scholarship amount is Rs 1 lakh per student per year and is awarded every year in order to support internships (international or domestic),

special projects and opportunities, financial needs, etc. Preference is given to female students interested in Structural Engineering. **Snehal Dnyaneshwar Gohad** is the recipient of this scholarship for the academic year 2022-23.

PROFESSOR NITISH THAKOR SCHOLARSHIP
Professor Nitish Thakor Scholarship was instituted in the year 2019 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Soni Vishal Jayesh** is the recipient of this scholarship for the academic year 2022-23.

VEGSHAKTI MAHILA KALYAN SANGATHAN (VMKS) SCHOLARSHIP
The VMKS scholarship has been instituted in the year 2020 and is open to the first year female students. The scholarship amount is Rs 1 Lakh per student per year (Rs. 75,000 supported by VMKS & Rs. 25,000 by IITGN) and is awarded to two first-year BTech female students of IITGN in order to support their educational expenses. **Priya Gupta** and **Veena K** are the recipients of this scholarship for the academic year 2022-23.

LAKSHMI VADALI EXCELLENCE SCHOLARSHIP
Lakshmi Vadali Excellence Scholarship has been instituted in the year 2021. The scholarship amount is Rs 1 Lakh per year and the recipient female student continues to get the scholarship support till completion of her BTech Program subject to obtaining a minimum CPI of 7.0. **Raiyani Vedanshi Sanjay** is the recipient of this scholarship for the academic year 2022-23.

DR T G VISWESWARAIAH SCHOLARSHIP
Dr T G Visweswaraiah Scholarship was instituted in the year 2021 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Muhammad Yusuf Hassan** is the recipient of this scholarship for the academic year 2022-23.

CLASS OF 2013 SCHOLARSHIP
Class of 2013 Scholarship was instituted in the year 2019 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Akshay Chourasiya** is the recipient of this scholarship for the academic year 2022-23.

CLASS OF 2014 SCHOLARSHIP
Class of 2014 Scholarship was instituted in the year 2020 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Desai Rushik Jatin** is the recipient of this scholarship for the academic year 2022-23.

CLASS OF 2015 SCHOLARSHIP
Class of 2015 Scholarship was instituted in the year 2017 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Kamal Kishore Vaishnav** and **Piyush Dhirwani** are the recipients of this scholarship for the academic year 2022-23.

CLASS OF 2016 SCHOLARSHIP
Class of 2016 Scholarship was instituted in the year 2016 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **R Yeeshu Dhurandhar** is the recipient of this scholarship for the academic year 2022-23.

CLASS OF 2017 SCHOLARSHIP
Class of 2017 Scholarship was instituted in the year 2020 and is open to all the BTech students. The scholarship amount is Rs 1 lakh per year and is awarded every year to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Yash Khandelwal** is the recipient of this scholarship for the academic year 2022-23.

PG SCHOLARSHIPS

FINANCIAL ASSISTANCE TO DIFFERENTLY-ABLED IITGN STUDENTS
Jeevanjyoti Das and **Surabhi Jagadeesh Menon** are the recipients of the financial assistance sponsored by M/s Microsign Products, Bhavnagar for an amount of Rs 50,000 each for the academic year 2022-23.

LALITA & SHYAM BIHARI SCHOLARSHIP
Dr Ankita Arora is a PhD alumna of 2019 class in Materials Science and Engineering. She set up this scholarship in honor of her parents-in-law, Shri Shyam Bihari and Late Smt Lalita Sharma. This scholarship of Rs 1 lakh per year will support students at IITGN. **Ishwar Sunil Mane** is the recipient of this scholarship for the academic year 2022-23.

ANJNA AND ANIL TARA CHANDRA SCHOLARSHIP

Anjna and Anil Tara Chandra Scholarship has been instituted in the year 2020 and is open to all postgraduate students. The scholarship amount is Rs 1 lakh per student per year and is awarded to one PG student every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **EP Sarfras** is the recipient of this scholarship for the academic year 2022-23.

RAJ KISHORE SCHOLARSHIP

Raj Kishore Scholarship has been instituted in the year 2022 and is open to all UG (BTech) and master students. The scholarship amount is Rs 1 lakh per student per year and is awarded to one UG (BTech) or Master student every year in order to support internships (international or domestic), special projects and opportunities, financial needs, etc. **Rohit Dharia** is the recipient of this scholarship for the academic year 2022-23.

FINANCIAL AID FROM GSECL (CSR) TO IITGN STUDENTS

A total of 57 students received financial aid with a total amount of Rs 25 lakhs through the funds received from Gujarat State Electricity Corporation Limited under Corporate Social Responsibility.

RESEARCH AND DEVELOPMENT

PUBLICATIONS

Number of research publications from April 2022- March 2023

DOCUMENT TYPE	NUMBER OF RESEARCH PUBLICATIONS
Book chapters	37
Books	4
Books Edited	3
E-Print archives	116
Journal articles	574
Magazine/newspaper articles/short Story	9
Papers presented at conference	209
Posters presented	27
Reviews	8
Others	13
Total	**1000**

SPONSORED RESEARCH PROJECTS

PROJECTS SANCTIONED DURING 2022-23

- Multi-sensor drone survey of Vadnagar, Gujarat, **(ASI).** principal investigator: **Prof Michel Danino**, Humanities & Social Sciences
- Development of medium strength Al-Mg-Si (AA6082 based) alloy for high end strategic applications (extruded / drawn tubes), **(MOM).** principal investigator: **Prof Amit Arora**, Materials Engineering
- Identification of RNA G-quadruplex structure in long non-coding RNAs (lncRNAs) dysregulated in ovarian cancer, **(GSBTM).** principal investigator: **Prof Bhaskar Datta**, Chemistry
- Field assistants in wildlife research and conservation: case studies from Arunachal Pradesh, **(NTCA).** principal investigator: **Prof Ambika Aiyadurai**, Humanities & Social Sciences
- Photo-cleavage based affinity purification towards the development of protein-based therapeutics, **(GSBTM).** principal investigator: **Prof Karthik Pushpavanam Subramaniam**, Chemical Engineering
- Estrogen receptor targeted metallocorrole-drug conjugates: synthesis, optical studies and biological application in breast cancer, **(SERB)**. principal investigator: **Prof Iti Gupta**, Chemistry
- Swing phase gait training and assistance of stroke patients using a cable driven robot, **(DST)**. principal investigator: **Prof Vineet Vashista**, Mechanical Engineering
- Irreducible symplectic varieties and hyperkahler analogues in positive characteristic via derived categories, **(SERB).** principal investigator: **Prof Tanya Kaushal Srivastava**, Mathematics
- Topographic and climatic controls on surface - groundwater dynamics, ravine land development and its implications on social welfare and development planning, **(WINF)** principal investigator: **Prof Vikrant Jain**, Earth Sciences
- Elucidating polymorphic behaviour of Active Pharmaceutical Ingredients (APIs) during crystallisation: a combined approach of experimental and molecular dynamics simulations studies, **(CEFIPRA).** principal investigator: **Prof Sameer V Dalvi**, Chemical Engineering
- Exploring chemical space of organic semiconductors using multiscale computation, **(SERB).** principal investigator: **Prof Anirban Mondal,** Chemistry
- Development of anodic copper catalysts for biomass oxidation under mild conditions with co-production of hydrogen, **(SERB)**. principal investigator: **Prof Biswajit Mondal**, Chemistry
- Regulation of eukaryotic mobile genetic elements, **(SERB).** principal investigator: **Prof Sharmistha Majumdar**, Biological Engineering
- Explicit stochastic model predictive control for an energy system under operational uncertainties, **(SERB).** principal investigator: **Prof Hari Sai Ganesh**, Chemical Engineering
- Reconstruction of human-animal interaction at the world heritage Harappan site of Dholavira, Gujarat, India: inferences from isotopic composition of archaeological bone and teeth remains, **(SERB).** principal investigator: **Prof Sharada Channarayapatna**, Archaeology
- Northern Indian Ocean holocene eustatic sea-level record (Lakshadweep Archipelago), **(SERB)**. principal investigator: **Prof Pankaj Khanna**, Earth Sciences
- Gender-sharing between local leaders and frontline workers: implications for public services, **(APU).** principal investigator: **Prof Deepak Singhania**, Humanities and Social Sciences
- Catalytic asymmetric β-trifluoromethylation and cascade α,β-difunctionalization of α,β-unsaturated aldehydes, **(SERB).** principal investigator: **Prof Chandrakumar Appayee**, Chemistry
- Understanding the genetic and molecular control of plant reproduction, **(DBT).** principal investigator: **Prof Subramanian Sankaranarayanan**, Biological Engineering
- Development of polyunsaturated fatty acid rich groundnut cultivars using CRISPR-Cas9 gene editing, **(GSBTM).** principal investigator: **Prof Subramanian Sankaranarayanan**, Biological Engineering
- Explicit and microlocal inversion questions for certain integral transforms, **(SERB).** principal investigator: **Prof Rohit Kumar Mishra**, Mathematics
- Ion exchanged nanoporous geopolymer for liquid-solid heterogeneous reactions of industrial relevance, **(SERB).** principal investigator: **Prof Sudhanshu Sharma**, Chemistry

- Development and analysis of low complexity single layer neural networks, **(SERB).** principal investigator: **Prof Nithin V George**, Electrical Engineering
- Electrophoresis of non-uniformly charged particles in complex fluids, **(SERB)**. principal investigator: **Prof Uddipta Ghosh**, Mechanical Engineering
- Translatable, self-healable, drug crystal encapsulated hydrogel platform for long- acting intra-articular therapy for rheumatoid arthritis, **(SERB).** principal investigator: **Prof Mukesh Dhanka**, Biological Engineering
- Synthesis and evaluation of solvatochromic probes for labelling and tracking of mycobacterium tuberculosis, **(SERB).** principal investigator: **Prof Sriram Kanvah Gundimeda**, Chemistry
- Modified non-Boltzmann Monte Carlo simulations to study protein folding/unfolding, **(SERB).** principal investigator: **Prof Mithun Radhakrishna**, Chemical Engineering
- Dual aminocatalytic asymmetric synthesis of cyclohexane derivatives and their applications to the total synthesis of bioactive natural products, **(SERB).** principal investigator: **Prof Chandrakumar Appayee**, Chemistry
- Multifaceted analysis of archaeological ceramics, beads, shell objects and external trade relations from the historic city of Vadnagar, Gujarat, **(GSA).** principal investigator: **Prof V N Prabhakar**, Humanities and Social Sciences
- IKS Cell for Ancient Indian Technologies, **(IKSCAI)**. principal investigator: **Prof V N Prabhakar**, Humanities and Social Sciences
- Understanding the role of polarity and charge patterning on the structure and function of Nuclear Pore Complexes (NPCs), **(SERB).** principal investigator: **Prof Mithun Radhakrishna**, Chemical Engineering
- Smart farming of cotton using aerial imagery and computer vision, **(L&T Technology Services Limited).** principal investigator: **Prof Shanmuganathan Raman**, Electrical Engineering
- Development of Al-Li alloy with core-shell precipitates for coarsening resistant microstructure, **(SERB).** principal investigator: **Prof Abhayraj Singh Gautam**, Materials Engineering
- Evaluation of chemi-vaccine candidate and novel ionic liquid based adjuvancy for improved efficacy against breast cancer, **(GSBTM).** principal investigator: **Prof Sharad Gupta**, Biological Engineering
- Fine-grained air quality exposure modelling and forecasting using machine learning, **(MoES)**. principal investigator: **Prof Nipun Batra**, Computer Science and Engineering
- Proposed research work in positivity and combinatorics, **(DST).** principal investigator: **Prof Projesh Nath Choudhury**, Mathematics
- Curating and constructing benchmarks and development of ML models for low-level NLP tasks in Hindi-English code-mixing, **(SERB).** principal investigator: **Prof Mayank Singh**, Computer Science and Engineering
- Developing a reusable, customizable, and multifunctional metal organic framework based prototype from metal scrap for remediation of contaminated water, **(GSBTM).** principal investigator: **Prof Superb K Misra**, Materials Engineering
- Exploring beneficial microbe-embedded nanoparticles for textile wastewater remediation by improving the performance of MBRs, **(GSBTM).** principal investigator: **Prof Superb K Misra**, Materials Engineering
- Development of unilateral lower-limb exoskeleton for synchronous walking assistance during rehabilitation, **(SERB).** principal investigator: **Prof Vineet Vashista**, Mechanical Engineering
- Effect of language of tactile perception, **(DST).** principal investigator: **Prof Leslee Lazar**, Humanities and Social Sciences
- Landscape and tectonic Evolution of the Great Rann of Kachchh (GRK): short term (Holocene) and long-term (50-100 Ka) impact on human settlement & resources, **(MoES).** principal investigator: **Prof V N Prabhakar**, Humanities and Social Sciences
- Fabrication of Ge1-xSnx based photodetectors by sputtering epitaxy, **(SERB).** principal investigator: **Prof Krista R Khiangte**, Physics
- Dissociable error-sensitive mechanisms in sensorimotor learning, **(DST).** principal investigator: **Prof Pratik Mutha**, Biological Engineering
- GEMWEIM (GEodynamic Model for Western Indian Margins), **(DST).** principal investigator: **Prof Utsav Mannu**, Earth Sciences
- Classification of meditative states based on brain electric signals, **(DST).** principal investigator: **Prof Krishna Prasad Miyapuram**, Cognitive Sciences
- Development of techniques for ground-based source localization using sparse arrays on-board leo satellite, **(ISRO).** principal investigator: **Prof Nithin V George**, Electrical Engineering
- Improving short-to-medium range extreme precipitation forecasts with climate networks and hybrid physics-ML convection parameterization, **(MoES).** principal investigator: **Prof Udit Bhatia**, Civil Engineering
- Effectiveness of augmented educational podcasts, **(ICSSR).** principal investigator: **Prof Sameer Sahasrabhudhe**, Design
- Development of novel adsorbent and prototyping of powerless water filter, **(NMHS).** principal investigator: **Prof Biswajit Saha**, Chemical Engineering
- A real time 2d flood inundation forecasting system for the brahmaputra river basin using hydrologic-hydro dynamic and statistical dynamical approaches, **(MoES).** principal investigator: **Prof Vimal Mishra**, Civil Engineering
- Profiling of phytochemicals in "Ayurvedic Medicinal Formulation" and understanding their aggregation behaviour, **(CARI).** principal investigator: **Prof Sairam Swaroop Mallajosyula**, Chemistry

ONGOING SPONSORED PROJECTS

- Visvesvaraya PhD scheme for electronics and IT, **(DEITY).** principal investigator: **Prof Uttama Lahiri**, Electrical Engineering
- DSIR - common research and technology development hub - chemical processes, **(DSIR)**. principal investigator: **Prof Chinmay Ghoroi**, Chemical Engineering
- Single crystal XRD instrument sanctioned under DST fund for the improvement of S&T infrastructure in universities and higher educational institutions (FIST) program – 2016, **(DST).** principal investigator: **Prof Sivapriya Kirubakaran**, Chemistry
- Tectonic and climatic control on variability of sediment routing in the NW Himalaya since late quaternary, **(DST).** principal investigator: **Prof Vikrant Jain** (Saptrishi Dey), Earth Sciences
- Reactive transport in porous media (Ramanujan), **(SERB).** principal investigator: **Prof Uddipta Ghosh**, Mechanical Engineering
- Development of a predictive geomorphic model as a tool for a sustainable river management, **(MoES).** Principle investigator: **Prof Vikrant Jain**, Earth Sciences
- Ramanujan fellowship - DNA nanodevices to program stem cells, **(SERB)**. principal investigator: **Prof Dhiraj Bhatia**, Biological Engineering
- INSPIRE faculty award, **(DST).** principal investigator: **Prof Akshaa Vatwani**, Mathematics
- An experimental operational hydrologic modelling and forecasting system for river basin hydrology and extremes for India, **(IITM).** principal investigator: **Prof Vimal Mishra**, Civil Engineering
- Technology-assisted pelvic motion characterization and gait rehabilitation for the elderly, **(DST).** principal investigator: **Prof Uttama Lahiri**, Electrical Engineering
- Scaling up a high-throughput gravitational-wave search pipeline using randomised numerical linear algebra, **(DST).** principal investigator: **Prof Anand Sengupta**, Physics
- Brain functional connectivity in health and disease - under India-Trento programme for advanced research, **(DST).** principal investigator: **Prof Krishna Prasad Miyapuram**, Cognitive Science
- Establishing Gujarat State Climate Change Center, **(SERB).** principal investigator: **Prof Vikrant Jain**, Earth Sciences
- Studying polymorphism in drug intermediates and their applications, **(DRDO).** principal investigator: **Prof Sivapriya Kirubakaran**, Chemistry; co-PI: **Prof Vijay Thiruvenkatam**, Biological Engineering
- Hit to lead chemistry for novel treatments of leishmaniasis, **(DNDI),** principal investigator: **Prof Sivapriya Kirubakaran**, Chemistry
- Gandhipedia: a one-stop AI-enabled portal for browsing gandhian literature, life-events and his social network, **(NCSM).** principal investigator: **Prof Mayank Singh** (as Co-PI), Computer Science and Engineering
- Assessing the concentrations and sources of indoor VOCs and particulate matter (PM) in urban India and comparing to levels in China and the US, **(DUKE).** principal investigator: **Prof Chinmay Ghoroi**, Chemical Engineering

- Low-cost and non-electric water filter for point-of-use (POU) water disinfection, **(WINF)**. principal investigator: **Prof Chinmay Ghoroi**, Chemical Engineering
- Water for change: Integrative and fit-for-purpose water sensitive design framework for fast-growing livable cities, **(DST)**. principal investigator: **Prof Pranab Mohapatra**, Civil Engineering
- Design and testing of robust and flexible 3D printed electrodes with novel porous architecture guided by graph theory and molecular simulations for high energy density applications, **(DST)**. principal investigator: **Prof Mithun Radhakrishna**, Chemical Engineering
- Micronization and encapsulation of explosives by expansion of CO2 -expanded solutions, **(DRDO)**. principal investigator: **Prof Sameer Dalvi**, Chemical Engineering
- Developing boron-based nanosheets reinforced polymer matrix for designing lightweight blast-resistant armors, **(DRDO)**. principal investigator: **Prof Kabeer Jasuja**, Chemical Engineering
- Development of low cost-efficient and scalable materials for CO2 capture using naturally available non-toxic stable materials and industrial solid wastes, **(DST)**. principal investigator: **Prof Chinmay Ghoroi**, Chemical Engineering
- Design enablement of self aligned double polysilicon emitter silicon bipolar transistor for RF applications, **(DST)**. principal investigator: **Prof Nihar R Mohapatra**, Electrical Engineering
- Multicomponent seismic excitation: characterization of design spectra and developing combination rule, **(MoES)**. principal investigator: **Prof Dhiman Basu**, Civil Engineering
- Mathematical modelling and simulation of flame propagation in metal-liquid oxidizer energetic materials, **(SERB)**. principal investigator: **Prof Dilip Srinivas Sundaram**, Mechanical Engineering
- Drives for electric vehicle applications, **(SERB)**. principal investigator: **Prof Ragavan Kanagaraj** and (Co-PI) **Prof Naran Pindoriya**, Electrical Engineering
- Graph neural networks and their applications, **(SERB)**. principal investigator: **Prof Shanmuganathan Raman**, Electrical Engineering
- Network for scientific cooperation for food safety and applied nutrition, **(FSSAI)**. principal investigator: **Prof Bhaskar Datta**, Biological Engineering
- Multi-omic analysis to identify biomarkers to demarcate oral cancer and healthy tissue for margin clearance, **(GSBTM)**. principal investigator: **Prof Anirban Dasgupta,** Computer Science and Engineering, and (Co-PI): **Prof Sharmistha Majumdar,** Biological Engineering
- Materials for sustainable and energy efficient buildings, Ecole Normale Supérieure De Cachan, France, **(MHRD)**. principal investigator: **Prof Atul Bhargav**, Mechanical Engineering
- Understanding the impact of air pollution on solar photovoltaics and developing surface engineered panel materials for improved performance of solar plants, Duke University, USA, **(MHRD)**. principal investigator: **Prof Chinmay Ghoroi**, Chemical Engineering
- Development and application of geomorphic tool for sustainable management of a Himalayan river system, India, The University of Auckland, New Zealand, **(MHRD)**.. principal investigator: **Prof Vikrant Jain**, Earth Sciences
- Analytical and computational study of nonlinear acoustic metamaterials, Technion - Israel Institute of Technology, Israel, **(MHRD)**. principal investigator: **Prof Jayaprakash K R**, Mechanical Engineering
- Problems in analytic and combinatorial number theory, Queen's University at Kingston, Canada, **(MHRD)**. principal investigator: **Prof Atul Dixit**, Mathematics
- Indigenous cultural heritage as a facilitator for the sustainable development goals, Flinders University, Australia, **(FU)**. principal investigator: **Prof Alok Kumar Kanungo**, Humanities and Social Sciences
- Study of locomotor adaptation using a single degree-of-freedom bilateral gait trainer, **(MHRD)**. principal investigator: **Prof Vineet Vashista**, Mechanical Engineering
- Assessing gait and balance during walking using body-worn sensors, **(MHRD)**. principal investigator: **Prof Vineet Vashista**, Mechanical Engineering
- NIR porphyrin-microbubbles as multi-colour molecular imaging probes, **(MHRD)**. principal investigator: **Prof Sameer Dalvi**, Chemical Engineering
- Development of a novel vacuum based process for producing porous metal structures, **(MHRD)**. principal investigator: **Prof Abhay Raj Singh Gautam**, Materials Engineering
- VR-based exergaming platform in conjunction with neuroimaging guided non-invasive electrical stimulation, **(MHRD)**. principal investigator: **Prof Uttama Lahiri**, Electrical Engineering
- High-performance numerical simulations and experimental investigation of particle transport and turbulence in rotational flows: Applications to eccentric and conical taylor-couette configurations, **(MHRD)**. principal investigator: **Prof Uddipta Ghosh**, Mechanical Engineering
- High entropy alloy nanoparticles CeO2 catalyst for dry reforming of CO2, **(STARS)**. principal investigator: **Prof Sudhanshu Sharma**, Chemistry
- Physics guided data science approach for predictive understanding of hydrological processes, **(STARS)**. principal investigator: **Prof Udit Bhatia**, Civil Engineering
- Understanding the critical orientation for seismic excitation and developing associated GMPEs for Indian Subcontinent, **(STARS)**. principal investigator: **Prof Dhiman Basu**, Civil Engineering
- Flood risk assessment in tropical rivers in the anthropocene under climate change scenario using hydro geomorphic modelling, **(STARS)**. principal investigator: **Prof Vikrant Jain**, Earth Sciences
- Harnessing low cost, high efficiency stable photovoltaics based on layered hybrid perovskites, **(STARS)**. principal investigator: **Prof Rupak Banerjee**, Physics
- Electrochemical fabrication of sub-nm pores on mica and Si-nitride sheets for desalination applications, **(STARS)**. principal investigator: **Prof Gopinadhan Kalon**, Physics
- Antibacterial polymers to combat drug-resistant bacteria, **(STARS)**. principal investigator: **Prof Abhijit Mishra**, Materials Engineering
- Physics guided data science approach for predictive understanding of hydrological processes, **(MHRD)**. principal investigator: **Prof Udit Bhatia**, Civil Engineering
- Multi-omic analysis to identify biomarkers to demarcate oral cancer and healthy tissue for margin clearance, **(GSBTM)**. principal investigator: **Prof Anirbn Dasgupta**, Computer Science and Engineering
- Randomised algorithms for scalable numerical multilinear algebra, **(GOOGLE)**. principal investigator: **Prof Anirban Dasgupta**, Computer Science and Engineering
- Harnessing low cost, high efficiency stable photovoltaics based on layered hybrid perovskites, **(MHRD)**. principal investigator: **Prof Rupak Banerjee**, Physics
- Emotional face recognition: understanding the underlying neural connectivity in high functioning adolescents with autism, **(DST)**. principal investigator: **Prof Uttama Lahiri**, Electrical Engineering
- Fast, robust, energy-aware in-memory computing architectures, **(SRC)**. principal investigator: **Prof Joycee Mekie**, Electrical Engineering
- Developing new plasmonic antenna-reactor platform for efficient storage of solar energy as clean fuels, **(GUJCOST)**. principal investigator: **Prof Saumyakanti Khatua**, Chemistry
- Gold nano heater mediated targeting of powering in cancer for next generation chemo photo thermal therapy, **(GUJCOST)**. principal investigator: **Prof Sudipta Basu**, Chemistry
- Design, dynamic study and control of a cable driven flexible robotic manipulator**, (GUJCOST)**. principal investigator: **Prof Madhu Vadali,** Mechanical Engineering
- High sensitive detection of atmospheric pollutant gases to monitor the effects of industrial emissions on urban air quality**, (GUJCOST)**. principal investigator: **Prof Arup Lal Chakraborty,** Electrical Engineering
- High Performance fiber Reinforced Concrete (HPFRC): Introducing a capacity based mix design framework**, (GUJCOST)**. principal investigator: **Prof Dhiman Basu,** Civil Engineering
- Impact of air pollution on COVID-related secondary exacerbations, **(GOOGLE)**. principal investigator: **Prof Nipun Batra,** Computer Science and Engineering
- Self-aligned double polysilicon emitter bipolar technology for RF applications**, (DST)**. principal investigator: **Prof Nihar Ranjan Mohapatra,** Electrical Engineering
- The effects of reverse migration on indigenous communities following India's covid-19 induced lockdown**, (SSRC)**. principal investigator: **Prof Nishaant Choksi,** Humanities and

Social Sciences

- Development of high frequency electronics laboratory, **(DST).** principal investigator: **Prof Nihar Ranjan Mohapatra,** Electrical Engineering
- BioTheraBubble" bioactive ultrasound-driven microbubble for theranostics, **(DST).** principal investigator: **Prof Krishna Kanti Dey,** Physics
- Understanding the role of chemical nature of the adsorbent on the co-solute assisted adsorption or desorption of solute in a liquid phase by using thermodynamic models and monte carlo simulations to aid the rational design of "smart" adsorbents", **(SERB).** principal investigator: **Prof Kaustubh Rane,** Chemical Engineering
- Small molecule-mediated targeting of powerhouse in cancer for next-generation chemo-photo-therapy, **(SERB).** principal investigator: **Prof Sudipta Basu,** Chemistry
- High strength hydrogels - synthesis, rheology and applications, **(SERB).** principal investigator: **Prof Prachi Thareja,** Chemical Engineering
- Investigations on heavy-quark dynamics in hot magnetised and viscous QCD medium, **(SERB).** principal investigator: **Prof Vinod Chandra,** Physics
- AMR flows: Antimicrobials and resistance from manufacturing flows to people - joined up experiments, mathematical modelling and risk analysis, **(DBT).** principal investigator: **Prof Pranab Kumar Mohapatra,** Civil Engineering
- Edge non-intrusive load monitoring, **(CISCO).** principal investigator: **Prof Nipun Batra,** Computer Science and Engineering
- Optimising plasmonic catalyst design for driving specific photocatalytic redox reactions, **(SERB).** principal investigator: **Prof Saumyakanti Khatua,** Chemistry
- Higgs physics beyond the standard model at the LHC, **(SERB).** principal investigator: **Prof Baradhwaj Coleppa,** Physics
- Quantifying the violation of TTT identities to infer the dynamics of the molecular systems, **(SERB).** principal investigator: **Prof Kaustubh Rane,** Chemical Engineering
- Theoretical and observational constraints on gravitational physics, **(SERB).** principal investigator: **Prof Sudipta Sarkar,** Physics
- Number-theoretic analysis of certain transformations and an extension of the Ramanujan Master Theorem, **(SERB).** principal investigator: **Prof Atul Dixit,** Mathematics
- Viruses in evolution and disease, **(CISCO).** principal investigator: **Prof Sharmistha Majumdar,** Biological Engineering
- Overdetermined problems for extremal Pucci equations and related symmetry and Liouville type results, **(SERB).** principal investigator: **Prof Jagmohan Tyagi,** Mathematics
- Developing directional combination rule for 6-component seismic excitations, **(SERB).** principal investigator: **Prof Dhiman Basu,** Civil Engineering
- Studies on optical, electrical and microstructural properties of MoS_2, SnS_2 and MoS_2-SnS_2 hybrid nanostructured thin films for solar

cell applications, **(SERB).** principal investigator: **Prof Emila Panda,** Materials Engineering

- Geosynthetic reinforced soil walls and abutments for high-speed railway systems, **(HSRIC).** principal investigator: **Prof Amit Prashant,** Civil Engineering
- Harnessing solar energy to achieve near zero carbon emission for brine treatment, **(DST).** principal investigator: **Prof Jaichander Swaminathan,** Mechanical Engineering
- A novel collaborative human – quadcopter interface for outdoor aerial transportation applications, **(SERB).** principal investigator: **Prof Vineet Vashista,** Mechanical Engineering
- Developing an efficient algorithm for the transition matrix monte carlo simulations of molecular systems in the generalised ensembles, **(DST).** principal investigator: **Prof Kaustubh Rane,** Chemical Engineering
- Synthesis of magnetic catalyst coated microbubbles for removal of trace pollutants, **(DST).** principal investigator: **Prof Sameer Dalvi,** Chemical Engineering
- Utilising molecular dynamics simulations to study graphene nanopores as functional materials for DNA sequencing, **(DST).** principal investigator: **Prof Sairam S Mallajosyula,** Chemistry
- Cable driven hybrid actuation for load carriage control, **(DRDO).** principal investigator: **Prof Vineet Vashista,** Mechanical Engineering
- From single molecules to live cells: in situ, multiplexed, high-throughput imaging with DNA-Nanotechnology, **(GUJCOST).** principal investigator: **Prof Dhiraj Bhatia,** Biological Engineering
- Development of a sliding bearing for earthquake protection of structures, **(DST).** principal investigator: **Prof Manish Kumar,** Civil Engineering
- Development of multi-stage efficient OPC framework for nano-scale lithography simulation, **(DST).** principal investigator: **Prof Nihar Ranjan Mohapatra,** Electrical Engineering
- Predator prey interactions: chemical defense in hemiptera: pentatomidae bug (the gondhi bug) and its glandular secretions, **(DBT).** principal investigator: **Prof Dhiraj Bhatia,** Biological Engineering
- SmartWear for monitoring and treatment of gait disorders in Parkinsonism, **(DST)** principal investigator: **Prof Uttama Lahiri,** Electrical Engineering
- Multi-phasic models of solid-electrolyte interphases in lithium batteries: towards exascale simulations, **(DST).** principal investigator: **Prof Raghavan Ranganathan,** Materials Engineering
- Collective interaction effects in self-organisation, **(DST).** principal investigator: **Prof Prasanna V Balasubramanian,** Physics
- In memory computing for next generation workloads using emerging memory technologies, **(SERB).** principal investigator: **Prof Joycee Mekie,** Electrical Engineering
- Evaluating oral cancer lesions using quantitative ultrasound and elasticity imaging, **(GSBTM).** principal investigator: **Prof Karla Patricia Mercado-Shekhar,**

Biological Engineering

- DNA programmed, microfluidic devices as cost-effective, high-throughput point-of-care diagnostic platforms for covid19 detection, **(GSBTM).** principal investigator: **Prof Dhiraj Bhatia,** Biological Engineering
- Mapping Kapadvanj class: the last surviving traditional tank furnace in India, **(CMOG).** principal investigator: **Prof Alok Kanungo,** Archaeological Sciences
- Mobility and multilingualism in the Indian Ocean: impacts of global ecological change on local society, **(SSRC).** principal investigator: **Prof Nishaant Choksi,** Humanities and Social Sciences
- A genetic morphological classification of the peninsular rivers through clustering of river long profiles: a tool for sustainable river management, **(CSIR).** principal investigator: **Prof Vikrant Jain,** Earth Sciences
- Novel laser-based monitoring of key environmental parameters – addressing well-being, livelihood and a healthier environment in developing regions of India, **(RAE).** principal investigator: **Prof Arup Lal Chakraborty,** Electrical Engineering
- Ultrasound-enabled oncotripsy for breast cancer treatment, **(DBT).** principal investigator: **Prof Himanshu Shekhar,** Electrical Engineering
- Developing novel oxygen carriers for chemical looping combustion using substitutional chemistry of mixed phases, **(DST).** principal investigator: **Prof Sudhanshu Sharma,** Chemistry
- Mangroves stories in Gujarat, **(SSRC).** principal investigator: **Prof Ambika Aiyadurai,** Humanities and Social Sciences
- Integrated real time hydroclimatic framework and forecasting system for Gujarat, **(UNICEF).** principal investigator: **Prof Vimal Mishra,** Civil Engineering
- Topological invariance of compact quantum groups and their homogeneous spaces, **(NBHM).** principal investigator: **Prof Bipul Saurabh,** Mathematics
- Smart wear - monitoring and addressal of Parkinson gait disorders, **(DBT).** principal investigator: **Prof Uttama Lahiri,** Electrical Engineering
- Development of series elastic actuator and control unit, **(ISRO).** principal investigator: **Prof Harish Palanthandalam Madapusi,** Mechanical Engineering
- Integrative and network modelling of mammalian circadian clock complexes, **(DBT).** principal investigator: **Prof Ashutosh Srivastava,** Biological Engineering
- Decrypting quantum gravity using quantum information, **(BRNS).** principal investigator: **Prof Arpan Bhattacharyya,** Physics
- History, science & technology of wildlife hunting and trapping in Arunachal Pradesh, **(INSA).** principal investigator: **Prof Ambika Aiyadurai,** Humanities and Social Sciences
- Functional peptides and DNA based nano-assemblies for therapeutic intervention in Alzheimer's Disease and related neurodegenerative Disorders,

(HEFA). principal investigator: **Prof Sharad Gupta,** Biological Engineering

- Verified models and implementations of web security protocols, **(DST).** principal investigator: **Prof Abhishek Bichhawat,** Computer Science and Engineering

- Study of earth surface processes at three different critical zones with different climatic and geologic settings in Western India**, (MoES).** principal investigator: **Prof Vikrant Jain,** Earth Sciences

- Epigenomic basis of evolution of homeothermy: CGGBP1-CTCF axis in heat stress response, **(SERB).** principal investigator: **Prof Umashankar Singh,** Biological Engineering

- Software tool development for assessing impact of process parameters on performance of thin film coating in precision inertial sensing elements, **(ISRO).** principal investigator: **Prof Raghavan Ranganathan,** Materials Engineering

- Wearable robots for human gait restoration: A cable-driven leg exoskeleton, **(IHFC).** principal investigator: **Prof Vineet Vashista,** Mechanical Engineering

- Investigating the kinetic stability of pinned colloidal supercooled liquids & glasses, **(SERB).** principal investigator: **Prof Chandan Kumar Mishra,** Physics

- Technology development of rf power LDMOS devices**, (ISRO).** principal investigator: **Prof Nihar Ranjan Mohapatra,** Electrical Engineering

- Smartwear: AI-enabled solution to Parkinson gait disorders, **(SERB).** principal investigator: **Prof Uttama Lahiri,** Electrical Engineering

- Searching for signature of black holes in Gravitational waves, **(SERB).** principal investigator: **Mostafizur Rahman (Mentor: Prof Arpan Bhattacharyya),** Physics

- Low temperature high magnetic field cryogenic system**, (DST).** principal investigator: **Prof Gopinadhan Kalon,** Physics

- Investigating air quality and its dynamics in built environments in urban India**, (SERB).** principal investigator: **Prof Sameer Patel,** Chemical Engineering

- Developing duplex shear wave elasticity imaging and ultrafast doppler ultrasound for potential application in kidney implant monitoring, **(SERB).** principal investigator: **Prof Karla Patricia Mercado Shekhar,** Biological Engineering

- Integrative modelling and dynamics of mammalian circadian clock complexes**, (SERB).** principal investigator: **Prof Ashutosh Srivastava,** Biological Engineering

- Characterising QFT by analysing quantum circuit complexity**, (SERB).** principal investigator: **Prof Arpan Bhattacharyya,** Physics

- Hazard-free circuits: algorithms and complexity**, (SERB).** principal investigator: **Prof Balagopal Komarath,** Computer Science and Engineering

- Scalable and private machine learning via coresets**, (SERB).** principal investigator: **Prof Anirban Dasgupta,** Computer Science and Engineering

- Practical approximation algorithms for numerical multilinear algebra**, (SERB).** principal investigator: **Prof Anirban Dasgupta,** Computer Science and Engineering

- Cyber-Attack Analysis Toolkit for Cyber-Physical Distribution System Security [CyberDiSS]**, (CPRI).** principal investigator: **Prof Naran Pindoriya,** Electrical Engineering

- A deep neural network (DNN) based framework for inverse design of high-power RF LDMOS transistors**, (SERB).** principal investigator: **Prof Nihar Ranjan Mohapatra,** Electrical Engineering

- Generalised Herglotz functions, zeta functions arising from modular relations, asymptotics of generalised Lambert series, and mock theta functions**, (SERB).** principal investigator: **Prof Atul Dixit,** Mathematics

- System invertibility and relative degree for MIMO linear dynamical systems**, (SERB).** principal investigator: **Prof Harish Palanthandalam Madapusi,** Mechanical Engineering

- High-end computational facility for AI/ML research**, (FIST).** principal investigator: **Prof Mayank Singh,** Computer Science and Engineering

- Development and validation of DNA functionalized nanoparticles for early screening of cancer in zebrafish model**, (SERB).** principal investigator: **Dr Krupa Kansara (Mentor: Prof Dhiraj Bhatia),** Biological Engineering

- Ultra-high sensitivity tunable laser-based spectroscopic gas detection system for the human spaceflight programme**, (ISRO).** principal investigator: **Prof Arup Lal Chakraborty,** Electrical Engineering

- Advanced microscopy and spectroscopy laboratory**, (DST).** principal investigator: **Prof Prachi Thareja,** Chemical Engineering

- Role of multimodal cueing for improving postural balance and control**, (CSRI).** principal investigator: **Prof Vineet Vashista,** Mechanical Engineering

CONSULTANCY PROJECTS

PROJECTS SANCTIONED DURING 2022-23

- Implications of COVID-19 on Gujarat state from climate change perspective, **(GEDA).** principal investigator: **Prof Vimal Mishra,** Civil Engineering

- Linear electric machine for elevator door, **(Kone Elevators).** principal investigator: **Prof Ragavan K,** Electrical Engineering

- Training of engineers for cu/cd triaxial testing, **(IGS).** principal investigator: **Prof Ajanta Sachan,** Civil Engineering

- Area drainage study, road network design and logistic support for 5 GW wind-solar hybrid project at Rann of Kutch, Gujarat, **(NTPC).** principal investigator: **Prof Amit Prashant,** Civil Engineering

- Optimization and purification of protein(s), **(SMPL).** principal investigator: **Prof Vijay Thiruvenkatam,** Biological Engineering

- Biomass pyrolysis/gasification to generate methane rich gas, **(ATMOS).** principal investigator: **Prof Sudhanshu Sharma,** Chemistry

- Pilot study for strengthening of bridge approaches using geo-cells, **(RVNL).** principal investigator: **Prof Amit Prashant,** Civil Engineering

- Expert services for setting up the question paper and assessment thereof for the selection of officers at gujarat power research and development (GPRD) Cell, **(GUVNL).** principal investigator: **Prof Naran Pindoriya,** Electrical Engineering

- Synthesis of peptides, **(KGP).** principal investigator: **Prof Sharad Gupta,** Biological Engineering

- Ultrasonic and optical milk quality analyzer, **(EIPL).** principal investigator: **Prof Arup Lal Chakraborty,** Electrical Engineering

- Plant Based Meat, **(BLASTO).** principal investigator: **Prof Bhaskar Datta,** Chemistry

- Assessing suitability of a motor for electric two wheeler, **(IMPL).** principal investigator: **Prof Ragavan K,** Electrical Engineering

- Climate change impacts on hydropower in India, **(UNDP).** principal investigator: **Prof Vimal Mishra,** Civil Engineering

- Remedial measure at critical patch on GRBC, **(VIDC).** principal investigator: **Prof Amit Prashant,** Civil Engineering

- Advise during trouble shooting situation during foundation execution for High Speed Rail, **(L&T).** principal investigator: **Prof Shailesh R Gandhi,** Civil Engineering

- Institutionalisation of capacities on climate change studies and actions, **(GDC).** principal investigator: **Prof Vimal Mishra,** Civil Engineering

- Recovery of precious metals from primary slag, **(HIL).** principal investigator: **Prof Superb Kumar Misra,** Materials Engineering

- Geotechnical design methodology for different clusters of Bhadbhut Barrage, **(KALPSR).** principal investigator: **Prof Amit Prashant,** Civil Engineering

- Consultancy advise on request, **(L&T).** principal investigator: **Prof Shailesh R Gandhi,** Civil Engineering

- One day online workshop on numerical modelling of welding and additive manufacturing, **(TSL).** principal investigator: **Prof Amit Arora,** Materials Engineering

- Estimating the current efficiency (faradaic efficiency) of company supplied ZnSO4 solution, **(HZL).** principal investigator: **Prof Sudhanshu Sharma,** Chemistry

- Design of foundation system for above-ground crude oil storage tanks at Mundra, Gujarat, **(IOCL).** principal investigator: **Prof Amit Prashant,** Civil Engineering

- Remedial measure at critical patch on Gosikhurd Right Bank Canal (GRBC), **(VIDC).** principal investigator: **Prof Amit Prashant,** Civil Engineering

- Study on young children and climate (INA-2021-009), **(ICLEI).** principal investigator: **Prof Vimal Mishra,** Civil Engineering

- Vehicle systems, **(INDNAV).** principal investigator: **Prof Harish Palanthandalam Madapusi,** Mechanical Engineering

- Training program for officers of GUVNL, **(GUVNL).** principal investigator: **Prof Naran Pindoriya,** Electrical Engineering

- Cellular assays with MCF7, **(KBS).**

- principal investigator: **Prof Sivapriya Kirubakaran**, Biological Engineering
- Male and female pattern hair loss-observational study, **(MARICO).** principal investigator: **Prof Himanshu Shekhar,** Electrical Engineering
- Evaluating the uniqueness of coconut oil for skin/scalp penetration and subsequent transformation, **(MARICO).** principal investigator: **Prof Himanshu Shekhar**, Electrical Engineering
- Consultancy project with Kashiv Biosciences, **(KBS).** principal investigator: **Prof Dhiraj Devidas Bhatia**, Biological Engineering
- Substance identity study, **(GPC).** principal investigator: **Prof Chandrakumar Appayee**, Chemistry
- Prediction of transverse crack formation during continuous casting using machine learning and artificial intelligence, **(AMNSIL).** principal investigator: **Prof Hari Sai Ganesh**, Chemical Engineering
- Audit of method statement and site inspection, **(L&T).** principal investigator: **Prof Shailesh R Gandhi,** Civil Engineering
- IITGN-KISEM Industry Energy Assessment, **(IITMS).** principal investigator: **Prof Naran Pindoriya**, Electrical Engineering
- High resolution crop mapping and irrigation mapping for Karnataka, **(ACIWRM).** principal investigator: **Prof Vimal Mishra**, Civil Engineering
- Development of climate projections and scenarios database at all India level, **(IIMA).** principal investigator: **Prof Vimal Mishra**, Civil Engineering
- Quality audit of select structural members in the E-W corridor (Vastral Gam to Thaltej Gam) and N-S Corridor (APMC to Motera Stadium) of the Ahmedabad Metro Rail Project, **(GMRC).** principal investigator: **Prof Manish Kumar**, Civil Engineering
- Supervision, inspection and audit of Ahmedabad-Dholera expressway, **(NHAIA).** principal investigator: **Prof Gaurav Srivastava**, Civil Engineering
- GPR investigation for underground mapping at an archeological site in Ahmedabad, **(RLDA).** principal investigator: **Prof Amit Prashant**, Civil Engineering
- Review of surge analysis report for the Kadana-Dahod linking project, **(KCPL).** principal investigator: **Prof Pranab Mohapatra**, Civil Engineering
- Development of multi-functional core-shell particles, **(LCL).** principal investigator: **Prof Sriramkanvah Gundimeda**, Chemistry
- Phased-array ultrasound systems for non-destructive testing applications, **(MSL).** principal investigator: **Prof Himanshu Shekhar**, Electrical Engineering
- In silico studies to understand the effect of polymer binders on the electrical, mechanical and transport properties in Li ion batteries, **(OET).** principal investigator: **Prof Mithun Radhakrishna**, Chemical Engineering
- Training program on Regulatory Framework in Power Sector, **(GETRI).** principal investigator: **Prof Naran Pindoriya**, Electrical Engineering

INTELLECTUAL PROPERTY

Patents granted during 2022-23:
- A filter for water purification and a process for its manufacture: Inventors include: **Prof Chinmay Ghoroi** and **Dr Deepa Dixit** (patent number 397587)
- A process for the preparation of N-substituted phenothiazine derivatives: Inventors include **Prof Sivapriya Kirubakaran**, **Prof Vijay Thiruvenkatam**, **Javeena Hussain**, **Althaf Shaik**, and **Siddhant Bhoir** (patent number 411214)
- Multi-parameter patient monitoring system: Inventors include: **Prof Uttama Lahiri, Dhaval Solanki, Poojan Oza** (patent number 427385)
- Nanobicatalyst for detection of organophosphorus herbicides: Inventors include: **Prof Bhaskar Datta, Sanjay Kumar, Pramila Sharma** (patent number 418926)

Patents filed during 2022-23:
- A universal IoT-based smart energy management device: **Prof Naran Pindoriya, Anand Singh Chauhan, Ravindra Kuhada**, and **Bablesh Kumar Jha**.
- Sensor for ammonia gas detection and a method for manufacturing the sensor: **Prof Rupak Banerjee**, **Tufan Paul**, **Avisek Maity**, and **Aditi Sahoo**.
- Transparent electrode and a process for its preparation: **Prof Emila Panda** and **Shivam Shukla**.
- A wearable single sensor-based gait behaviour characterization device: **Prof Vashista Vineet** and **Singh Yogesh**.
- A device for facilitating collaborative interface between humans and robots: **Prof Vashista Vineet** and **Prajapati Pratik**.
- A hydrogel composition and a process of preparation thereof: **Prof Dhanka Mukesh, Kuddushi Mohammad Muzammil Yusufbhai** and **Vithalani Hitasha**
- A Process for Thermochromic Coating**: Prof Emila Panda and Mayank Dotiyal**

RESEARCH ACTIVITIES: EVENTS AND OUTREACH

Research and collaborative events such as conferences, workshops, symposia and seminars form a vital part of academic activities that help stimulate discussions on a wide range of important topics. Many of these activities invite participation from other organisations and enhance the institute's visibility at various levels. The following activities were organised during 2022-23:

CONFERENCES

CERTIFICATION IN SCIENTIFIC WRITING

A total of 57 PhD students and 2 postdoctoral Fellows were awarded the Certification in Scientific Writing in the recent cycle that concluded on May 06, 2022. This programme is conducted every semester by **Prof Karla Mercado-Shekhar** (Coordinator) and **Dr Maria Joao Amante** (Advisor).

CHEMCATCON 2.0

The discipline of Chemistry organised the second edition of the 'Chemical Catalysis Conference' (ChemCatCon) in offline mode during May 14-15, 2022. The theme of the conference was 'Heterogeneous Catalysis: Mechanistic Investigations on Surface'.

The two-day conference was followed by a one-day experiential workshop and was convened by **Prof Sudhansu Sharma**.

EXPOSURE CAMP FOR STUDENTS

The Humanities and Social Sciences discipline, in collaboration with a local educational organisation based in Chhota Udepur and the Azim Premji University, organised a three-day exposure camp on higher education opportunities for about 26 students of Chhota Udepur, a rural tribal district in Gujarat, from May 20 - 22, 2022. The residential workshop was designed to inform students pursuing higher secondary and undergraduate studies about various higher education opportunities and different career streams across disciplines. The workshop was organised by **Prof Nishaant Choksi**.

CAMP INSPIRE

The Curiosity Lab hosted Camp Inspire 2022 for school students of classes 8 to 12, besides teachers, parents, and scholars of education, from Jun 03-05, 2022. It was the third camp of the curiosity camp series ideated by IITGN that brought together inspiring stories of some incredible individuals who took unique paths and chose to follow their passions despite obstacles. The event, attended by about 4000 participants, was coordinated by **Prof Jaison Manjaly.**

ACTIVITIES BY LDI

The Leadership Development Initiative (LDI) organised 'Simply Speaking' and 'Dynamic Duo' on Oct 14-15 and Dec 3, 2022, respectively. Simply Speaking encouraged PhD scholars to explain their research in an easy-to-understand format. The Dynamic Duo event gave a unique platform to PhD scholars and their faculty mentors to showcase the significance of a healthy PhD mentor-scholar relationship.

MALAVIKA MEMORIAL LECTURE SERIES

In the loving memory of **Prof Malavika Subramanyam**, the discipline of Humanities and Social Sciences at IITGN has initiated the 'Malavika Memorial Lecture Series', which was inaugurated by her parents, **Dr A V Subramanyam** and **Mrs Srilatha Subramanyam** on Nov 15, 2022. **Dr Purnima Menon**, a Senior Research Fellow at the International Food Policy Research Institute, delivered the inaugural keynote talk, and Professor Subramanyam's collaborators, **Dr Mala Ramanathan**, **Dr Rajan Sankar** and **Dr Mukta Gundi**, spoke about their experiences working with her.

FACULTY DEVELOPMENT PROGRAMME

The discipline of Biological Engineering, IITGN, with support from the Gujarat State Biotechnology Mission (GSBTM), conducted a week-long 'Faculty Development Programme (FDP) on Protein Biology and Proteomics' on Nov 9, 2022, aimed at equipping faculty members of colleges and universities of Gujarat with specific skill sets. The event was coordinated by **Prof Sharad Gupta**.

PRE-IIGF EVENT 2022 AT IITGN

IITGN hosted a pre-event of the India Internet Governance Forum (IIGF) 2022 on Dec 2, 2022, on the theme of "Multilingual Internet". The virtual and open-for-all event lined up scholarly talks by eminent subject experts of Computer Science and Engineering, Data Science, and Artificial Intelligence (AI) from industry and academia. The event was coordinated by Prof Mayank Singh.

WINTER SCHOOL ON ICME

A Winter School on Integrated Computational Materials Engineering (ICME) was organised at IITGN during Dec 5-10, 2022. Speakers from IITGN and IIT Kharagpur covered the basics of various computational modelling techniques and their applications to real-life problems. The event was coordinated by **Prof Amit Arora**.

ICVGIP 2022

IITGN hosted the 13th edition of the Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP) during Dec 8-10, 2022. More than 300 delegates, including students, faculty members, and industry experts from India and abroad, participated in the conference, which was organised in association with the Indian Unit for Pattern Recognition and Artificial Intelligence (IUPRAI). The event was coordinated by **Prof Shanmuganathan Raman.**

EUROPEAN MOLECULAR BIOLOGY ORGANIZATION (EMBO) LECTURE SERIES

EMBO MEETING IITGN hosted the India - European Molecular Biology Organization (EMBO) lecture series on 'Non-invasive Brain Stimulation (NIBS): Advances

in Research and Clinical Practice' during Dec 12-17, 2022. The meeting, supported by EMBO and **Mr Kris Gopalakrishnan**, Cofounder of Infosys, brought together some of the top researchers in this field from around the world. The meeting was coordinated by **Prof Pratik Mutha.**

IEEE ANTS 2022

The 16th edition of the IEEE International Conference on Advanced Networks and Telecommunications Systems (IEEE ANTS 2022) was held at IITGN during Dec 18-21, 2022, on the theme 'Scalable Secure and Sustainable Connectivity'. Around 150 researchers from industry and academia participated in the premier conference. The conference was coordinated by Prof Sameer Kulkarni and co-coordinated by **Prof Shanmuganathan Raman.**

WORKSHOPS

- Crawling creatures, **Mr Rohit Harip**, industrial designer, Apr 09, 2022
- Theatre workshop, **Aaditya Trivedi**, a chartered accountant and theatre practitioner, Apr 10, 2022
- Ideating and conceptualising through sketching, **Mr Niravkumar Patel**, industrial designer, Design and Innovation Centre (DIC), IITGN, Jun 17, 2022
- Art of painting workshop, **Anisha Mohanty**, MA student, Humanities and Social Sciences, IITGN, Jun 17, 2022
- Emerging approaches in earthquake occurrence and risks, IITGN and SERB, coordinated by **Prof Utsav Mannu**, July 5 -12, 2022.
- Visualisation of data, **Prof Manasi Kanetkar,** assistant teaching professor, Design, IITGN, Jul 09, 2022
- Cyber crime awareness for outsourced workers of the Institute, **Mr Manish Thakar**, a renowned cyber security trainer, Jul 16, 2022.
- Evaluating information: going beyond deceptive publishing, fake news, and bias in scientific literature, **Ms Aditi Gupta**, Engineering & Science Librarian, University of Victoria Libraries, Aug 08, 2022
- Web of Science & Endnote: taking your research to the next level, **Dr Subhasree Nag**, solution consultant, Scientific Research Division, Clarivate Analytics, Aug 26, 2022
- Design, installation, and inspection of perimeter and through penetration firestops, followed by a live full scale fire experiment, **CSE-IITGN** and **Bureau of Indian Standards**, Aug 27, 2022
- CAS SciFinder-n' for academic research, **Mr Sangram Gokhale**, account manager and an expert trainer from ACS India, Aug 29, 2022
- Visual thinking workshop, Entrepreneurship Initiative IITGN (EII) and Leadership Development Initiative (LDI), Sep 10, 2022
- Public speaking workshops, **Prof Atul Singh**, founder, CEO, and editor-in-chief, Fair Observer; **Prof Christopher Roper Schell**, contributing editor, Fair Observer; **Mr Peter Isackson**, chief strategy officer, Fair Observer; and **Mr Mark Manners**, public speaking expert, Sep 13-15 and 19-21, 2022
- Quantum information in QFT and AdS/

CFT-III, IITGN, in collaboration with IIT Hyderabad and the University of Hyderabad, Sep 16-18, 2022
- Karyashala workshop and hands-on training session on advanced training in biological Atomic Force Microscope (AFM), coordinated by **Prof Dhiraj Bhatia**, Sep 22-28, 2022.
- Resilience of power and allied lifeline infrastructure systems, coordinated by **Prof Manish Kumar** and **Prof Udit Bhatia**, Sep 26, 2022
- International workshop on unsettling archaeology, co-organised by IITGN and Flinders University, Australia, coordinated by **Prof Alok Kumar Kanungo**, Sep 26 - 29, 2022
- AI reflections and applications in emerging economies, co-organised by **Federal University of Goiás, Brazil**; **Microsoft**; **NVIDIA**; **IIT Kanpur**; and **IIT Gandhinagar**, Oct 1-2, 2022
- Ayurvedic phytochemicals: recent research and clinical implications, coordinated by **Prof Ashutosh Srivastava** and **Prof Sairam Mallajosyula**, Oct 8, 2022
- Redundantly actuated robots and their human-centred applications, organised by **Prof Vineet Vashista**, Oct 8-9, 2022
- Writing and publishing a quality research/technical paper, **Dr Dhanukumar Pattanashetti**, senior IEEE Client Services, IEEE India, Nov 4, 2022
- Advanced film-making workshop, **Hari M Mohanan**, a Filmfare Award-winning filmmaker, Nov 4-6, 2022
- Creating and managing your scholarly identity, **Ms Panna Chaudhary**, assistant librarian, and **Dr T S Kumbar**, Advisor (Library & Institute Archives), IITGN Library, Nov 9, 2022
- Managing your references using Zotero - a Reference Management Software, **Mr Tapas Kumar Das**, senior library information assistant, and **Dr T S Kumbar**, advisor (Library & Institute Archives), IITGN Library, Nov 14, 2022
- Karyashala workshop on AI-based approaches in addressing issues related to cognitive health, co-organised by **Prof Uttama Lahiri** and **Prof Nithin George**, Nov 15-21, 2022
- Predatory publishing: How to spot and avoid by **Dr T S Kumbar**, Advisor (Library & Institute Archives); **Ms Panna Chaudhary**, assistant librarian; and **Mr Tapas Kumar Das**, senior library

information assistant, IITGN Library, Nov 18, 2022
- Professional english writing, **Dr Monal Desai**, teaching associate, Writing Studio, IITGN, Nov 24 & Dec 1, 2022
- Two-dimensional materials-based devices and their applications, co-organised by **Profs Tarun Kumar Agrawal**, **Nihar Ranjan Mohapatra**, and **Jhuma Saha**, Dec 3-4, 2022
- Printed electronics, **Mr Kiran Soni**, founder, Evnzee, Dec 12, 2022
- Preparing for an interview and creating a resume, **Dr Monal Desai**, teaching associate, Writing Studio, IITGN, Dec 16, 2022
- Math made visual, **Team CCL**, IITGN, Dec 18, 2022
- ACM India CS Education, in partnership with **ACM India** and **NPTEL**, coordinated **Prof Neeldhara Misra**, Dec 23, 2022
- Cyber critical technologies and ethics: in the perspective of financial services and manufacturing in India, jointly organised by **IIT Gandhinagar**; **IIT Kanpur**; **La Trobe University, Australia**; **Government of India**; and **Department of Foreign Affairs and Trade, Australian Government**, Dec 27, 2022
- Microbubbles for Drug Delivery and Ultrasonic Imaging by **Profs Sameer V Dalvi,** Smt Meera and Prof Girish K Sharma Chair Professor, Chemical Engineering**, Himanshu Shekhar,** assistant professor, Electrical Engineering, **Karla Mercado-Shekhar,** assistant professor, Biological Engineering, IITGN, and **Prof Mark Borden** from the University of Colorado at Boulder, USA, Jan 12-13, 2023
- 'CAS SciFinder-n' for Scientific Research by **Mr Milind Wagh,** principal account manager- Scientific Solutions, ACS India, Feb 17, 2023
- Online workshop on AI/ML by **ISTF team** in collaboration with **Amazon Web Services**, Feb 18, 2023
- Managing your references using Zotero: A Reference Management Software by **Tapas Kumar Das**, senior library & information assistant, IITGN Library, Mar 16, 2023
- Creating and managing your scholarly identity by **Ms Panna Chaudhary,** assistant librarian**, IITGN Library, Mar 28, 2023

DST-STUTI WORKSHOPS

IITGN successfully conducted two seven-day technical workshops-cum hands-on training programmes on the DST-funded equipment under the 'STUTI' scheme. The first training session was held on 'Single Crystal X-Ray Crystallography' from Apr 18-24, 2022, under the supervision of **Prof Vijay Thiruvenkatam**, associate research professor, Biological Engineering; and the second workshop on 'Analytical SEM' was held during Apr 25-May 01, 2022, under the supervision of **Prof Pradipta Ghosh**, assistant professor, Materials Engineering. Each workshop had more than 30 participants from about 15 different institutes across the country. The STUTI project at IITGN is being coordinated by **Prof Emila Panda**.

GIS APPLICATIONS IN SOCIAL SCIENCES

The Humanities and Social Sciences discipline and the Archaeological Sciences Centre jointly organised a two-day virtual workshop on 'GIS Applications in Social Sciences' during May 13-14, 2022. The workshop received nearly 90 applications from around the globe, out of which 20 applicants were selected to participate. Apart from lectures and hands-on training, the workshop included two keynote sessions and flash presentations by participants. PhD scholars **Camellia Biswas** and **Ekta Gupta**, and **Profs Sharada C V** and **V N Prabhakar** organised the workshop.

KARYASHALA WORKSHOP

The Biological Engineering discipline, as part of the SERB-sponsored "Accelerate Vigygan" programme, organised a Karyashala workshop & hands-on training on 'Application of MALDI-TOF Mass Spectrometry in Proteomics and Macromolecular Analysis' during June 14-21, 2022.

TRAINING PROGRAMME WITH GUVNL

IITGN, in collaboration with Gujarat Urja Vikas Nigam Limited (GUVNL) and Gujarat Energy Training & Research Institute (GETRI), conducted a two-week advanced training programme on "System Operation and Commercial Aspects of Power Purchase, Open Access, & Energy Accounting" for senior officers/ engineers of the state electricity companies from June 27-July 08, 2022. The valedictory session of this residential workshop was held in the presence of **Shri Jai Prakash Shivahare** (IAS), Managing Director, GUVNL. The workshop was coordinated by **Profs Anand Kumar** and **Naran Pindoriya**.

REGIONAL CHILDREN SCIENCE CONGRESS

IITGN hosted a five-day Regional Children Science Congress of 73 Jawahar Navodaya Vidyalayas of the Pune Regional Office of the Navodaya Vidyalaya Samiti from Nov 16 to 20, 2022. A total of 146 high school students, 40 teachers, and support staff from 73 districts of Maharashtra, Gujarat, Goa, and Diu, Daman and Dadra Nagar Haveli, attended the event. The programme exposed students to a plethora of activities, and was coordinated by **Prof Sriram Kanvah.**

WORKSHOP ON ENERGY EFFICIENCY AND CONSERVATION IN MSMES

The industry workshop-cum-seminar on "Energy Efficiency and Conservation in MSMEs" was held at IITGN on Jan 12, 2023. The programme aimed at sensitising the local micro, small and medium enterprises (MSME) industries about how IIT Gandhinagar, the Industrial Energy Assessment Cell (IEAC) at IIT Madras, and Kotak Mahindra Bank can together play a significant role in supporting their efforts to reduce energy consumption by carrying out detailed energy assessments. The workshop was coordinated by **Prof Naran Pindoriya**.

CERTIFICATE DISTRIBUTION IN SCIENTIFIC WRITING PROGRAMME

The Certification in Scientific Writing programme at IITGN benchmarks the scientific writing competencies of participants, along with promoting skill development. On Jan 17, 2023, 35 PhD scholars of IITGN were awarded the Certification in Scientific Writing. **Prof Rajat Moona**, Director, and **Prof Nithin George**, dean, Academic Affairs, were present in the brief ceremony and congratulated the awardees on the successful completion of the course. The programme is conducted every semester by the Certification in Scientific Writing team, including **Prof Karla Mercado-Shekhar**, coordinator; **Dr Maria João Amante**, advisor; and **Prof Nihar Mohapatra**, coordinator.

WORKSHOP ON UNDERSTANDING THE LINKAGE: FROM SEISMIC HAZARD TO GROUND MOTION CHARACTERIZATION FOR SEISMIC DESIGN

Structural Seismic Engineering Group of IITGN organised a workshop on "Understanding the Linkage: From Seismic Hazard to Ground Motion

Characterization for Seismic Design" during Jan 20-21, 2023. The workshop was designed to keep the participants abreast with the background and state-of-the-art method of probabilistic seismic hazard assessment and its possible influence on the design spectrum. A total of 64 structural engineers, professionals, faculty members, and MTech and PhD students working in the area attended the workshop coordinated by **Prof Dhiman Basu**. The workshop was partially sponsored by the Council of Scientific and Industrial Research.

24TH INDO-US FLOW CYTOMETRY WORKSHOPS-2023

IITGN, in collaboration with Gujarat Biotechnology Research Centre (GBRC), NIPER Ahmedabad, and Kamdhenu University Gandhinagar, hosted the '24th INDO-US Flow Cytometry Workshops-2023', organised by the Trust for Education and Training in Cytometry (TETC). The inaugural ceremony of the four-day workshop was held on Feb 1, 2023, in the presence of **Prof Chaitanya Joshi**, director, GBRC; **Prof Rajat Moona**, director, IIT Gandhinagar; **Prof Shailendra Saraf**, director, NIPER Ahmedabad; **Prof Paul Wallace**, professor emeritus, Roswell Park Comprehensive Cancer Center (RPCCC), USA; **Prof William Telford**, head, ETIB Flow Cytometry Facility, Center for Cancer Research, National Cancer Institute (NCI), National Institutes of Health (NIH), USA; **Dr Zosia Maciorowski**, co-chair of the Live Education Task Force of the International Society for Advancement of Cytometry (ISAC); **Dr Rekha Gour**, co-founder trustee, TETC India; and **Dr Hemant Agrawal**, managing officer, TETC India. Several scholars from India and abroad were present at IITGN to share their expertise with the participants and help them understand the basics and advanced concepts in flow cytometry, which they can apply to their biological and clinical research. The workshop was conducted with support from the Gujarat State Biotechnology Mission (GSBTM), the Department of Science and Technology, Government of India; Science and Engineering Research Board (SERB); and the ISAC.

CAMP ART AND LEARNING

IITGN's Curiosity Lab, in collaboration with IIT Gandhinagar's Social Action and Policy Lab and UNICEF, hosted 'Camp Art & Learning', an online camp for school students of classes 6 to 12, besides teachers, parents, and scholars of education, from Feb 3-5, 2023. The event, which was addressed by some highly-regarded professionals from India and abroad, aimed to emphasise the importance of integrating art within the curriculum for the overall development of students, encourage art exploration, nurture curiosity, and build intersections with science education. The event was coordinated by **Prof Jaison Manjaly**.

WORKSHOP ON ANALYSIS AND DESIGN OF SEISMICALLY ISOLATED STRUCTURES

Seismic isolation technology has been used to reduce earthquake risk for structures, and enhance the functionality of critical and non-critical facilities. To familiarise engineers, students, and academicians with the codal provisions, aspects related to modelling, and analysis and design of seismically isolated regular and nuclear structures, IITGN, with support from Harsha Engineers International Limited (HEIL) and Computers and Structures, Inc. (CSI), organised a workshop on 'Analysis and Design of Seismically Isolated Structures' during Feb 27-28, 2023. The workshop brought together scholars in the field, a potential manufacturer of seismic isolation devices and potential users of the technology. The event also included a hands-on session on the analysis and design of seismically isolated structures, with the SAP2000 licences and technical support received from CSI. HEIL has been working with IITGN to develop seismic isolation devices as part of the Department of Science and Technology, Government of India project. The workshop was coordinated by **Prof Manish Kumar**.

WORKSHOP ON EFFECTIVE SCIENTIFIC RESEARCH COMMUNICATION

Scientific Research Communication is one of the essential skills that can benefit students and early career researchers throughout their academic and professional lives. To enable researchers to understand strategies and best practices for writing manuscripts, making presentations, and writing grant proposals, IITGN, with support from Science and Engineering Research Board (SERB), organised a day-long workshop titled 'Effective Scientific Research Communication' on Mar 14, 2023. Nearly 100 postgraduate

and PhD students, senior research staff, and early career researchers in engineering and science from institutions in Gandhinagar and Ahmedabad participated in the workshop. The workshop was facilitated by **Prof Himanshu Shekhar**, assistant professor, Electrical Engineering, and **Prof Karla Mercado-Shekhar**, assistant professor, Biological Engineering.

WORKSHOP ON SINGLE CRYSTAL X-RAY CRYSTALLOGRAPHY

To celebrate International Women's Day 2023, IITGN commenced a week-long training session on the DST-FIST-supported "Single Crystal X-Ray Crystallography" during Feb 15-21, 2023. About 33 women faculty members, postdoctoral researchers, and doctoral students from across the country are attending the workshop. In addition to theoretical knowledge, the workshop aims to provide practical hands-on experience through laboratory sessions where the characterisation of samples and operation of instruments will be demonstrated to create awareness among the participants. During the inauguration ceremony, **Prof Sivapriya Kirubakaran**, Kankuben Bakshirambhai Gelot Chair associate professor, Chemistry, IITGN, gave an insightful lecture on "Studying Polymorphism in Drug-like Molecules". The event is funded by the Department of Science and Technology (DST), under Synergistic Training Program Utilising the Scientific and Technological Infrastructure (STUTI) programme, in which IITGN is identified as a Project Management Unit (PMU). The workshop is coordinated by **Prof Vijay Thiruvenkatam**.

IGRIP CONCLAVE 2023

IITGN organised a two-day 'Initiative for Geotechnical Research and Innovative Practices' (iGrip) Conclave with a focus on the Bureau of Indian Standards (BIS) Code of Practice on Geosynthetic Reinforced Soil Structure during Mar 3-4, 2023. The conclave provided a forum for exchanging new ideas and experiences and discussing future developments in geotechnical engineering catering to the needs of academia as well as the industry. Attended by a total of 50 industry professionals, faculty members, and students involved in geotechnical engineering and related areas, the event covered a wide spectrum of topics around the theme with attention to current research in geotechnical engineering. The conclave was coordinated by **Prof Ajanta Sachan.**

HEAVY HADRONS IN HEAVY-ION TO PARTICLE COLLISIONS

IITGN organised a workshop titled "Heavy hadrons in heavy-ion to particle collisions" during Mar 24-25, 2023. The aim of this two-day workshop was to discuss the current developments in the area of flavour physics and related insights to understand the deeper mysteries of nature in sub-nuclear energy/length scales. The event had speakers from various prestigious institutes from India, including TIFR Mumbai, IIT Guwahati, IMSc Chennai, PRL Ahmedabad, NISER Bhubaneswar, IIT Bombay, and IIT Gandhinagar, among others. A total of 30 participants attended the event, which was coordinated by **Prof Rusa Mandal** and **Prof Vinod Chandra.**

PHOTONICS FOR HEALTH, ATMOSPHERE, SAFETY AND EDUCATION 2023

The Photonic Sensors Lab at IITGN, with support from the Distinguished International Associates Programme of the Royal Academy of Engineering, UK, conducted a two-day Indo-UK workshop titled 'Photonics for Health, Atmosphere, Safety and Education' (PHASE) 2023 during Mar 30-31, 2023. The international workshop had a line-up of eminent speakers from India and the UK who spoke in diverse topics such as industrial-scale sensing, biophotonics, widely tunable lasers and biomedical imaging and engineering. Approximately 75 participants from India and overseas attended the workshop, exchanged knowledge about the cutting-edge research being done in the field of photonics and presented posters on their research. The workshop was coordinated by **Profs Arup Lal Chakraborty, Himanshu Shekhar** and **Saumyakanti Khatua.**

SYMPOSIUM

IITGN-IITK JOINT SYMPOSIUM

Faculty members of IITGN and IIT Kanpur came together for a Joint Symposium on Energy Technologies on Apr 15 -16, 2022, to discuss research areas of mutual

interest in the domain of energy technologies. The event provided a platform to identify potential joint research proposals and projects. **Prof Atul Bhargav** coordinated the event.

GRAVITY AND BLACK HOLE MEETING

With an emphasis on the theoretical and observational aspects of black holes, IITGN organised a 'Gravity and Black Hole' meeting during Nov 9-11, 2022. The event brought together experts on black hole physics for intense discussion and exchange of research ideas. The meeting was coordinated by **Prof Sudipta Sarkar**.

SYMPOSIUM ON GLOBAL LITERARY MODERNITIES AND MODERNISMS

The discipline of Humanities and Social Sciences organised a Symposium on 'Global Literary Modernities and Modernisms' on Nov 11, 2022. The event featured two keynotes, from **Prof Udaya Kumar**, professor, Centre for English Studies, JNU and **Prof Simona Sawhney**, associate professor (Literature), IIT Delhi, and five IITGN doctoral papers. The symposium was coordinated by **Prof Arka Chattopadhyay**.

YOUNG THEORETICAL PHYSICISTS' MEET

IITGN organised a Young Theoretical Physicists' Meet during Dec 13-15, 2022, with speakers from various prestigious organisations/universities from around the world, including Harvard University; Central European Institute for Cosmology and Fundamental Physics (CEICO), FZU Prague; University of Cambridge; among others, to facilitate an intense academic discussion on various areas of theoretical physics. The meeting was coordinated by **Prof Sudipta Sarkar.**

INDOML 2022

IITGN, in collaboration with IIT Kharagpur, organised the third edition of the 'Indian Symposium on Machine

Learning' (IndoML) during Dec 15-17, 2022. More than 300 participants, eminent international speakers, researchers, and industry personnel attended IndoML 2022 which highlighted the intersection of Artificial Intelligence (AI) and Machine Learning (ML) with other fields of research. The event was coordinated by Profs Anirban Dasgupta, Mayank Singh, and Udit Bhatia.

WRITING R&D GRANTS FOR WOMEN ENGINEERS

IITGN, jointly with the Indian National Academy of Engineering (INAE) and Science and Engineering Research Board (SERB), organised a workshop on 'Writing R&D Grants for Women Engineers' during Feb 23-24, 2023. The two-day event was aimed at encouraging women engineers to undertake research and pursue funding for their research proposals and was facilitated by **Dr Dandu Radha Prasada Raju**, R&D adviser/visiting professor at IIT Madras, IIT Tirupati, IIT Hyderabad, PSG Institute of Coimbatore, GMR Institute of Technology, IIM Vizag, and JNTU-Anantapur; **Dr Rajiv K Tayal**, former advisor, Department of Science and Technology, Government of India; and **Dr Sivaji Chakravorti**, vice-president, INAE. A total of 30 women researchers from the states of Goa, Gujarat, Madhya Pradesh, Maharashtra, and Rajasthan participated in the workshop. On the concluding day, the attendees went on a field visit to Sahajanand Laser Technology Ltd, which included a tour of the company's manufacturing unit, research and development facility, and quality control labs. The event was coordinated by **Prof Atul Bhargav**.

SYMPOSIUM ON FRONTIER PROBLEMS IN NANOMAGNETISM AND SPINTRONICS

The discipline of Physics at IITGN hosted a one-day Symposium on 'Frontier Problems in Nanomagnetism and Spintronics' on Feb 9, 2023, with an aim to bolster research activities and collaborations at the national and international levels in the field. Experts from India and abroad were present in the daylong conclave and introduced the participants to cutting-edge research problems in the areas of nanomagnetism and spintronics. The workshop was coordinated by **Prof Rupak Banerjee**.

LANGUAGE CARNIVAL

IITGN celebrated International Mother Language Day with a 'Language Carnival' on Feb 21, 2023. More than 250 students, faculty, and staff members from 12 different language backgrounds participated in the exciting event and showcased their language and culture through creative stalls and engaging activities. The event, hosted by the Leadership Development Initiative (LDI) at IITGN, instilled the importance of different languages in an enjoyable way and highlighted the diverse linguistic and cultural landscape of the campus community.

PORTALS TO RESEARCH 2.0

With the aim to enhance scientific discussions among the postdoctoral fellows of the institute and provide them with a stage to communicate their research to a broader audience, the Research and Development wing of IITGN organised the second edition of 'Portals to Research', a Postdoc Poster Presentation event on Mar 3, 2023. More than 60 postdoctoral fellows of the Institute from diverse research backgrounds communicated their research to IITGN faculty, staff and students.

OUTREACH

- **Prof Karla Mercado-Shekhar**, assistant professor, Biological Engineering, was invited as a guest speaker by GBRC to deliver a talk as part of their initiative PRABODH (Promoting Research Awareness in Biotechnology for Development of Human Resources), on Apr 26, 2022. She, along with **Prof Himanshu Shekhar**, assistant professor, Electrical Engineering, was also invited to deliver a seminar at IIT Delhi.

- **Prof Gadadhar Misra**, visiting professor, Mathematics, was invited as one of the speakers to speak on "Recent Advances In Mathematical Analysis and Applications" at the National Conference of Academy for Progress of Mathematics, organised by DST-CIMS, Institute of Science, Banaras Hindu University (BHU), Varanasi, during May 7-8, 2022

- **Prof Amit Prashant**, officiating director and **Prof Dhiraj Bhatia**, assistant professor, Biological Engineering, were invited to present institutional talks in the PDF Satellite Meeting 2022, the 2nd chapter of "14th Young Investigators' Meeting 2022", organised by India Bioscience on May 11, 2022

- An IITGN team comprising **Prof Vinod Narayanan**, **Prof Pankaj Khanna**, **Mr Saumil Shah**, and **Mr Vijay Sutreja** participated in the UNESCO India–Africa Hackathon in New Delhi on Nov 22-23, 2022, which was hosting more than 600 innovators, students, educators, teachers, and the research community of India and its African partners from 20+ countries.

- On Feb 23, 2023, **Prof Sharmita Lahiri**, Associate professor, Humanities and Social Sciences (HSS), IITGN, was invited as one of the plenary speakers in the conference 'The Global Indian Diasporas: Literary, Cultural and Socio-Economic Perspectives in the 21st Century', organised by the Centre for Diaspora Studies, Central University of Gujarat. She also presented a paper titled "The diasporic experience: a comingling of the original and the adopted: A study of Purba Paschim Vol 2".

- **Prof Sharmita Lahiri** also delivered a guest lecture on Mar 22, 2023, in the lecture series "Argumentation in Research Writing", organised by IIIT Delhi.

INVITED LECTURES

- Plasmonic metamaterials: from basics to applications, **Prof Neha Sardana**, assistant professor, Metallurgical and Materials Engineering, IIT Ropar, Apr 01, 2022
- The cradle of indian physics: Physics Department, Calcutta University (1916-1947), **Prof Anirban Kundu**, professor, Physics, University of Calcutta, Apr 01, 2022
- Development of reusable plasmonic platforms for specific detection of covid-19 RNA at ultralow concentrations, **Dr NVS Praneeth**, research associate, Chemistry, IIT Gandhinagar, Apr 01, 2022
- Controlling cavity-mediated superconductivity and criticality by engineering quantum states of light, **Dr Ahana Chakraborty**, distinguished postdoctoral associate, Department of Physics & Astronomy, Rutgers University, Apr 01, 2022
- Local galois representations and cohomology, **Prof Debargha Banerjee**, associate professor, Mathematics, IISER Pune, Apr 04, 2022
- Probabilistic models for learning regulatory programs from high-throughput experiments, **Prof Leelavati Narlikar**, associate professor, Data Science, IISER Pune, Apr 05, 2022
- Psychopathology of everyday casteism, **Dr Mahitosh Mandal**, Chair at the Department of English, Presidency University, Kolkata, Apr 05, 2022
- Large deviations from the mean-field limit in communication networks, **Prof Rajesh Sundaresan**, professor, Electrical Communication Engineering, IISc Bangalore, Apr 06, 2022
- Current challenges to global security and economic architecture: implications for india, **Arun Kumar Singh**, former Indian ambassador to the United States, France, and Israel, Apr 06, 2022
- Improve your microsoft word skills, **Mr Raju Beerasent**, junior technical superintendent, Physics, IIT Gandhinagar, Apr 07, 2022
- The many roles of acting in axons: traffic jams, regeneration and behaviour, **Prof Sandhya Koushika**, India's first HHMI Fellow and associate professor at TIFR Bombay, Apr 08, 2022
- Challenges of chronic wound healing as an inspiration for the development of a peptide-like polymer platform, **Prof Abraham Joy**, professor, Polymer Science and Polymer Engineering, the University of Akron, Apr 08, 2022
- Design for the masses, **Mr Satyajit Mittal**, co-founder of Sanotion & SquatEase, and Founder of Aretto, Apr 09, 2022
- Hodge numbers are not derived invariants in positive characteristic, **Prof Nicolas Addington**, associate professor, Department of Mathematics, University of Oregon, USA, Apr 11, 2022
- Mathematical models of self-organised patterning of human embryonic stem cells, **Dr Prajakta Bedekar**, postdoctoral fellow with a joint appointment in Johns Hopkins University and National Institute of Standards and Technology, Apr 12, 2022
- Fostering creativity and innovation in science and engineering: Rethinking STEM education, **Dr Aditi Kothiyal**, postdoctoral researcher, Computer-Human Interaction in Learning and Instruction (CHILI) lab, Swiss Federal Institute of Technology Lausanne (EPFL) and executive director of the joint EPFL and ETH Zurich doctoral programme in the learning sciences, Apr 13, 2022
- DNA: not merely the secret of life: Tribute lecture in memory of Prof Ned C Seeman (1945-2021), **Dr Banani Chakraborty**, Ramalingaswami fellow, IISc Bangalore, Apr 13, 2022
- Dr B R Ambedkar and the making of a modern Indian citizen, **Prof Sumeet Mhaskar**, associate professor, Jindal School of Government and Public Policy, Apr 14, 2022
- Star-heegner cycles and arithmetic by **Prof Guhan Venkat**, Assistant Professor, Department of Mathematics, Ashoka University, Apr 18, 2022
- Receding horizon control: old and new ideas, **Dr Debasish Chatterjee**, professor, Systems and Control Engineering, IIT Bombay, Apr 18, 2022
- The ubiquitin family: evolution and alternative splicing functions of its two distant members, **Prof Shravan Kumar Mishra**, associate professor and Wellcome Trust/DBT India Alliance Intermediate fellow, Department of Biological Sciences, IISER Mohali, Apr 20, 2022
- Momentum ray transforms and a calderon-type inverse problem, **Prof Venky P Krishnan**, associate professor TIFR, Centre for Applicable Mathematics, Bangalore Apr 20, 2022
- Debates on language in modern gujarat: dialogues between past and present, **Prof Riho Isaka**, professor, Department of Area Studies, Graduate School of Arts and Sciences, University of Tokyo, Apr 20, 2022
- Decision intelligence for health intervention planning, **Dr Arpita Biswas**, CRCS postdoctoral fellow, Harvard University, Apr 20, 2022
- Rational design of heterogeneous catalysts for the production of biorenewables using first principle density functional theory simulations, **Prof Shelaka Gupta**, assistant professor, Department of Chemical Engineering, IIT Hyderabad, Apr 21, 2022
- Artificial intelligence & digital phenotyping for depression diagnosis, **Rajanikant Ghate**, data science and analytics lead, Avegen, Apr 23, 2022
- Making things happen in the government, **Mr Anil Swarup**, IAS & former secretary, Government of India, Apr 23, 2022
- Hydrodynamic instability of complex flows: analysis & numerical computing, **Dr Sukhendu Ghosh**, assistant professor, Department of Mathematics, IIT Jodhpur, Apr 25, 2022
- Manual scavenging and technology: notes on indian urbanism, **Kanthi Swaroop**, PhD candidate, Centre for Policy Studies, IIT Bombay, Apr 25, 2022
- Writing and re-writing the history of cancer medicine, **Dr Carsten Timmermann**, director of the Centre for the History of Science, Technology, and Medicine (Division of Medical Education) University of Manchester, UK, Apr 26, 2022
- Liaison librarianship – bridging the gap?, **Ms Maha Kumaran**, librarian, University of Saskatchewan, Canada, Apr 27, 2022
- Phase-change-based passive thermal management strategies for earth and space applications, **Dr Nirbhay Kumar**, postdoctoral fellow, Mechanical Engineering, IIT Gandhinagar, Apr 29, 2022
- Exploring solutions to our food system challenges, **Prof Navin Ramankutty**, professor and Canada Research Chair, Global Environmental Change and Food Security, University of British Columbia, Apr 29, 2022
- Remote sensing in archaeology: a few case studies, **Dr M B Rajani**, associate professor, National Institute for Advanced Studies, Bengaluru. Apr 30, 2022
- Developing work life balance, **Ms Sunita Menon**, coordination officer, IIT Gandhinagar, May 05, 2022
- Work extraction from single-mode thermal noise by measurements: how important is information?, **Dr Avijit Misra**, postdoctoral fellow, Weizmann Institute, May 6, 2022
- Fireside chat 2.0: just make it, **Ajay Lavakare**, director TinkerTech Lab, and founding member & past co-president of Stanford Angels & Entrepreneurs India in conversation with Rohildev, Founder & CEO-Tech, Nimo Planet Inc, May 06, 2022
- Density fluctuations and homeostasis in proliferating mammalian cells, **Dr Nishit Srivastava**, HFSP postdoctoral fellow, Institut Curie, Paris, May 09, 2022
- Medical humanities, literature, and methodology: on the challenges of studying epilepsy narratives, **Claire Jeantils**, PhD student, CNRS – Sorbonne Nouvelle, May 10, 2022
- Ornaments in prehistoric and early historic south asia: archaeological and analytical approaches, **Prof J M Kenoyer**, professor, Anthropology, University of Wisconsin-Madison, USA, May 28, 2022
- Writing effective business emails: do's and don'ts, **Ms Falguni Tailor**, project manager, Dr Kiran C Patel Centre for Sustainable Development, IIT Gandhinagar, Jun 02, 2022
- Making gmail work for you - automation techniques, **Ms Timir Berawala**, **Ms Falguni Tailor**, and **Mr Saumil Shah**, IITGN staff members, Jun 16, 2022
- Bridging cultures: thinking beyond CP snow through visual storytelling, **Mr Argha Manna**, visual and graphics art consultant, University of Oslo, Norway, Jun 23, 2022
- From molecular epidemiology to cancer prevention in India- lessons from lynch syndrome by **Dr Harsh Sheth**, assistant professor and head of Advanced Genomic Technologies Division, FRIGE's Institute of Human Genetics, Jun 25, 2022
- Historical archaeology of the brahmaputra Valley: recent perspectives, **Dr Manjil Hazarika**, assistant professor and head of department, Archaeology, Cotton University, Guwahati, Jun 25, 2022
- Research In motion: an academia-

industry drive-through, **Dr Shravan Kumar Kalyankar**, wireless communication researcher, V2X Communications Systems Continental Automotives, Singapore Research Society, Jul 02, 2022

- Growth control in plants: a continuous battle between stem cell maintenance and resource allocation, **Prof Peter Doerner**, Chair of Applied Biology, School of Biological Sciences, The University of Edinburgh, Jul 05, 2022
- Are more choices better and other tales about economics, **Dr Sudipta Sarangi**, professor of Economics, Virginia Tech, Jul 06, 2022
- Current status of metal additive manufacturing process and opportunities for future research, **Prof Ravi K R**, associate professor, Department of Metallurgical and Materials Engineering, IIT Jodhpur, Jul 11, 2022
- A solo bike ride across India: A tribute to defence widows, **Ms Ambika Krishnaan**, accounts professional, RJ, and biking enthusiast, Jul 11, 2022
- Role of MSL-mediated H4K16ac in mammalian genome regulation, **Dr Manthankumar Patel**, post-doctoral Researcher, Queen Mary University of London, Jul 13, 2022
- Overview of international scientific cooperation and dst schemes, **Dr S K Varshney**, Scientist-G and currently the head, International Cooperation Division, Department of Science and Technology, Government of India, Jul 13, 2022
- Cohesive decentralised control of networks with delays, **Anuj Tiwari**, doctoral candidate, Department of Mechanical Engineering, University of Washington, Seattle, Jul 14, 2022.
- Formulation and demonstration of a technique to assess the incinerability of municipal solid waste, **Dr Roshni Mary Sebastian**, postdoctoral fellow, Department of Mechanical Engineering, University of Alberta, Canada, Jul 18, 2022
- Building blocks for fuzzing, **Dr Rahul Gopinath**, lecturer, University of Sydney, Computer Science and Engineering, Jul 19, 2022
- Pursuit of clean air in India, **Dr Pallavi Pant**, senior scientist, Health Effects Institute, Jul 20, 2022
- Highlights of biomedical photoacoustics research @IIITA, **Prof Ratan Saha**, associate professor, Department of Applied Sciences, IIIT Allahabad, Jul 21, 2022
- Beyond the sacred city: Repositioning anuradhapura within its hinterland, **Prof Robin Coningham**, professor of Archaeology and UNESCO's Chair in Archaeological Ethics and Practice in Cultural Heritage, Durham University, UK, Jul 23, 2022
- Technology driven approaches for addressing societal challenges: case studies in smart cities, energy, water management and agriculture, **Prof Parag Kulkarni**, associate professor, Department of Computer and Network Engineering, College of IT, UAE University (UAEU) Jul 25, 2022
- Contact-rich manipulation by humans and robots, **Dr Samarth Brahmbhatt**, research scientist, Intel Labs, Santa Clara, California, USA, Jul 27, 2022
- Real spatio-real temporal coordinates, **Dr Rajat Gupta**, postdoctoral research scholar, Institute of Mathematics, Taiwan, Jul 27, 2022
- Wigert-type divisor problem, **Prof Debika Banerjee**, assistant professor, Department of Mathematics, Indraprastha Institute of Information Technology Delhi, Aug 3, 2022
- Pattern formation in reaction-diffusion systems: An overview, **Dr Nayana Mukherjee**, national postdoctoral fellow, The Institute of Mathematical Sciences, Chennai, Aug 05, 2022.
- Ten eclectic problems in indian mathematics, **Dr Raghavasimhan Thirunarayanan**, Scholar-in-Residence, History of Mathematics in India (HoMI) project, IIT Gandhinagar, Aug 05, 2022
- Regularity lemmas under model-theoretic tameness conditions, **Prof Rehana Patel**, African Institute for Mathematical Sciences, Senegal, Aug 05, 2022
- User experience: design detailing, **Mr Ankur Sahay**, user experience designer-II, Microsoft Aug 06, 2022
- Finiteness theorems with almost prime inputs, **Dr Soumyarup Banerjee**, postdoctoral fellow, Mathematics, IIT Gandhinagar, Aug 08, 2022
- DPFs to the rescue: applications of distributed point functions to secure multiparty computations, **Dr Adithya Vadapalli**, postdoctoral fellow, University of Waterloo, Aug 10, 2022
- Six more eclectic problems in indian mathematics, **Dr Raghavasimhan Thirunarayanan**, scholar-in-residence, History of Mathematics in India, (HoMI) project, IIT Gandhinagar, Aug 10, 2022
- A bioinformatics screen identifies a conserved antennal-enriched anoctamin that regulates olfactory signalling, **Dr Pratyajit Mohapatra**, Department of Physiology and Neurology, University of Connecticut, Aug 12, 2022
- Evolution of minor introns and targeting minor intron-containing genes for therapeutics, **Prof Rahul Kanadia**, associate professor, Department of Anatomy and Physiology, University of Connecticut, Boston, USA, Aug 12, 2022
- Interactions, order, and information in a torque-driven microscopic swarm, **Dr Vimal Kishore**, assistant professor, Physics, Banaras Hindu University, Aug 17, 2022
- Algebrization of point set topology, **Prof Kapil H Paranjape**, professor, Mathematics, IISER Mohali, Aug 17, 2022
- Nonorthogonal wavelet transformation for reconstructing gravitational wave signals, **Dr Soumen Roy**, researcher, Utrecht University, The Netherlands, Aug 19, 2022
- The biopolitical zombie: medicalized selfhood in twenty-first century political fantasy by **Prof Erik Larsen**, assistant professor, Medical Humanities, University of Rochester, USA, Aug 22, 2022
- What is new & happening in academic & research libraries in canada, **Ms Aditi Gupta**, Engineering & Science Librarian, University of Victoria Libraries, Aug 23, 2022
- 'You'th can lead, **Dr Marshall Goldsmith**, America's #1 executive coach, INC Magazine, Aug 26, 2022
- Fishing cat: a wetland cat requiring a socio-ecological conservation approach, **Ms Tiasa Adhya**, co-founder, The Fishing Cat Project, Aug 29, 2022
- Introduction to propositional modal logics and modal tableaux, **Prof Rajeev Gore**, emeritus professor, Australian National University, Aug 31, 2022
- Topological defects in quantum fluids, **Dr Mithun Thudiyangal**, professor, Department of Mathematics, University of Massachusetts, Amherst, Aug 31, 2022
- CEGAR-tableaux: improved modal satisfiability via modal clause-learning and SAT, **Prof Rajeev Gore**, emeritus professor, Australian National University, Sep 01, 2022
- Giant transverse transport effects in topological quantum magnets, **Dr Prasanta Kumar Muduli**, assistant professor, Physics, IIT Madras, Sep 02, 2022
- Joyful reading in script-less communities: an Arunachal Pradesh story, **Shri Sathyanarayanan Mundayoor**, educationist and social activist, Sep 06, 2022
- Advancing the representation of human-water interactions in macro-scale hydrological models, **Dr Stefano Galleli**, associate professor, Singapore University of Technology and Design (STUD), Sep 08, 2022
- 'Vomiting blood': tuberculosis and bengali literature, **Dr Suvankar Dey**, assistant professor, History, Sidho Kanho Birsha University, Sep 12, 2022
- Interaction of molecules with light, **Dr Kishan Menghrajani**, postdoctoral fellow, University of Exeter, Sep 14, 2022
- Who brought India its Independence?, **Prof P Sainath**, journalist, author and founder Editor, PARI -People's Archive of Rural India, and Scholar-in-Residence, IITGN, Sep 14, 2022
- Resource recovery from waste – circular economy approach for sustainable urbanisation, **Dr Brajesh Kr Dubey**, Department of Civil Engineering, IIT Kharagpur, Sep 15, 2022
- An introduction to the world of computational chemistry, **Prof Prakash Jha**, professor, Department of School of Applied Materials Science, Central University of Gujarat, Sep 16, 2022
- Science, religion and caste, **Prof Renny Thomas**, assistant professor, Sociology and Social Anthropology, IISER Bhopal, Sep 16, 2022
- Human trafficking and prostitution: an indian perspective, **Dr Rohini Sahni**, professor and head, Department of Economics, University of Pune, Sep 17, 2022
- Periyar's radical thought, **Karthick Ram Manoharan**, Marie Sklodowska-Curie Research Fellow, University of Wolverhampton, Sep 17, 2022
- Introduction to transformer architecture for computer vision, **Prof Chetan Arora**, associate professor, Computer Science Department, IIT Delhi, Sep 19, 2022
- Peer review: theory, algorithms, and applications, **Prof Shanmuganathan Raman**, Jibaben Patel Chair associate professor, Computer Science & Engineering and Electrical Engineering, IIT Gandhinagar, Sep 19, 2022
- Thermally induced nonclassicality of atomic oscillators, **Prof Radim Filip**,

- professor, Department of Optics, Faculty of Science, Palacky University, Olomouc, Czech Republic, Sep 20, 2022
- The search-based software engineering research area, **Dr Celso Camilo**, associate professor, Federal University of Goiás, Brazil, and scholar-in-residence, Computer Science and Engineering, IITGN, Sep 21, 2022
- The scholarly communication ecosystem: academic integrity, openness and fairness, **Ms Karrie Peterson**, department head, Liaison and Instruction Services, MIT Libraries, USA, Sep 21, 2022
- Candidate sentiment, traditional, owned and earned social media: the role of fan following in influencing voting intentions, **Dr Marcos Inácio Severo de Almeida**, adjunct (research) professor, Federal University of Goias, Brazil and scholar-in-residence in Computer Science and Engineering, IITGN, Sep 22, 2022
- Multistable metamaterials to tune linear and non-linear wave propagation, **Vinod Ramakrishnan**, PhD candidate, University of California, San Diego, Sep 22, 2022
- Behavioural insights for public policy, **Dr Nick Goodwin**, director, International Programmes for Behavioral Insights Team, Asia Pacific, Sep 22, 2022
- Krishnagiri mahavihara: study on its patronage during early historic period, **Prof Suraj Pandit**, professor, Sathaye College, Mumbai, Sep 24, 2022
- Microbes in space: issues and solutions about "Omics in space" by **Dr Kasthuri Venkateswaran**, senior research scientist, NASA – Jet Propulsion Laboratory, Sep 27, 2022
- On the genealogy of perversion: from psychiatry to psychoanalysis, **Dr Meera Lee**, faculty, Hunter College, City University of New York, US, Sep 27, 2022
- Our value proposition and investment awareness programme, **SBI Wealth Members**, SBI Wealth, Oct 06, 2022
- Forward and inverse machine learning assisted first-principles models for designing nanostructured materials, **Dr Sanghamitra Neogi**, assistant professor, Ann and H J Smead Aerospace Engineering Sciences, University of Colorado Boulder, USA, Oct 07, 2022
- Living beings seem to favour odd and simple regulatory logic, **Prof Areejit Samal**, professor, Computational Biology, IMSc Chennai, Oct 10, 2022
- Cut locus of submanifolds: a geometric viewpoint, **Sachchidanand Prasad**, PhD student, Department of Mathematics and Statistics, IISER Kolkata, Oct 10, 2022
- The conundrum of fossil fuel resource exploitation, climate change & energy security – what can we do?, **Prof Volker Vahrenkamp**, professor of Geology, KAUST's Ali Naimi Petroleum Engineering Research Center, Oct 10, 2022
- Nucleic acid engineering as a toolbox for studying unique dna structures and imaging small molecules in cells, **Dr Sudeshna Manna**, postdoctoral fellow, Department of Chemistry, Henry Eyring Center for Cell and Genome Science, University of Utah, USA, Oct 12, 2022
- Dynamical construction of quadrupolar and octupolar topological

- superconductors, **Dr Tanay Nag**, postdoctoral fellow, Department of Physics and Astronomy, Materials Theory, Uppsala University, Oct 12, 2022
- McKay correspondences for finite and linearly reductive group schemes, **Prof Christian Liedtke**, professor, Algebraic Geometry, Technical Universitat Munich, Germany, Oct 12, 2022
- Zt.Zzt in the anthropocene: arthropod flesh, solar-strip skin and anthropocene time in the old drift, **Prof Amit Rahul Baishya**, associate professor, Department of English, University of Oklahoma, Oct 12, 2022
- Ready-to-use gravitational-wave templates for compact binaries inspiraling along mildly eccentric orbits, **Dr Srishti Tiwari**, postdoctoral fellow, IUCAA, Pune, Oct 14, 2022
- Convection from a sphere in visco-plastic fluids, **Prof Raj Chhabra**, guest professor at IITGN and professor, Department of Chemical Engineering, School of Engineering (SoE), Shiv Nadar University, Oct 14, 2022
- Remembering bhopal: curative catharsis or abortive closure?, **Dr Shalini Sharma**, associate professor, Department of Humanities and Social Sciences, IISER Pune, Oct 14, 2022
- The rise of hyper-realistic ai-generated visual content: algorithmic milestones and safeguard mechanisms, **Dr Ekta Prashnani**, IITGN alumna and research scientist, NVIDIA, USA, Oct 16, 2022
- Complex cardiovascular problems: (1) left heart with diseased valves, and (2) univentricular heart, **Prof S D Sharma**, former professor, Aerospace Engineering Department, IIT Bombay, Oct 17, 2022
- Computationally optimal alternatives for Cayley tables, **Prof Bireswar Das**, associate professor, Computer Science & Engineering, IITGN, Oct 17, 2022
- Space-time and the quantum, **Prof Maulik Parikh**, professor, Department of Physics, Arizona State University, Oct 18, 2022
- Carousels and dead fish: self-identification with and against medical terminology in graphic memoirs, **Dr Krista Quesenberry**, assistant professor of English, Albion College, Michigan, USA, Oct 18, 2022
- Modified Polyaromatic Hydrocarbons (PAHs) embedded porphyrinoids, **Prof M Ravikanth**, professor and head of the Department of Chemistry, IIT Bombay, Oct 19, 2022
- Multiparameter CCR flows with non-trivial index, **Piyasa Sarkar**, PhD student, Mathematics, IMSc, Chennai, Oct 19, 2022
- The art of storytelling: the people's archive of rural india, **Prof P Sainath**, journalist, author and founder editor, People's Archive of Rural India (PARI), and currently scholar-in-residence, Humanities and Social Sciences, IITGN, Oct 19, 2022
- Cyber security awareness, **ISTF team**, IITGN, Oct 20, 2022
- Understanding the agrarian crisis: and why it's far from over, **Prof P Sainath**, journalist, author and founder editor, People's Archive of Rural India (PARI), and currently scholar-in-residence, Humanities and Social Sciences, IITGN, Oct 21, 2022

- Lens for a social cause, **Palani Kumar**, cinematographer and a fellow of the People's Archive of Rural India (PARI), Oct 27, 2022
- Manual scavenging, **Palani Kumar**, cinematographer and a fellow of the People's Archive of Rural India (PARI), Oct 28, 2022
- Human-animal relations across time and space: case studies of recent approaches and novel perspectives, **Prof Sharada C V**, assistant professor, Humanities and Social Sciences, IITGN, Oct 29, 2022
- Science, technology and innovation in India: vision 2030 & beyond, **Dr Akhilesh Gupta**, secretary, SERB-DST, Government of India, Oct 29, 2022
- Communicating climate change to a fragmented audience, **Prof Deepti Ganapathy**, chair at Centre for Management Communication and Faculty in Communication, IIM Bangalore, Oct 31, 2022
- Transforming discovery of therapeutics, **Dr Hidenori Takahashi**, executive director, Med Chem. Schrodinger Inc., USA, Nov 02, 2022
- Interpolation polynomials and linear algebra, **Dr Sushil Singla**, research associate, IISc Bangalore, Nov 02, 2022
- Editing a companion of northeast india, **Prof Tanka B Subba**, retired professor, Department of Anthropology, North-Eastern Hill University (NEHU), Shillong and ex-vice chancellor of Sikkim University, and **Prof Jelle J P Wouters**, associate professor in Anthropology and Sociology at Royal Thimphu College, Bhutan, and chair of the Himalayan Centre for Environmental Humanities/ HCEH, Nov 02, 2022
- India's canine heritage, **Dr Theodor Bhaskaran**, a well-known wildlife conservationist and historian, Nov 04, 2022
- Total modernism, **Prof Jean-Michel Rabaté**, professor of English and Comparative Literature, University of Pennsylvania, Nov 04, 2022
- Exclusive humans with inclusive DNA, **Prof Umashankar Singh**, associate professor, Biological Engineering, IITGN, Nov 05, 2022
- Blowup-polynomials of graphs, **Prof Projesh Nath Choudhury**, assistant professor, Mathematics, IITGN, Nov 07, 2022
- Advancing disease evaluation through wearable devices: mobility in ageing and neurological disorders, **Prof Kamiar Aminian**, adjunct professor, Laboratory of Movement Analysis and Measurement EPFL, Nov 09, 2022
- Gravitational lensing of gravitational waves: a new frontier, **Prof P Ajith**, faculty member, ICTS Bangalore, Nov 10, 2022
- Privacy-aware multimedia analytics, **Prof Mohan Kankanhalli**, provost's chair professor of Computer Science, National University of Singapore, Nov 11, 2022
- Interplay of strong correlations, topology, and disorder in high-temperature superconductors, **Dr Debmalya Das**, Uppsala University, Sweden, Nov 11, 2022
- The "Click" that revolutionised the chemistry of complex molecules, **Prof Sivapriya Kirubakaran**, Kankuben

- Bakshirambhai Gelot Chair associate professor, Chemistry, IITGN, Nov 12, 2022
- The creative in academic writing, **Prof Saumya Bhandari**, IITGN alumna and visiting faculty member at CEPT University, Ahmedabad, Nov 12, 2022
- Hedgehog conservation in Tamilnadu: saving rare small mammals with people's participation, **Dr R Brawin Kumar**, early-career conservation biologist, IISER Tirupati, Nov 16, 2022
- Real-world movement analysis in health and disease using wearable sensors: from step counting to 3d movement analysis, **Prof Kamiar Aminian**, scholar-in-residence, Centre for Cognitive Science, IITGN, Nov 16, 2022.
- Animate india: environments, humans and animals in history, **Prof Mahesh Rangarajan**, professor of History and Environmental Studies at Ashoka University, former director of Nehru Memorial Museum and Library, Teen Murti, and former vice-chancellor at KREA University, Nov 16, 2022
- Leave provisions and application norms for non-teaching employees, **Shri Ram Babu Bhagat**, joint registrar (E&A), IITGN, Nov 17, 2022
- Entanglement unleashed, **Prof B Prasanna Venkatesh**, assistant professor, Physics, IITGN, Nov 19, 2022
- Negative therapeutic reaction: Freud and beyond, **Prof Santanu Biswas**, professor of English, Jadavpur University, Nov 22, 2022
- The regulatory mechanisms of incest control in Brassica, **Mr Abhinandan Kumar**, molecular business development manager, 20/20 Seeds Lab Inc. Alberta, Canada, Nov 29, 2022
- Einstein's mistakes, **Prof Sudipta Sakar,** associate professor, Physics, IITGN, Dec 02, 2022
- Prevention of sexual harassment of women at workplace Act 2013, **Dr P J Derashri**, an experienced trainer, Dec 02, 2022
- Including temperature in Hanbury-Brown and Twiss interferometry & Casimir nanoparticle levitation in vacuum, **Dr Adrian E Rubio Lopez**, postdoctoral fellow, Purdue University, Dec 05, 2022
- Non-canonical DNA structures mediated by fluorescent silver nanoclusters for biomedical applications, **Prof Pratik Shah**, assistant professor, Department of Science and Environment, Roskilde University, Denmark, Dec 06, 2022
- Clean cooling technologies for india, **Prof Armin Hafner**, professor in refrigeration technology, Department of Energy and Process Engineering, Norwegian University of Science and Technology, Trondheim, Norway, Dec 07, 2022
- National and international opportunities for career advances in academia and allied areas, **Dr Shantala Hari Dass**, director, India Biosciences, Dec 07, 2022
- The journey of a material scientist towards physics, **Dr Amit Kumar**, senior lecturer and head, Centre for Quantum Materials Technologies, School of Mathematics and Physics, Queen's University Belfast, Dec 15, 2022
- Pre-urban Harappan burials in Gujarat: new evidence from Juna Khatiya, **Dr S V Rajesh**, assistant professor, Department of Archaeology, University of Kerala, Dec 31, 2022
- Primitive p-extensions of p-fields, **Prof Chandan Singh Dalawat**, professor H+, Harish-Chandra Research Institute, Allahabad, Jan 02, 2023
- Innovations in miniaturised fluorescence microscopy for intraoperative surgical imaging, **Dr Khushi Vyas**, EPSRC-funded postdoctoral research associate, Hamlyn Centre for Robotic Surgery, Imperial College London, UK, Jan 05, 2023
- Surface modification strategies to improve titanium hemocompatibility, **Prof Ketul Popat**, associate professor, Department of Mechanical Engineering/ School of Biomedical Engineering and director of Undergraduate Programme, School of Biomedical Engineering, Colorado State University, Jan 06, 2023
- 'Click Chemistry'- a nobel prize reaction: The growing impact in glycoscience, **Prof Vinod Tiwari**, professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Jan 06, 2023
- UNESCO heritage sites and post-conflict aftermath: practical action and a case study in Iraq, **Prof Massimo Vidale**, scholar-in-residence, IITGN, and associate professor at University of Padua, Italy, Jan 09, 2023
- Error bounds for the asymptotic expansion of the partition function and its consequences, **Koustav Banerjee**, PhD student, Research Institute for Symbolic Computation (RISC), Johannes Kepler University, Austria, Jan 09, 2023
- Constitutive modelling of self-healing materials using continuum damage-healing mechanics, **Dr Harini Subramanian**, project associate, Department of Aerospace Engineering, IIT Madras, Jan 11, 2023
- Plasticity, chunking, and implicit collective memory: a convergence of memory studies and medical humanities, **Dr Avishek Parui**, associate professor, Humanities and Social Sciences, IIT Madras, Jan 12, 2023
- Networks, forces and transitions: a synthetic approach to understand axial emergence in multicellular systems, **Prof Vikas Trivedi**, group leader, Self-organisation in Multicellular Systems, Center for Regenerative Genetics, EMBL Barcelona, Spain, Jan 13, 2023
- Optimal inequalities and related problems, **Prof K Sandeep**, professor, TIFR Centre for Applicable Mathematics Bangalore, Jan 13, 2023
- Formal verification for security protocols with certification, **Dr Vaishnavi Sundararajan**, former postdoctoral researcher, University of California, Santa Cruz, Jan 13, 2023
- Continued fractions in indian mathematics, **Dr Raghavasimhan Thirunarayanan**, scholar-in-residence, Mathematics, IIT Gandhinagar, Jan 13, 2023
- Learning algorithms and hardware for robust brain-machine interfaces, **Dr Sahil Shah**, assistant professor in the Department of Electrical and Computer Engineering, University of Maryland, College Park, Jan 17, 2023
- The science of dream interpretation: How to interpret dreams, **Dr Frederick L Coolidge**, professor, Psychology , University of Colorado, Jan 19, 2023
- Carbon-based flexible microdevices for energy storage and sensor applications, **Dr Swati Sharma**, assistant professor in School of Mechanical and Materials Engineering, IIT Mandi, Jan 23, 2023
- Selective transport of water molecules through interlayer spaces in graphite, **Prof Gopinadhan Kalon**, assistant professor, Physics, IIT Gandhinagar, Jan 23, 2023
- Feminisms, science, and environmental justice, **Dr Kiran Asher**, professor, Department of Women, Gender, and Sexuality Studies, University of Massachusetts, Jan 23, 2023
- Challenges and applications of magnetic resonance imaging in biomedical research, **Dr Erwin Fuhrer**, visiting assistant professor, IIT Mandi, Jan 24, 2023
- The cognitive background of ceramic technologies: case studies from eurasia, **Prof Massimo Vidale**, scholar-in-residence, Humanities and Social Sciences, IIT Gandhinagar, Jan 24, 2023
- Critical and enabling role of materials in carbon neutral energy by **Prof Rajendra Bordia**, George J. Bishop, III Professor of Materials Science and Engineering, Clemson University and guest professor, Materials Engineering and KPCSD, IIT Gandhinagar, Jan 24, 2023
- Land, space and memory: indigenous experiences from West Asia, **Prof Rashid Khalidi**, Edward Said Professor of Modern Arab Studies, Columbia University, New York, Jan 27, 2023
- ISRO's rocket propulsion journey, **Shri N K Gupta**, ex-deputy director and project director (cryogenics) LPSC/ISRO, Jan 28, 2023
- Characterization and geologic provenience studies of stone and metal artefacts: case studies from across South Asia, **Dr Randall Law**, archaeologist specialising in geologic provenience analysis of stone and metal artefacts and reconstruction of the trade and communication networks of the Indus Civilization, Jan 28, 2023
- Dynamic data assimilation: an overview, **Dr S Lakshmivarahan**, George Lynn Cross Research professor emeritus, School of Computer Science, University of Oklahoma, USA, Jan 30, 2023
- Structured and disordered domains antagonize to balance neuronal ribonucleoprotein granule dynamics, **Prof Baskar Bakthavachalu**, assistant professor, School of Biosciences and Bioengineering, IIT Mandi, Jan 30, 2023
- Pultrusion of composites: challenges, limitations and advantages, **Dr Pierpaolo Carlone**, Professor in Manufacturing Technologies and Systems, Department of Industrial Engineering, University of Salerno, Jan 31, 2023
- Social AI in the wild: themes, challenges, and future directions, **Chirag Raman**, PhD candidate (T-2 months), Delft University of Technology, Feb 01, 2023
- Partitions, permutations and combinations in indian mathematics, **Raghavasimhan Thirunarayanan**, scholar-in-residence, IITGN, Feb 01, 2023
- Trauma, resilience and practices of care in (post) conflict sites: a view from lebanon, **Dr Lamia Moghnieh**, postdoctoral fellow, University of

Copenhagen, Feb 06, 2023

- Journey of DART-Hanugen translating science to reality in the form of treatment for rare diseases, **Dr Arun Shastry**, co-founder and chief scientific officer at Hanugen Therapeutics, IIEC, Feb 09, 2023
- Towards a unified description of the quantum Hall effects, **Ajit Balram**, reader, theoretical physics, Institute of Mathematical Sciences, Feb 09, 2023
- Diophantine approximation on tori, **Prof Dipendra Prasad**, professor, IIT Bombay, Feb 13, 2023
- Molecular beam microwave spectroscopy: structure, bonding and dynamics, **Prof E Arunan**, professor, IISc Bangalore, Feb 14, 2023.
- Role of IITs and IISc in the emergence of semiconductors, packaging and systems to make India a global leader, **Prof Rao Tummala**, emeritus professor, Georgia Tech and advisor to the Minister of State (Electronics and IT) Government of India, Feb14, 2023
- Lowest-order equivalent nonstandard finite element methods for fourth-order plates, **Prof Neela Nataraj**, Institute Chair professor, Department of Mathematics, IIT Bombay, Feb 15, 2023
- The value of scientific reviews, **Dr Richard Gallagher**, president and editor-in-chief, Annual Reviews, Feb 15, 2023
- River of life: oral histories of the Narmada valley, **Nandini Oza**, oral historian and digital archivist, and former president of the Oral History Association of India, Feb 15, 2023
- Construction of Hermitian Jacobi forms using linear operators, **Dr Sumukha S**, postdoctoral research fellow, Mathematics, IITGN, Feb 16, 2023
- Who says reading can't be fun?: experiences from arunachal, **Prof Sathyanarayanan Mundayoor**, scholar-in-residence, IITGN, Feb 16, 2023
- Reinforcement learning based algorithms for exploring phase transformations in materials, **Dr Anirban Chandra**, computational scientist, Argonne National Laboratory, Feb 20, 2023
- Anomalous quantum transport at lattice band edges – the connection between non-hermitian transfer matrices and exceptional points with conductance, **Prof Bijay Agarwalla**, associate professor, IISER Pune, Feb 21, 2023
- Advancements in solid state metal processing using friction surfacing and friction stir welding, **Dr Hemant Agiwal**, research assistant, University of Wisconsin-Madison, Feb 22, 2023
- 'Quantum' in quantum information processing, **Prof V Ravishankar**, professor, Physics, IIT Delhi, Feb 23, 2023
- Parallel programming with runtime adaptivity in the era of exascale and cloud computing, **Prof Laxmikant Kale**, director, Parallel Programming Laboratory and research professor, and the Paul and Cynthia Saylor professor emeritus of Computer Science, University of Illinois at Urbana-Champaign, Feb 23, 2023
- The brain gauge: a non-invasive method for assessing brain health, **Prof Mark Tommerdahl**, associate professor, Department of Biomedical Engineering, University of North Carolina, Feb 23, 2023
- The world of speculative fiction, **Mr Anil Menon**, author and editor, Feb 23, 2023
- The cosmetics palette: future trends from the industry, **Dr G Padmaraj**, COO & scientific advisor, Unique Mercantile India Limited, 24, 2023
- Recent advances in South Asia's history and archaeology, **Dr Ayumu Konasukawa**, associate professor, Graduate School of Asian and African Area Studies by Kyoto University, Feb 25, 2023
- The genesis of ISRO communication satellite payloads and future advances, **Mr K S Parekh**, retired associate director, Space Applications Centre, Space Applications Centre, Feb 25, 2023
- Davenport constant for finite abelian and non-abelian groups, **Prof Eshita Mazumdar**, assistant professor, Ahmedabad University, Feb 27, 2023
- Non-equilibrium dynamics of fluids near phase transition: a statistical mechanics study, **Prof Sutapa Roy**, assistant professor, Physics, IIT Gandhinagar, Feb 27, 2023
- Language oppression, social exclusion and linguistic justice, **Dr Vijay D'Souza**, director, North East Institute of Language and Culture, Guwahati, Feb 27, 2023
- Incessant cyber attack on indian digital infrastructure & cyber defence engineering resourcing crisis, **Dr Balaji Venketeshwar**, Cyber Defense Researcher, Cyber Vidyapeeth Foundation, Feb 28, 2023
- The co-evolution of humans, climate, water, earth and biota: the next chapter?, **Prof Upmanu Lall**, founding director of the Columbia Water Center, the Alan and Carol Silberstein Professor of Engineering, and a senior research scientist at the International Research Institute for Climate & Society, Columbia University, Feb 28, 2023
- Modernism's totalities: from the Marquis de Sade to Titus-Carmel, **Prof James Martell**, associate professor, Lyon College, USA, Feb 28, 2023
- Fulbright fellowship opportunities for study, research, and teaching in the US, **Dr Gayatri Singhal**, Indian programme manager, United States-India Educational Foundation, New Delhi, Mar 01, 2023
- The path to zero: protecting people and the planet through investment and innovation, **Mr Mahesh Ramanujam**, co-founder, president & CEO, Global Network for Zero, Mar 02, 2023
- Rehabilitation robotics and improving everyday human functions, **Prof Sunil Agrawal**, professor, Mechanical Engineering and professor, Rehabilitation and Regenerative Medicine, Columbia University, Mar 06, 2023
- Cancer immunotherapy: the magic bullet?, **Dr Bhavani Shankar**, head, Immunology Section, Radiation Biology & Health Sciences Division, BARC, Mar 06, 2023
- Biotech-pharma – challenges of drug discovery and development, **Dr Simon Best**, Chairman, Edinburgh Bioquarter, Mar 06, 2023
- Circular engineering approaches for environmental management, **Prof Brajesh K Dubey**, professor, Circular Engineering, Department of Civil Engineering, and chair, School of Water Resources, IIT Kharagpur, Mar 09, 2023
- On cohen-macaulay posets of dimension 2 and permutation graphs, **Dharm Veer**, Mathematics, IIT Gandhinagar, Mar 13, 2023
- Time to talk about mental health, **Percy Cardozo**, Psychologist and Project Lead, Sangath, a not-for-profit mental health organisation headquartered in Goa, Mar 14, 2023
- Precarity, politics and labour: between Odisha and Surat, **Sandeepan Tripathy**, PhD student, National University of Singapore, Mar 15, 2023
- Monster soup and floating bubbles: cartoonists' response to health crises from the time of Miasma to the COVID pandemic, **Argha Manna**, artist-in-residence, IIT Gandhinagar, Mar 16, 2023
- Nanoscale structure and elasticity of nucleic acid nanostructures, **Prof Prabal Maiti**, professor, Center for Condensed Matter Theory, Physics Department, IISc Bangalore Mar 17, 2023
- Women in ISRO: my journey and experiences, **Dr Parul Patel**, scientist 'G' and group director for Research, Outreach, and Training Coordination Group at Space Application Center Indian Space Research Organization, Mar 18, 2023
- Mental health is your greatest asset in today's world, **Dr Goldy Yadav**, postdoctoral researcher, UC Louvain, Belgium, Mar 18, 2023
- Rheology and microstructure of shear thickening suspensions, **Prof Anugrah Singh**, professor, Department of Chemical Engineering, IIT Guwahati, Mar 20, 2023
- Microbiome and future of personalised healthcare, **Prof Sharmila Mande**, guest professor, Biological Engineering, IIT Gandhinagar, Mar 20, 2023
- Ramanujan's identity for odd zeta values in a general number field, **Soumyarup Banerjee**, postdoctoral fellow, Department of Mathematics, IIT Gandhinagar, Mar 20, 2023
- Development of artificial ion channels to target cancer, **Prof Pinaki Talukdar**, Rahul Bajaj Chair professor and dean of Faculty, Indian Institute of Science Education and Research, Pune, Mar 23, 2023
- The exchanges between South Asia and Southeast Asia, **Dr HDR Bérénice Bellina**, co- editor-in-chief, Asian Perspectives, Mar 23, 2023
- Neither settler nor native: the making and unmaking of permanent minorities, **Prof Mahmood Mamdani**, Herbert Lehman professor of government and professor of Anthropology, Political Science and of Middle Eastern, South Asian, and African Studies Columbia University, Mar 23, 2023
- Multi-proxy reconstruction of human-animal interaction: A glimpse into the subsistence economy in Gujarat during the 3rd millennium BCE, **Dr Kalyan Sekhar Chakraborty**, assistant professor, Ashoka University, Mar 25, 2023
- Patents to products to profits, **Dr Raj Hirwani**, emeritus professor, AcSIR

at CSIR-URDIP, adjunct professor, D S Centre for Entrepreneurship, IIT Mumbai and visiting professor IIT, Dharwad, Mar 17, 2023

- Kautilyanomics for modern times, **Dr Sriram Balasubramanian,** independent researcher, economist, author, columnist, Humanities and Social Sciences, Mar 22, 2023
- Making the digital world trustworthy: IITB TrustLab, **Mr Mukul Joshi,** programme director, IIT Bombay Trust Lab, IIT Bombay, Mar 23, 2023
- Fluid lands: possession and property in the forest fringes, **Prof Maya Ratnam,** assistant professor, School of Arts and Sciences, Ahmedabad University, Mar 27, 2023

LABORATORIES AND FACILITIES

ARCHAEOLOGICAL SCIENCES LAB

The Archaeological Science Lab has facilities for examining archaeological artefacts. A Ceramic Petrology Lab along with a sample preparation unit is also available in the above facility. The thin section preparation machine viz., DiscoplanTS (cutter and grinder) and Labopol-30 (polisher) have been fully functional at ASC. The prepared thin sections/micro-samples can be studied using a polarising microscope (Leica DM-4) and stereo-microscope in the Petrography Lab. In addition, the archaeological research takes extensive help from the equipment such as XRD, XRF, FTIR and SEM that are available in the Central Instrumentation Facility (CIF). The chemical analysis can also be performed using Q-ICPMS and ICP-OES under CIF. The ASC also collaborates with faculty from other disciplines, and related equipment like Ground Penetrating Radar (GPR), laser scanners, and metallurgical microscopes are used in various archaeological researches.

BIOLOGICAL ENGINEERING

The Discipline of Biological Engineering at IIT Gandhinagar opened its doors in 2012 with a small group comprising 1 faculty member and 2 PhD students. We have since made great strides and currently host 11 core faculty members, a number of associated faculty members from other disciplines, a diverse group of PhD and MTech students and several talented postdoctoral researchers. Research interests of our discipline members include fundamentals of cell and molecular biology, biochemistry, cancer biology, neurobiology, DNA nanotechnology, biomedical imaging, computational biology, plant developmental biology, allograft therapy and biomaterials and structural biology. Our faculty members are also associated with the Centre for Cognitive and Brain Sciences and Centre for Biomedical Engineering.

The Biological Engineering laboratory facilities include the Molecular and Cellular Biology Facility (MCBF), Cell Culture Laboratory (CCF), C Elegans facility, Crystallization Laboratory, Microbiology Laboratory, Proteomics and Peptide Synthesis (PPSF) facility, Medical Ultrasound Engineering (MUSE) Lab, Stem Cells and Tissue Engineering Lab, Plant Molecular and Developmental Cell Biology lab (in process), Biomaterials and Drug Delivery Engineering lab (in process); and DNA sequencing and analysis facility

MOLECULAR AND CELLULAR BIOLOGY FACILITY (MCBF) is home to various research activities in biochemistry, molecular biology and cell biology. This laboratory is equipped with shaker incubators,

laminar flow hood, sonicator, refrigerated centrifuges, ultracentrifuge, gradient thermocycler, gel documentation system, water purifiers, ultra-low and low-temperature freezers, real-time thermocycler, nano-drop UV-vis spectrophotometer, ultra microbalance, multimode microplate reader and fast protein liquid chromatography (FPLC) system with various columns.

CELL CULTURE LABORATORY (CCF) has three cell culture labs (One lab BSL2+) equipped with biosafety cabinets, CO_2 incubators, centrifuges, automated cell counter, UV crosslinker, sonicator, liquid nitrogen cryopreserver, inverted epifluorescence microscope and a multimode microplate reader with alpha-screen assay capabilities for high throughput assay applications.

C ELEGANS FACILITY is a BSL-1 facility which is equipped with bio-safety cabinet, laminar airflow, CO2 incubator, freezers, thermo-mixer, autoclave, refrigerated shakers and centrifuges, liquid nitrogen tank, microinjection scope, fluorescent stereo-zoom microscope and basic stereo-microscopes.

PROTEOMICS AND PEPTIDE SYNTHESIS FACILITY is a mass spectrometry facility dedicated to the characterisation of proteins and peptides. The facility is home to MatrixAssisted Laser Desorption Ionisation-Time of Flight Mass Spectrometer (MALDI TOF/TOF MS) equipped with software for full mass characterisation, sequencing, PTM identification, comparative proteomics and polymer analysis. Peptide synthesis related equipment and other sample preparation instruments are also available such as analytical-cum-preparative HPLC, fume hoods, microwave based peptide synthesiser, lyophiliser, manual SPPS setup, centrifuges, refrigerators and freezers.

CRYSTALLISATION LAB is equipped with a crystallisation incubator and stereo-microscope.

MICROBIOLOGY LAB is a BSL-2 facility that is equipped with laminar airflow and incubators

MEDICAL ULTRASOUND ENGINEERING (MUSE) LAB is equipped with instrumentation dedicated for innovating in tissue characterization and elasticity imaging, molecular and contrast enhanced imaging, ultrasound-mediated therapy, acoustic metrology and sensing, and tissue-mimicking phantoms for imaging and therapy. The facility has a programmable research ultrasound imaging system and equipment for generating and sensing ultrasound fields ranging from 1 to 35 MHz, which include an ultrasound beam mapping and calibration system, ultrasound transducers, hydrophones, pulser-receivers, arbitrary waveform generators, digital and mixed signal oscilloscopes, and power amplifiers. The lab also includes workstations with GPU and a tissue-mimicking gel phantom fabrication area with standard wet lab equipment, a vacuum oven, a fume hood, and a calibrated tissue-mimicking phantom.

The MUSE lab contains a programmable research ultrasound system that has hardware and software technologies that provide direct access to raw ultrasound data, while preserving the ability to perform high-quality real-time imaging with custom software, at clinically useful imaging frame rates. This system is designed to provide the researcher/developer with broad flexibility in defining each of the system's functional components, using familiar and powerful software interfaces based on common programming environments, such as MATLAB® and C++. Researchers can conceive, implement, and evaluate new approaches to ultrasound imaging and ultrasound therapy monitoring or delivery using such a system.

STEM CELLS AND TISSUE ENGINEERING LAB has BSL1+ facilities to handle mesenchymal stem cells and primary cell culture including tissues. The lab includes a cell room which has two biosafety cabinets, a CO_2 incubator and vacuum facilities. The sample preparation room within the stem cells room includes molecular biology facilities like weighing balance, pH meter, stirrer, PCR machine, a small microscope and gel apparatus.

PLANT MOLECULAR AND DEVELOPMENTAL CELL BIOLOGY LAB, is interested in understanding the cellular signalling events essential for successful pollination. We focus on early pollen-pistil interactions that occur during compatible and self-incompatible pollinations. The main focus of our work is to improve crop yield by discovering the key molecules involved in plant reproduction. We also do translational research in our lab like using gene editing techniques for improving oil quality in peanuts and developing new nanomaterials from plant sources for biological applications. The laboratory facilities include PCR machines, shaker incubators, laminar flow hoods, electrophoresis units, UV transilluminator, micro- and mini-centrifuges, pH metre, heat blocks, dissection microscopes, epifluorescent microscope, plant growth chambers etc.

BIOMATERIALS AND DRUG DELIVERY LAB is the integral part of Biological Engineering Discipline, IIT Gandhinagar. Working at the interface of medicine, biology, chemical synthesis, and materials science

our highly interdisciplinary and collaborative research focuses on the solving of a wide range of significant medical problems including, joint-disorders (inflammatory and join-degenerative diseases), cancer, microbial infections, chronic-diabetic wounds, auto-immune disorders, and allograft-rejections. Our goal at IITGN is to explore the potential of next-generation biomaterials to develop the translational affordable healthcare technologies to address the urgent unmet clinical needs. The facilities include the facilities/ instrument helpful in the synthesis of materials, characterizations, anti-bacterial, and mammalian cell culture. These include DLS/zeta, shaker incubators, laminar flow hoods, FT-IR, CO_2 incubator, rheometer, centrifuges, pH metre, heat blocks, probe sonicator, NIR-laser, rotavapor, plate reader, etc.

DNA SEQUENCING AND ANALYSIS FACILITY: This facility is equipped with a MinION DNA sequencer from the Oxford Nanopore Technology. This platform is capable of generating long reads and is being used for genomic and epigenomic analyses that help us understand functions of genes such as CGGBP1, chromatin biology and genetic mutational events relevant in tumorigenesis. The usage of this facility has generated many pipelines for determination of DNA-protein interactions using ChIP, regulation of the chromatin structure and function, somatic mosaicism and epigenetic marks such as cytosine methylation using MeDIP.

FLOW CYTOMETER HIGH-END CELL SORTER: The BD FACSAria Fusion flow cytometer high-end cell sorter provides a powerful, sensitive and unmatched technique for monitoring different populations of biomolecules and cells within immensely heterogeneous mixtures. The instrument uses three solid-state lasers for simultaneous measurement of 11 parameters (13 including forward and side scatter). Both components of the instrument namely the fluorescence/scattering analyzer and the cell sorter are housed within a single unit that does not require any custom alignment of optics. The instrument is capable of performing routine applications including cell cycle analysis, cell viability assay and immunophenotyping as well as high-end applications such as cell sorting and membrane potential measurements. The instrument will benefit a vast range of research projects at IITGN covering medicinal chemistry, drug delivery systems, nucleic acid biochemistry, membrane biology, protein-nucleic acid interactions, biomaterials development, nanomedicine and toxicology. The distinctive capabilities of the instrument cannot be matched by any other single instrument or even a combination of experimental approaches.

BIO-AFM: Bruker Nanowizard Sense AFM was procured and has been operating since March 2022. The key feature of this AFM is that the Bio-AFM is coupled to fluorescence microscopy and it has phase imaging, contact imaging, force mapping, and all the other related modules for complete single molecule imaging setup. Bio-AFM is coupled to a Leica epifluorescence microscope with all four colour imaging. It is useful for solution-based imaging in which membranes, cells etc can be imaged simultaneously in fluorescence and AFM mode. Live events like protein folding, aggregation and self-assembly can be viewed. Cell and tissue imaging is also possible. Both dry and liquid forms of samples like biomolecules, purified and free from salts can be imaged at good resolution. Both dilute and concentrated forms of the samples can be analysed.

CHEMICAL ENGINEERING

Chemical Engineering at IIT Gandhinagar is a mix of traditional chemical engineering as well as the upcoming areas such as nanotechnology, nanobio engineering, soft matter science, advanced materials, computational chemical engineering, pharmaceutical engineering, and environmental engineering & sustainability. The discipline offers BTech, MTech and PhD programmes and carries out multiple research projects from various funding agencies, including Industries.

Chemical Engineering has designated undergraduate labs. In addition, most of the UG students access the research labs to work on research projects. Students of the discipline have access to various simulation tools such as ANSYS, STAR-CCM, AspenTech suite, and MATLAB. Besides this, the discipline is equipped with the following research laboratories actively involved in different areas of research in undergraduate and graduate programmes:

COLLOIDAL ENGINEERING LABORATORY: The laboratory is involved in active research in nanoparticle synthesis, crystallisation, drug polymorphism, and microbubble engineering for pharmaceutical and biomedical applications. The lab has a probe sonicator (Sonics VC 505), a particle size analyser (Beckman Coulter LS 13320) for measurement of particle sizes in the range of 40 nm - 2 micron and particle sizing systems (PSSS) zeta analyser (NICOMP380 ZLS) for estimation of zeta potential of aqueous suspensions of nanoparticles, Martin Christ freeze dryer (Alpha 1-4 LD plus and Alpha 2-4 LSC, Martin Christ, Germany) high-pressure vessel (operating conditions: 200 bar, and 100o C), particle size analyzer (PSS NICOMP Accusizer 780 AD), optical microscope (NIKON TS 100F), high-speed camera (Photron Europe, Model:

FASTCAM Mini), in- situ Raman probe (Kaiser USA, Model: RXN-1 785), solution calorimeter (Paar USA, Model: 6755EE), water bath, glass jacketed reactor, clean bench cabinet, computer workstation, etc.

SOFT MATTER SCIENCE AND ENGINEERING LABORATORY: The lab carries out experimental research in stress and strain-controlled rotational rheometer, optical microscope, instruments for colloidal characterisation. The equipment in the lab are; rheometer, optical microscope, tensiometer, refrigerated and heated circulatory bath (Model: IC301-K3), DLS and Zeta potential measurement instrument (Brookhaven), refrigerated tabletop centrifuge, a computer workstation with servo stabiliser.

DRY PROCESS TECHNOLOGY (DRYPROTECH) LABORATORY: The laboratory works on fine particles and powder materials. The state-of-the-art DryProTech Lab has several sophisticated instruments such as surface energy analyser (inverted gas chromatography), simultaneous TG-DSC from Netzsch, FT4 powder rheometer (Freeman Technology), laser diffraction particle size analyser (CILAS) for characterisation in dry and wet mode. In addition, the lab is equipped with V-blender and cone-mill (Prism Pharma), humidity- controlled glove box and Faraday cup with electrostatic charge measurement facility, planetary ball mills, furnace chamber, tube furnaces, catalytic reactor to study the performance of catalyst powders, etc. The Lab also includes a skid-mounted fabricated CO_2 capture set up which can handle a few grams of samples for CO2 sorption study.

FIRE RESEARCH LABORATORY: The laboratory is exploring new technology for fire suppression and fire-retardant materials using various new materials. The Laboratory has a cone calorimeter (FFT, UK; Model: iCone mini), which is considered the most significant bench-scale instrument in fire testing. This apparatus has been adopted by the International Organisation for Standardisation (ISO 5660- 1) for measuring heat release rate (HRR) of materials under incident heat flux. The specimen can be exposed to a maximum of 100 kW/m^2 heat flux. This device analyses the combustion gases and measures the smoke produced from the test specimen along with its time to ignition and mass-loss rate. The data collected from this bench-scale test can be used for fire modelling, prediction of real-scale fire behaviour, pass/fail tests etc.

POLYMER ENGINEERING RESEARCH LAB (PERL): The laboratory is involved in both experimental and computational work in the areas of self-oscillating chemical reactions, shape memory polymers, smart soft materials, polymer processing, polymer gels and composites and pattern formation. The laboratory is equipped with computational facilities including state-of-the-art workstations and access to high-performance clusters. The experimental facilities include lyophilizer (Martin Christ, Alpha 2-4 LSC Basic) for freeze-drying, centrifuge, refrigerated and heated circulating cooling bath (IC 301- K3), bath sonicator, magnetic stirrer (with temperature sensor), vacuum pump, clean bench cabinet etc. We are in the process of procuring a polymer extruder/mixer for polymer blending polymers in pellets or powdered form, hot press machine and a gel permeation chromatography instrument.

COMPUTATIONAL RATIONAL DESIGN LABORATORY: The laboratory is involved in developing computational methods to rationally design solid materials that show desired response to the process-conditions. The laboratory is equipped with four high performance computer workstations that are used to perform simulations at the molecular and nano scales. The workstations are equipped with the software to perform molecular dynamics and Monte Carlo simulations of biological and artificial systems, and equipped with graphics processing units (GPUs) for the visualisation of simulation-results. The workstations are also used to develop and test the computer programs used to perform advanced Monte Carlo simulations.

CRTDH LAB: The CRTDH Lab is one of the state-of-the-art facilities for chemical process and wastewater related research. The laboratory is equipped with sophisticated instruments like inductively coupled plasma - mass spectrometry (ICP-MS), optical emission spectrometry (ICP-OES) for elemental analysis, total organic carbon (TOC) analyser for carbon content, multi-mode plate reader for microbial studies, fluorescence spectrometer and UV-vis spectrophotometer for determining optical properties of products and raw materials, high-performance thin-layer chromatography (HPTLC) for compound identification, gas chromatography for gas analysis and spray dryer for liquid to solid processing in the powder form, quick COD and fermenter, centrifuge machine etc. The facility also has water quality testing facilities like biological oxygen demand (BOD), chemical oxygen demand (COD), total bound nitrogen (TNb) and total dissolved solids (TDS).

PILOT PLANT FACILITIES: The discipline also has a pilot plant facility equipped with several set ups for process scale-up. Some of the equipment available in the facility are 20 L distillation column (glass), high

pressure reactor, Rotating disc extraction column (glass), 1100 L SS Reactor (Teflon coated) with agitator, 50 L jacketed reactor with heating and cooling arrangement, SS 316 Basket Centrifuge, Spray dryer, NI DAQ, 30 L Teflon coated two stage SS reactors, 1000 L skid mounted STP plant, Skid for Membrane Distillation and Forward Osmosis (FO), 1 kL MBR Plant, Reverse Osmosis set up (~10 LPM flow rate) for TDS reduction, 5 L sequential continuous stirred tank reactor, 1000 L HDPE tank, 150 L Glass Line reactor, 22 L Photobioreactor. Facilities are also open for industry partners.

SMART MATERIALS LABORATORY: The Smart Materials Laboratory (SML) is exploring integration of technologies from Chemical Engineering, Materials Science and Electronics & Communication to provide advanced solutions for multidisciplinary projects. The SML is committed to gaining a comprehensive understanding of the fundamental science behind the behaviour of materials at varying conditions. By leveraging the unique properties of materials, SML is striving to create innovative devices for sensing applications such as wearable electronics, biosensors, controlled farming, and microfluidic device fabrication technologies.

GREEN CATALYSIS (GC) LABORATORY: The GC lab focuses on catalyst design guided by in situ spectroscopic techniques along with kinetic studies. We aim to develop "green" catalysts that use environmentally benign reactant for production of value-added chemicals and fuels. A detailed mechanistic understanding of various heterogeneous reactions is developed using various batch and continuous reactors. Moreover, we are equipped with tools for nanoparticle synthesis, characterization, and kinetic studies. Currently, we are in the process of establishing a facility with a flow reactor connected to a Mass Spectrometer to collect time-on-stream rate data.

CHEMISTRY

The Chemistry discipline's laboratory is equipped with state-of-the-art facilities for a variety of teaching and research activities for undergraduate and postgraduate students. Fume hoods equipped with Schlenk lines cater to a large segment of wet chemical synthetic work. The discipline also has a glovebox for performing chemical reactions under an inert atmosphere. The sophisticated instruments in the institute include 500 MHz NMR, Synapt G2S ESI-Q-ToF mass spectrometer, scanning electron microscope (SEM), atomic force microscope (AFM), MALDIToF and a single-crystal x-ray diffractometer (SCXRD). The research instruments consisting of cyclic voltammeter,

a circular dichroism spectrometer, BET surface area analyser, isothermal titration calorimeter, fast protein liquid chromatography, TGADSc, gas chromatography, FTIR spectrophotometer, UV-Vis instruments (with reflectance accessory and 8-cell Peltier unit), analytical HPLC, spectrofluorometer with Peltier cooling, polariser and solid-state accessories are used both for teaching and research. The discipline also has state-of-the-art optical microscopy setup capable of imaging single molecules and nanoparticles in confocal and wide field detection. Instruments such as an EMCCD camera and advanced gas chromatography are being procured. Preparatory high-performance liquid chromatography (Prep-HPLC) has been procured to purify peptides and charged small molecules with high purity and quantity for biological studies. Moreover, a flow cytometry instrument has also been acquired to detect and sort fluorescently labelled single cells. This flow cytometer is also highly useful to detect cells in different apoptotic states. A multi-angle dynamic light scattering (MADLS) has also been procured that can measure the size and surface charge of the nano/micro particles with high precision from microliter volume. A Multi plate reader is also installed to screen the small molecules with high throughput inside the cells. A C3- high pressure homogeniser has also been installed. These instruments have significantly enhanced the discipline's capabilities in interdisciplinary areas covering chemistry, biology, material science and nanophotonics

Recently, we procured Lenovo ThinkSystem SR860 V2 which is a rack-mountable GPU-capable server with 4U chassis. The server has Intel Xeon Platinum 8380H processors, 512 GB DDR4 (2933MHz) memory, and 64 TB disk space. The system is configured with CentOS 8, and several applications are compatible. The server is expected to provide significant resources for high-performance quantum mechanical simulations.

CIVIL ENGINEERING

The Civil Engineering discipline has developed laboratories in the areas of structural engineering, geotechnical engineering, water resource engineering and surveying/ GIS.

STRUCTURAL ENGINEERING LABORATORY: The Structural Engineering laboratory has the following material testing facilities for UG students: standard consistency, initial/final setting time of cement paste; soundness of cement; bulking of sand; slump test for workability of concrete; compaction factor test; vee bee consistometer test; specific gravity of cement; fineness of cement; fineness modulus, specific gravity, bulk density of fine/coarse aggregates; elongation and flakiness index of coarse aggregates; aggregate impact

value; aggregate abrasion value (Los Angeles test); compressive strength 73 of cement cube and mortar cube; compressive strength of concrete cube (as per nominal mix); compressive strength of concrete cube (as per mix design); compressive strength of concrete by ultrasonic pulse velocity test; compressive strength of concrete by rebound hammer; finding of air content in concrete; concrete penetration resistance; penetration depth of bitumen; flash & fire point of bitumen; viscosity of tar; efflorescence of brick; water absorption of wood; viscosity of paint; fineness of paint. The laboratory also houses advanced conditioning and testing equipment such as a 300 ton compression testing machine, autoclave, medium-sized furnace, steam chamber, concrete screw pump and efficient concrete scanner device for structural analysis and to locate embedded objects in multiple layers with maximum detection depth for object localisation: 300 mm.

GEOTECHNICAL ENGINEERING LABORATORY: The Geotechnical Engineering laboratory is equipped with high-end research equipment along with basic soil testing. The soil dynamics laboratory is equipped with large (earthquake) and small strain (vibratory) testing. Large strain dynamic loading: cyclic triaxial test setup (0.01 - 2 Hz, strain controlled); electro-mechanical dynamic triaxial test setup (0.01 - 10 Hz, stress and strain controlled, K0, stress-path, user defined waveform, 10000 cycles running capability), cyclic simple shear setup (0.001 - 5 Hz, stress and strain controlled) to evaluate liquefaction, shear modulus & damping ratio of soils up to 10,000 loading cycles. Small strain dynamic loading: bender element system to determine shear modulus under K0, stress path, isotropic, UU, CU, CD compression and extension loading conditions. Shear strength facility consists of direct shear setup for cohesionless soils, unconfined compression (UC) test for cohesive soils, vane shear test for soft soils, and triaxial setup with DAQ and analysis software for all soil types. Pore pressure and volume change measurement facilities are available for compression/extension loading (UU, CU, CD tests), K0 consolidation and stress path testing. Large direct shear setup is also available to study the interface behaviour of various types of geosynthetics soil system. Dew point potentiometer is available to determine total suction (0 - 300 MPa) of fine-grained soils, conventional tensiometer for coarse-grained soils, and filter paper setup for matric suction of all soil types. The facility includes falling and constant head devices for the permeability of fine and coarse-grained soils, four 3-gang oedometer (1D consolidation) setup, proctor setup, CBR for the strength Lof subgrade soil, sieve shaker, hydrometer, Atterberg limit (LL,PL,SL), swell pressure, specific gravity, relative density, core

cutter, sand replacement, muffled furnace (900oC) for organic matter evaluation, optical and digital LCD microscopes. The field testing laboratory has plate load test of 300 kN capacity with motorised anchoring system, standard penetration test (SPT), dynamic cone penetration test (DCPT) with automatic freefall hammering system, vibratory plate compactor for field compaction, field permeability setup, ground penetrating radar (GPR) with monostatic and bistatic operations facilitated with antennae of frequencies 100 MHz, 400 MHz with the bistatic operation and 200 MHz and 900 MHz with the monostatic operation including 20-80 multi frequency antenna, multichannel analysis of surface waves (MASW) setup with the provision of Seismic Refraction/Reflection Survey and Downhole/Crosshole tests. The following equipment were developed in the laboratory: multiaxial cubical device with flexible boundary system along with real-time feedback control system capable of conducting true-triaxial and plane strain testing of soils, constant rate of strain (CRS) consolidation setup, slurry consolidation setup for preparing the remoulded specimens of fine grained soils.

WATER RESOURCES ENGINEERING LABORATORY: The Water Resources Engineering laboratory has the following equipment for teaching purposes: a hydraulic bench, pitot tube, Reynold's apparatus, sharp-crested weir (notch), Bernoulli's apparatus, venturimeter and orificemeter, nozzle meter, hydraulic tilting flume, basic hydrology apparatus, free and forced vortex flow apparatus. In addition to the above, a river tray having levee breach facility, an automated hydraulic tilting flume and a piping system to study transients are being used for research purposes. A 3D velocity measurement device, Acoustic Doppler Velocimeter, is used in the flume experiments.

SURVEY AND GIS LABORATORY: The Survey and GIS laboratory has been developed with the procurement of various high-end survey equipment and GIS software. Survey equipment includes advanced integrated surveying kit which consists of kinematic GPS, robotic total station and related field and office software. It provides a common file and user interface to GPS and total stations that complement each other. Integrated surveying provides a platform where GPS techniques can extend a total station survey without the need for extensive traversing. Besides this several total stations, auto level, digital level and handheld GPS are also procured, which will be used in addition to the advanced integrated surveying kit. Multiuser ArcGIS Info kit is procured to carry out GIS analysis in teaching and research activities. ArcGIS package will add the pre-existing image processing software for handling the satellite data.

COGNITIVE SCIENCE

The Cognitive Science Laboratory at IIT Gandhinagar houses multiple state-of-the-art research facilities and equipment. Using these research facilities, it has been possible to address research questions that combine brain mechanisms with the study of human cognition. The details of the research facility are given below,

EYE-TRACKING: The eye-tracking facility includes a Tobii TX 300 eye-tracker and comes with the Tobii Studio™ eye tracking software. This is a state-of-the-art eye-tracking facility that can collect data pertaining to saccades, correction saccades, fixation duration, pupil size, and blinks. The facility also includes the Tobii toolbox, which supports data collection using MATLAB, thus minimising the use of Tobii studio for experimental design. Support is also available for E-Prime through extensions from Tobii.

HIGH-DENSITY   ELECTROENCEPHALOGRAPHY (EEG): A high-density EEG system is available with 128-channel Geodesic sensor nets that are saline-based for quick application to participants. The system is integrated with E-Prime and MATLAB for stimulus presentation. NetStation software is used for recording and processing the data. The data can also be exported to open-source and popular processing toolboxes such as EEGLab in MATLAB. The software capabilities include an AmpServer Pro licence for the real-time sampling of raw data up to 8 kHz for brain-computer interfacing applications. The EEG system has now been set up for simultaneous eye tracking and EEG recordings.

BRAIN STIMULATION: The facilities include a Transcranial Magnetic Stimulation (TMS) system for non-invasive stimulation of the brain. The TMS system is coupled with a neuronavigation system which can use the MRI scan of a participant for precise targeting of single or repetitive magnetic pulses to localise brain regions of stimulation. Transcranial Direct Current Stimulation (tDCS) is used for non-invasive stimulation of the brain by using a small direct current across the scalp to modulate brain function. Even extremely low-level currents may simultaneously increase the brain's activity near the anode and decrease the activity near the cathode.

ROBOTIC SYSTEM: The bilateral Kinarm end-point robot is a stiff, graspable robot that ensures simultaneous control of both robots for comparison of inter-arm performance and the study of bimanual coordination.

DIGITISING TABLET: GTCO CalComp digitising tablet records the endpoint arm movement. It has a functional area of 36 x 24 cm and records the movement of the stylus on the surface of the tablet. It can record the stylus movement at the rate of 60 Hz.

MOTION CAPTURE SYSTEM: This custom system uses electromagnetic sensors (Ascension trakStar, Northern Digital) to record arm movements made in the horizontal plane. It is interfaced with the motion monitor (Innsport, Chicago, IL) as well as autonomously developed software to provide a virtual reality environment, which enables the recording of arm motion data under a variety of different task conditions. This system can be integrated with a range of external devices including EMG, EEG, and TMS equipment, which allows quantification as well as disruption of neural activity during arm motor tasks.

BEHAVIOURAL CUBICLES: Currently there are three behavioural cubicles that house computers that support behavioural data collection. The cubicles are sound-attenuated dark rooms. The computers run MATLAB with the Psychophysics toolbox and are used for research on decision making, attention, agency, etc. They also support E-Prime and other software such as Blitz3D. These labs are also used as private spaces for paper-and-pencil tests and questionnaires that require an environment free from external interference. The lab features an additional survey room with multiple participant seating. Two additional cubicles are dedicated for psychophysiological experiments with a high refresh rate monitor and adjustable lighting.

PSYCHOPHYSIOLOGY LAB: The wireless physiology-based data acquisition system (Biopac Systems Inc) facilitates real-time data acquisition of physiological signals such as ECG, EMG, and EDA and provides excellent signal quality with the digital transmission with a high resolution of 16 bit and at high speed up to 400 kHz aggregate. The system is compatible with the virtual reality-based programming platform Vizard from WorldViz Inc.

MULTISENSORY LAB: The lab features research facilities for sound-attenuated testing of active noise cancellation equipment with surround-sound speakers. The lab features a driving simulator that was built completely inhouse.

TACTILE PERCEPTION LAB: The lab features custom built Arduino-based devices supplemented by 3D printing for conducting psychophysics experiments for texture discrimination, wetness perception, and tactile stimulation with piezo electric vibrators.

EARTH SCIENCES

Earth Sciences at IITGN envisions holistic understanding of the Earth system through multidisciplinary studies of its major components like lithosphere, hydrosphere, atmosphere and biosphere, and their interactions at different spatiotemporal scales. We are dedicated to conducting research and experiments not only related to the study of these spheres but also the processes that govern them. At IIT GN, we currently have two Earth Science labs – lab 1 and lab 2 that are home to various multi/interdisciplinary projects activities starting from contaminants fate and transport study combined with hydrogeochemical modelling, nanoparticle synthesis and their further environmental applications, "waste to wealth" technology, wastewater based epidemiology, sustainable utilisation of geotechnical materials, Earth surface processes and tectonic geomorphology, carbonate sedimentology, and geodynamics. These labs are hubs of several international and national collaborative projects funded by noted funding agencies (such as MHRD, SERB, DST, DST-UKIERI, INSPIRE, MOES, MOEF;CC, KPCSD, GSBTM). The lab also promotes public/private partnership through several tailor-made consultancy projects/services.

EARTH SCIENCE LAB 1 is equipped with basic and sophisticated research facilities /equipment to conduct elementary and advanced levels of water and soil chemistry. It aims to address the environmental maladies and provide a scientific sustainable solution to society at the grassroots level. Earth Science laboratory has several experimental setups to assist research from macromolecular level to ultra-trace level with the help of different instruments such as Ion-Chromatography (IC), Hanna (HI7698194) multiparameter pH/EC/DO probe, High purity milli-Q grade water (18.2 MΩ cm–1, Milli-Q® Direct 8) purification system, laminar flow hood, desiccators, biological safety cabinet, incubator, refrigerator, ultracentrifuge, electric muffle furnace, hot air oven, mechanical mixture, sonicator, hot plate, temperature-controlled magnetic stirrer, autoclave, portable pH and conductivity meter and Thermoscientific ion selective electrodes. Recently auto sampler for ion Chromatography, ADCP with GNSS Receiver and Remotely Operated Integrated Floating Device (Boat) for Hydrographic Survey, table top circular flume for sediment erosion modelling, carbide seats and CBN Seats, filtration unit, programmable muffle furnace, and drones have also been added. The lab is a true example for multidisciplinary studies, as the Masters and PhD research work.

EARTH SCIENCE LAB 2 includes a sample preparation facility to be analysed in major instruments. Earth Science lab aims to prepare dry as well as wet samples. The lab is equipped with rock crushing and grinding facility, sieving, hand-held strong magnetic separation, ultrasonic cleaning and leaching of sand grains and chemical analysis through fully functional fume hoods for normal and HF analysis.

Furthermore, the Earth Science discipline has started to develop a CORE lab, which currently hosts cores that are used for teaching as well as research related to paleoclimate and subsurface reservoir studies. The lab currently has a core plugging machine, and a hand-held drill (with a maximum penetration up to 9 m).

Most of the questions being investigated in Earth Sciences require field work. At IITGN the Earth Science Discipline is currently working in large parts of the Indian sub-continent specifically along various River systems including Ganga, Yamuna (amongst several others), as well as Basalts in Gujarat and Maharashtra, hot springs in Ladakh, and modern carbonates in Lakshadweep and Andamans.

ELECTRICAL ENGINEERING

The Electrical Engineering discipline currently offers five undergraduate laboratory courses and a basic laboratory course to students of other engineering disciplines. The Electrical Engineering laboratory is equipped with standard test and measurement equipment such as digital storage oscilloscopes, dual-channel arbitrary function generators, digital multimeters, LCR meters, multi output DC regulated power supplies, four channel digital power scope, eight channel ScopeCoder, source and measurement units, precision magnetic analyzer, RF spectrum analyzer, AC and DC digital power meters. The research facilities of the discipline are housed in specialised laboratories as described below.

WAFER CHARACTERISATION LABORATORY: The Wafer Characterisation Laboratory currently houses a 6" wafer probe station, a semiconductor parametric analyser (with 6 SMUs, 1 LCR meter, 1 pulse unit), a power device analyzer, a 20 GHz vector network analyzer, a dynamic signal analyzer, a low-noise current preamplifier, ICCAP modelling software and set-up to measure packaged devices. This lab will have another probe station (8" with temperature range from -60 to 300 degC) and 43.5GHz vector network analyzer by the end of this year.

NANODC LABORATORY: The Nano Devices and Circuits (NanoDC) Laboratory is primarily used for analog/digital VLSI design and semiconductor device-related research. The laboratory is equipped with

multi-user licences for Cadence, Mentor Graphics, Synopsys, Xilinx ISE tools and GTS TCAD tools. The laboratory is also equipped with a high-end FPGA board: Xilinx Virtex Ultrascale + FPGA VCU118 Evaluation Kit. Apart from this, the lab has other computational resources including an 80-core server, multiple workstations and machines that host the CAD tools.

POWER SYSTEMS AND SMART GRID LABORATORY: The lab is equipped with a fully digital real-time power engineering simulation platform consists of Opal-RT (OP4508 F11-3+1) real-time digital simulator - OP5600 and customised modular hardware and firmware for hardware-in-the-loop (HIL) and rapid control prototype (RCP) studies in power systems and smart grid related research activities. The lab is also equipped with power systems simulation tools – DIgSILENT PowerFactory, CYMDIST and GAMS software.

INTELLIGENT REHABILITATION AND AFFECTIVE COMPUTING SYSTEMS LABORATORY: The Intelligent Rehabilitation and Affective Computing Systems Laboratory owns five systems for which patent has been applied (i) SmartEye for diagnosis of cognitive impairment, (ii) Instrole for characterization of one's gait, (iii) SwasTi which is AI enabled walking stick to prevent freezing of gait (FOG) in people with Parkinson's disease, and (iv) OnCallDoctor system for noninvasive measurement of various physiological parameters of the human body and (v) PTreadX which is a physiology-sensitive treadmill assisted VR-based Gait Exercise Platform. In addition, this research lab is equipped with a split-belt treadmill platform, remote and wearable eye-trackers, Biopac for physiological data acquisition, haptic devices, EEG data acquisition, Transcranial Electrical Stimulator, Functional Electrical Stimulator, Cybergloves and VR headset.

COMPUTER VISION, IMAGING and GRAPHICS (CVIG) LABORATORY: The lab houses Faro Focus 3DX330 and Einscan Pro+ laser scanners which are used to scan large structures and artefacts, respectively with 3D printers. The potential applications include digital heritage, shape analysis, and geometric processing. The lab also has coded aperture cameras fabricated with the help of ISROSAC for refocusing and extended depth of field recovery from a single image. The coded aperture cameras can be used with any DSLR to achieve these tasks. Several GPU enabled workstations are used to solve computationally intensive problems involving deep learning for computer vision applications. The lab also will host a human motion capture system for research on human dynamics.

PHOTONIC SENSORS LABORATORY: The Photonic Sensors Laboratory works on applications of near-IR and mid-IR tunable diode laser absorption spectroscopy, photoacoustic absorption spectroscopy, plasmonic nanobiosensing, microbial growth studies and fibre-optic biomedical engineering. The lab is equipped with a large number of mid-infrared quantum cascade lasers (Alpes Lasers), a 1392 nm edge-emitting laser diode (Eblana), 1533 nm edge-emitting laser diode (Toptica), a 100 mW, 4.3-4.7 um) quantum cascade laser (Daylight Solutions), a 1650 nm edge-emitting laser diode (Toptica Photonics), VCSELs (1278 nm, 2004 nm, Vertilas), cooled and uncooled photodiodes. It also has a 50 MHz dual-channel, lock-in amplifier (Zurich Instruments), several laser diode current and temperature controllers (Thorlabs, SRS), an arbitrary waveform generator (Agilent), a 500 MHz, 1 GS/s digital phosphor oscilloscope (Tektronix), a digital delay and pulse generator, (SRS), and a 3 GHz spectrum analyzer (Agilent)

COMPUTATIONAL NANOPHOTONICS LABORATORY:
The Computational Nanophotonics Laboratory investigates the fundamental physics of light interaction with nanostructured materials with an eye towards applications in imaging, sensing and energy harvesting. The myriad applications that the lab investigates include high-resolution and very wide field-of-view microscopes, monolithic integrated ultra-miniature cameras, ultrasensitive non-destructive optical measurement techniques for probing objects and dynamics at the nanoscale, bioinspired sustainable energy harvesting and storage techniques. The lab is equipped with broadband supercontinuum lasers, UV-VIS NIR spectrometers and other tools for characterisation of optical nanostructures and meta-surfaces.

ELECTRICAL MACHINES AND POWER ELECTRONICS LABORATORY: The lab is equipped to carry out research work on design, control and diagnosis of various electric machines. These include transformers, rotating electric machines and power converters. Design and analysis of novel and existing topologies are carried out using 2D and 3D electromagnetic finite element analysis in Ansys Maxwell. Test-setups for experimentation on various rotating electric machine topologies are available in the lab. These include permanent magnet brushless DC motor, permanent magnet synchronous motor and switched reluctance motor. Analysis and modelling of conventional topologies are carried out on a unified test bench that consists of a DC machine, an induction machine and a synchronous machine. Lab is equipped with an eddy current dynamometer to load the motor and obtain the torque waveform. For machine health diagnosis,

precision magnetic analyzer and impulse generator are used for carrying out FRA analysis. Lab facilities also include programmable power supply which is used to generate balanced and unbalanced supply to mimic grid behaviour. The lab has basic power converters and their corresponding controllers and drivers fabricated. These converter topologies allow for the implementation of acdc, ac-ac, dc-ac, and dc-dc conversion.

MEDICAL ULTRASOUND ENGINEERING (MUSE) LABORATORY: The MUSE Laboratory is equipped to conduct research in biomedical ultrasound imaging, therapy, and metrology. The current laboratory inventory includes single-element transducers (1 - 20 MHz centre frequency), High intensity focused ultrasound transducers (2 MHz), An impedance based particle size analyzer, four ultrasound diathermy systems, pulser receivers (1 - 30 MHz) frequency, arbitrary waveform generators (1 - 50 MHz), a RF power amplifier, a programmable ultrasonic data acquisition system, a broadband hydrophone, digital storage and mixed signal oscilloscopes (200 and 100 MHz bandwidths), a motorised 3-axis positioning system, a preamplifier (30 MHz bandwidth), high power stepped attenuator, a programmable power supply, a vacuum degasser, a calibrated tissue-mimicking ultrasound phantom, a dissolved oxygen probe, wet lab equipment (pipettes, a microbalance, hot/ stir plates, an overhead stirrer, and temperature-controlled circulation baths), a custom acoustic attenuation spectroscopy system, and a high-end workstation equipped with GPU capability. The laboratory is equipped for experiments with biological materials and ex vivo tissue.

AUDIO SIGNAL PROCESSING LABORATORY: The primary focus of this laboratory is on the development and implementation of signal processing algorithms for audio devices including active noise control headphones, hearing aids and hearables. The lab houses equipment including Speedgoat Audio Performance Real-time Target Machine, Neumann KU100 Dummy Head Microphone, GRAS 45CA Ear Protector Test Module in addition to audio interfaces, measurement microphones and studio monitor speakers.

MATERIALS ENGINEERING

Materials Science and Engineering (MSE) discipline, renamed as Materials Engineering in 2020 comprises 4 active laboratories namely Metallography lab, Materials Characterization lab, Wafer characterization lab and Bionanomaterials lab. In the Metallography lab, there are a wide variety of manual and automatic polishing machines, abrasive cutting machines,

vickers hardness indenters, optical microscopes, low energy roller, furnace, fume hood and chemical storage for mainly aiding at processing of the materials and specimen preparation. The materials characterisation lab has equipment that can perform surface characterisation (contact angle goniometer, SEM, AFM, profilometer, FTIR), structural characterisation, thermal characterization (TGA, DSC, STA), and elemental composition characterization (AAS, ICP-OES, ICP-MS, and XRF). Wafer characterization lab is focussed on preparation of thin films for optoelectronic applications mainly by sputtering techniques. Bionanomaterials lab is a positive pressure lab (Class 10,000) equipped with instruments to synthesise and characterise (DLS, CPS, Xigo, Hyperthermia) nanoparticles.

The lab also has a cell culture facility to perform preliminary toxicological assays on developed nanomaterials. We recently concluded the installation of our FIST-funded analytical SEM with capabilities of EDS, WDS, and EBSD. The instrument capabilities of Materials Engineering labs are being upgraded continuously by adding new equipment such as Jominy End Quench test, tube furnace, and UV-Vis NIR spectroscopy that have been added this year. A new lab-Materials Processing Laboratory is currently being set up and is expected to have a rolling machine, hot press, tribometer and many fume hoods for processing the materials in their dry and wet states. There are hands-on training and practise sessions for the undergraduate students with the instruments during their lab and project courses. Postgraduate students routinely use these instruments for their research activities. Moreover, an online instrument access system has been devised to enable easy booking of time slots for usage to ensure smooth access to all instruments. The users can find available slots and the respective TA allocated for a particular instrument.

MECHANICAL ENGINEERING

Mechanical Engineering discipline has steadily progressed with its "learning-by-doing" and DIY approaches in several laboratory and project-based courses. Tight integration of project needs with resources at Maker Bhavan further encouraged students to explore alternative solutions for their respective projects or tasks. Resources for holding in-class demonstrations are also being developed in-house or procured. In addition, the facilities and equipment are being continuously upgraded to suit the current needs and remain in compliance with future AMC needs, if any. The induction of new faculty members has also seen an outgrowth of research and teaching labs. The Smart Energy and Thermal

Transport Lab has begun its research and teaching operations this year.

SMART ENERGY AND THERMAL TRANSPORT LAB: The Lab's research objectives intersect the multidisciplinary fields of thermo-fluid sciences, interfacial phenomena, and energy. The aim is to bring about transformational efficiency enhancements in energy (power generation, oil and gas, renewables), water, agriculture, transportation and electronics cooling by fundamentally manipulating heat-fluid-surface interactions across multiple length and time scales. In addition to being an invaluable resource in teaching, the lab's focus on the research front is directed towards both: 1) fundamental study on micro/nanostructured surfaces for phase change and interfacial phenomena, and 2) applied research on devices and systems, including solar thermal energy conversion, energy storage, and high-power density electronics thermal management.

The activities of the lab are primarily geared towards developing a better understanding of the change in wettability due to surface engineering, chemical heterogeneity, and in the presence of liquid-vapour phase change phenomena. These studies are critical for elucidating the underlying physical mechanisms behind fluid and thermal transport relevant to phase change heat transfer applications. For example, hydrophilic surfaces made super hydrophilic due to structuring have resulted in enhancement of boiling and thin-film evaporation heat transfer. Conversely, hydrophobic structured surfaces, i.e. superhydrophobic surfaces have recently shown a promise to push the limits of condensation heat transfer.

SOLID AND FLUID MECHANICS: This year, the Solid Mechanics laboratory has put considerable effort into reviving the Torsion testing facility. Various experimental test set-ups include: 1) bending moments in a beam, 2) shear force in a beam, 3) deflection of beams & cantilevers, 4) bending stress in a beam, 5) unsymmetrical bending & shear center, 6) buckling of struts and 7) continuous & indeterminate beam. These rigs are utilised for in-class demonstrations and student projects with the objective of improving students' understanding. Other facilities include a Charpy impact testing machine of 450J capacity (Mts), 10 and 20-Ton UTM machines, Rockwell and Vickers hardness testing machines (Zwick Roell), and a fatigue testing machine. Strain guages and associated data acquisition systems are also available for a hands-on learning experience by conducting experiments.

The Fluid Mechanics laboratory has setups for conducting fluid statics and dynamics experiments. Several common turbomachines such as gear pumps, centrifugal pumps, Pelton wheels, flow measuring devices, and accessories have also been installed. This year, we have procured additional equipment such as series and parallel centrifugal pumps, hot wire anemometers, surface pressure sensors and digital micro manometers and equipment for visualisation of the flow field to aid the experiments.

MANUFACTURING: The Manufacturing laboratory has facilities such as lathes, milling machines, a vertical machining centre, an electric discharge machine, welding, fitting and tin smithy equipment. It supports courses on manufacturing practices and processes and supports manufacturing activities in integrated design and manufacturing courses. It also serves as a workshop for the fabrication of undergraduate student projects as well as research-related equipment and accessories

CONTROL SYSTEMS: The Control Systems Laboratory is shared between several disciplines and covers a range of experiments that help the students understand both the theory and design aspects of the control system and the implementation aspects. Taking advantage of resources in Tinkerer's lab and within the discipline, most experiments in control systems have transitioned to DIY approaches wherein the students are able to build experiments of varying complexities and implement various control strategies on them. In addition, few test rigs provide hands-on experience with sensors, data acquisition, calibration, stability analysis, PID controller tuning, modelling from experimental data, and root locus-based design to meet performance criteria. This year, the mechanical, electrical, and instrumentation components available for such activities were increased to support this approach.

ENERGY SYSTEMS: The motivation behind the Renewable Energy laboratory facility is to provide a broad range of experimental experience to undergraduate and graduate students in renewable energy. This facility comprises high-quality experimental setups on the wind, thermal and solar energy. This experimental facility includes a thermal energy storage training system, solar concentrator training system, wind energy training system and solar PV training and research system. A fuel-cell test system and a heat transfer experimental module have been procured

ROBOTICS: In recent years, robotics has emerged as an important domain from teaching and research perspectives. Robots, essentially, are programmable

electro-mechanical systems (machines) that require understanding and execution of a number of different disciplines. The process of developing and testing these systems is creating much interest among the students and faculties at IIT Gandhinagar. There are a number of regular and elective courses on offer each year for the students. The student project is an important component of these courses, where the learning-by-doing methodology is adopted. To name a few of these courses:

- Introduction to Robotics - a graduate-level course
- Mechatronics - an elective undergraduate-level course
- Dynamics and Control - a mandatory undergraduate-level course
- Artificial Intelligence - a graduate-level course
- Machine Learning Course - a graduate-level course

In addition to these regular courses, each year IITGN students organise technical events, such as Amalthea and Ignite, where a large number of competitions are based on robotics driven activities. Each year, a great number of students participate in externally organised robotics competitions, such as IIT Bombay e-Yantra, DRDO Robotics and Unmanned Systems Exposition (DRUSE), etc. A total of 12 teams comprising of IITGN undergraduate and graduate-level students are participating in the Robot making competition "Robofest- Gujarat-2019" under the Gujarat Science, Technology and Innovation (STI) Fund

DYNAMICS, VIBRATIONS AND WAVES: The facility currently has state of the art piezoelectric sensors like accelerometers, dynamic force sensors of varying sensitivities and form factors catering to different applications. We have the necessary data acquisition hardware and software for post-processing. We have acquired impact hammers to provide controlled model and structural testing impulses. We have a 1.6kN vibration shaker and 200N modal exciter for vibration testing with dedicated controller hardware and software. We have procured a high-fidelity stroboscope for conducting experiments related to structural dynamics. In addition, we do have high-precision surface plates for mounting experimental setups. We have been using a 2m air track for experiments, and dedicated inertial measurement units (accelerometers, gyros etc.) are available. Undergraduate students (ES321: Dynamics and Vibrations, Fall 2019) have completed their term projects. Graduate students (ES648: Nonlinear Dynamics and Vibrations, Spring 2020) have fabricated experiments as part of their course term project.

PHYSICS

The Physics laboratory is equipped with state-of-the art equipment for conducting experiments at the undergraduate and postgraduate levels. The MSc laboratory consists of several experiments covering topics in optics, solid-state physics, spectroscopy, modern physics, and electronics. Experiments with logic gates enable students to understand the functions of logic circuits as mathematical operators and amplifiers. The undergraduate physics laboratory has experiments covering topics from modern physics, optics, and acoustics. Apart from performing regular experiments in the syllabus, students are advised to pursue short-term projects in groups. This tinkering lab exercise ends with an open-to-all poster session at the end of the semester, during which the students showcase their projects to the IITGN community, and demonstrate their findings.

The research labs in Physics Discipline are involved in state-of-the-art research in the fields of Experimental condensed matter physics and Nanomaterials. Dedicated research facilities have been established to pursue research activities in the areas of Nanomaterials for energy research, Physics of surfaces and interfaces, Growth and characterization of nanomaterials and thin films, Graphene-based nanofluidics/ desalination techniques, Ion/Proton transport, 2D heterostructures, Active matter, Self-assembly and dynamics of colloids at a single-particle resolution, Colloidal Supercooled liquids and Glasses. The experimental facilities both for research as well as for teaching purposes include physical vapour deposition system, chemical vapour deposition (CVD) system, thermal evaporator, UV visible spectrophotometer, spectrofluorometer, quantum efficiency measurement system, optical lithography system, soft-lithography, Langmuir-Blodgett trough, Brewster angle microscope, spin coater, high precision weighing balances, single quadrupole high precision mass spectrometer, optical and high-speed confocal microscopes, rheometer, source-measure units, milli-Q system, plasma cleaner, sophisticated sample storage and centrifugation facilities. The research and teaching facilities are being constantly upgraded to facilitate and encourage research aptitude in students under the overarching vision of creating a centre in the Physics Discipline for interdisciplinary research.

CENTRAL INSTRUMENTATION FACILITY (CIF)

The Central Instrumentation Facility (CIF) has been established with an objective of providing sophisticated characterization services to the researchers within IITGN as well as different academic research institutes, universities, and industries. The CIF houses several high-end analytical instruments such as SEM, XRD, AFM, NMR, LC-MS, MALDI-TOF, ICP- MS & ICP-OES, confocal microscope, single crystal XRD, TEM, advanced analytical SEM, flow cytometer cell sorter and multipurpose XRD. We have recently added a new instrument, Bruker Nano wizard Sense AFM (Bio-AFM) capable of solution based imaging for Biological research. Users around the country can avail CIF services through the National I-STEM Portal. IITGN regularly conducts the Technical Education Quality Improvement Programme (TEQIP) training programme and STUTI-DST Workshops where CIF facility staff and students are involved in giving short lectures towards the technical and application aspects of CIF Instrumentation.

IITGN CIF CONNECTION WITH INDUSTRY: The CIF has been catering the needs of industries at various levels. Many pharmaceutical industries like Sun Pharma, Piramal Pharma, Zydus Research centre, Cadila Healthcare, Torrent Pharma and Sud-Chemie are the regular users of our facility. Nearly 30 major industries are the users of the CIF IITGN. Some of the small and medium scale industries use our facility for material characterization, hardness testing and elemental analysis etc. With the addition of new instruments such as analytical FESEM, transmission electron microscopy (TEM), multi-purpose X-ray diffractometer, and, inductively coupled plasma (ICP-MS/ OES) and Bio-AFM, we are observing growth in the number of users from the industry for their R&D work.

IITGN CIF CONNECTION WITH ACADEMIC INSTITUTES: The CIF has been providing regualr services to the universities, institutes and R&D departments. The major goal has been to build an environment which enables high quality research among institutions, universities in and around Gujarat and lead to major collaborations between academic institutes. Some of the institutes who are the regular users of CIF are NIPER, IIIT-RAM, Nirma University, Indrashil University, NIT Surat, Gujarat University, IIAR, CUG, PRL, IPR, CSMCRI, MSU, SP University, PDEU etc. We have been able to connect with a majority of the universities and institutes in the Ahmedabad-Gandhinagar region. Several students from dental colleges have carried out sample analysis using scanning electron microscope (SEM). The CIF at IITGN remains open to all the science enthusiasts and encourages them to never stop exploring science.

CIF INSTRUMENTS: The Bruker Nano wizard Sense AFM (Bio-AFM) is a recently added CIF instrument which can be used in the solution based imaging where membranes, cells etc. can be imaged simultaneously in fluorescence and AFM mode. Events such as protein folding, aggregation, self-assembly, as well as cells and tissue can be viewed and imaged live.

LIBRARY

The library, a learning resource centre being an integral part of the academic and research work, continues to expand its collection both in print and digital form. It also designs and delivers innovative services to support teaching, learning, research, and other scholarly activities. During the year 2022-23, the library has initiated a number of important activities and services.

LIBRARY COLLECTION

Print & Audio-Visual Collection: The library's rapidly growing collection of research monographs, textbooks, reference books, conference proceedings, CDs, VCDs, DVDs cover the areas of academic and research interests of the Institute. The following table presents additions to the collection during the year 2022-23.

TOTAL COLLECTION AS ON MAR 31, 2023

Type of Collection	Additions in 2022-23	Total collection
Books	1599	32926
Bound volumes	152	877
Children books	77	1555
Hindi books	407	874
CDs	10	996
DVDs	-	621
Technical reports	-	456
Theses and Dissertations	83	1014
Total	**2328**	**39319**

CIRCULATION AND INFORMATION SERVICES

» **Circulation of Books:** The total number of documents issued to our users during this year is **21,745** compared to **15,873** of last year. There is a significant increase in borrowing of books as most students are now on campus post COVID.

» **Vacation Issue:** The library has continued the facility of issuing books for vacation reading, both during winter and summer, encouraging students to borrow and read general books of their interest.

» **Print Journals & Magazines:** The library circulates loose issues of print journals/magazines among users. During the year, **337** issues of print journals/magazines were circulated compared to just 98 issues in the previous year.

» **Information/Reference Services:** The library has been actively promoting reference & information services (in person & virtually) to its user community and has delivered the following services during the year.

» **Weekly Alerts**

- New additions of books & other reading materials
- Institute Research Publications Weekly Alert
- Book of the week
- Author of the week
- Library team wants you to know...
- QR Codes for various services and documents

» **Others: (i)** discipline-wise listing of major e-resources (ii) promoting the use of reference management software such as Zotero and others (iii) compiled resource guides for patents, biomedical engineering, creativity, earth sciences (iv) created and updated over 50+ bibliographies on different subjects (v) display of different library and campus events on LED

» **Grammarly (Premium Accounts):** Currently, **2,064 users** have registered (as compared to 1848 users in the previous year) and have been extensively using this writing tool.

» **Plagiarism Checking:** The library has been providing plagiarism checking services using Turnitin software. The number of documents checked during the year is **4,394** compared to 5521 in the previous year including theses, assignments, and manuscripts as part of an ethical principle of academic integrity.

» **Read, Review & Roll!:** The Read, Review & Roll initiative was launched to promote reading habits in the community, particularly among students while they were away from campus. There are currently 11 submissions to this initiative, three of which are new, with a total of **5,739 views**.

» **Exhibitions:** The library has been celebrating important days every year with great enthusiasm and exhibitions of books from its collection to raise awareness within the IITGN community. In the last year as well, the library celebrated days such as Hindi Diwas, National Constitution Day, National Mathematics Day, International Women's Day among many others.

LIBRARY RESOURCE SHARING

The library has been taking an active part in availing the benefits of sharing resources with other major local libraries (*viz*. IIMA, IPR, PRL, CEPT, NID, DA-IICT) in Ahmedabad and Gandhinagar as well with IITs, NITs, IIMs, IISERs, CSIR Libraries and DELNET member libraries in the country. This has been done through inter-Library Loan and Document Delivery Services.

Document Delivery Service (DDS): To support the research activities, the library received 2118 articles from other libraries as compared to 1537 in the previous year and **delivered 297 papers** to other libraries as compared to 207 in the previous year.

RESOURCE SHARING AMONG IIT, IISC & IISER LIBRARIES

The library has been making a continued effort to share resources, especially research papers and books, among 31 institutions viz. IITs, IISERs & IISc. These groups of libraries being cohesive in terms of nature of collection and services, have displayed a very positive response towards optimising the resources by actively participating in resource sharing activities. A union catalogue of e-resources (http://library.iitgn.ac.in/unicat/) subscribed by these 31 institutions serves as a platform to facilitate and promote document delivery service.

MEMBERSHIPS

To continue to avail the benefits, the membership of Development Library Network (DELNET), Ahmedabad Library Network (ADINET) along with 12 other library and professional bodies such as AAAI, ACI, AMS, EUROGRAPHICS, FIB, IAHR, IAS, IATUL, IBASE, MAA, NICEE, SIAM, and libraries (British Library and American Library) were renewed. Continuing the membership of these professional bodies and library networks has been adding great value in terms of access to resources. Against this annual membership, the library gets access to 17 new journals, e-library and video library, and several other benefits for supporting activities on the campus.

Library External Memberships: To support the Institute's overall strategy of building strong relationships and interactions with individuals and institutions outside IITGN under six categories. In all, 15 new members were enrolled during the year of the report.

LIBRARY ORIENTATION, TRAININGS, WORKSHOPS & EVENTS

LIBRARY ORIENTATION SESSIONS FOR FRESHERS

To create an awareness and familiarisation about the resources and services, the library team conducted the following 5 programs, two as part of Foundation Program and another three as part of Aarohan during the year.

INVITED TALKS

- *Liaison Librarianship – Bridging the Gap?* (online), **Ms Maha Kumaran**, librarian, College of Education at the University of Saskatchewan, Canada, Apr 27, 2022
- *Evaluating information: Going beyond deceptive publishing, fake news, and bias in scientific literature*, **Ms Aditi Gupta**, engineering & science librarian, University of Victoria Libraries, Canada, Aug 8, 2022
- *What is new & happening in Academic & Research Libraries in Canada*, **Ms Aditi Gupta**, engineering & science librarian, University of Victoria Libraries, Canada on Aug 23, 2022.
- *Peer Review: Theory, Algorithms, and Applications*, **Prof Shanmuganathan Raman**, associate professor, Computer Science & Engineering and Electrical Engineering, IITGN, Sep 19, 2022
- *The Scholarly Communication Ecosystem: Academic Integrity, Openness and Fairness*, **Ms Karrie Peterson**, department head, Liaison and Instruction Services, MIT Libraries, USA, Sep 21, 2022
- *The Value of Scientific Reviews,* **Dr Richard Gallagher,** president and editor-in-chief, Annual Reviews, Feb 15, 2023.
- *Joy of Reading for the Reading-deprived*, **Shri Sathyanarayanan Mundayoor**, educationalist and scholar-in-residence, IITGN, Mar 4, 2023

DIGITAL REPOSITORY OF SCHOLARLY PUBLICATIONS

Digital Repository: A 'Digital Repository' (http://repository.iitgn.ac.in/) created using an open source DSpace software has been kept up-to-date by adding the metadata with abstracts of most of the scholarly publications generated by the Institute community. During the year, a total of **1000 metadata** have been added to the repository. Efforts are being made to add full text of research papers wherever permitted.

LIBRARY PROFESSIONAL TRAINEESHIP INTERNSHIP

The library has trained over 50 library professionals so far. A platform was formed for the ex-trainees to come together and continue their interaction. A website with the details of each alumni has also been created. As part of the group's activities, regular meetings and 11 talks by alumni were arranged in virtual mode.

LIBRARY STAFF ACTIVITIES

The library team continues to conduct **brainstorming sessions** on different topics of interest. Some of the current topics like *Emotional Intelligence in Librarians, DORA: Rethinking Research Assessment by Looking Beyond Publication Metrics, Rescuing Knowledge for Researchers: The Initiative for Open Citations, Controlled Digital Lending, Electronic Reserve (E-reserve), Best Practices for Acquiring and Implementing an eBook Collection, Trends in Virtual Reference Services, Use of Drones in the Libraries, Academic Library Assessment in Higher Education, Smart Libraries: An Overview, 3-D printing in libraries, AI and Machine Learning in Libraries, ACRL framework for information literacy for higher education, Search Less - Research more! - Web based*

Tools for Scientific Literature etc. Around **14 sessions** meant for professional development of library staff were arranged.

STAFF PUBLICATIONS

- **Chaudhary, Panna** and Gadhvi, Geetaben, "Usage and awareness of Reference Management Tools (RMTs) and role of library professionals in promoting RMTs: an integrative review of literature", in *the National Conference Re-envisioning Library and Information Services in the Agile Era*, Ahmedabad, IN, Jan 9-10, 2023.
- ·**Das, Tapas Kumar, Behera, Mukesh,** Jignesh, Makwana and Akhandanand, Shukla, "Scientometric discovery of research contributions of the journal "nature climate change" during 2011–2020", *Library Herald*, DOI: **10.5958/0976-2469.2022.00029.X**, vol 60, no 3, pp 51-67, Sep 2022
- ·**Das, Tapas Kumar,** Makwana, Jignesh C and Shukla, Akhandanand, "Quantitative analysis of scientific literature on climate change in India: a scientometric study", in *the 16th International Conference on Webometrics, Informetrics and Scientometrics (WIS) & 21st COLLNET Meeting 2022,* Bangkok, TH, Nov 10-12, 2022 (ISBN: 978-81-932517-7-5).

LIBRARY VISIBILITY THROUGH SOCIAL MEDIA PLATFORMS

The library continued its efforts to reach out to the IITGN community through the popular social media handles such as Facebook, Twitter, Instagram, Pinterest, LinkedIn and Flickr by regularly posting the details of new resources, services, events and other happenings. During the last year, the library posted stories 67 on four different handles that attracted over 1472 followers compared to 885 in the previous year.

LIBRARY COLLABORATIVE ACTIVITIES

- The library took the following collaborative steps -
- started working closely with the 7 interdisciplinary centres on the campus
- initiated resource sharing with the Institute dispensary
- actively pursuing the companies and startup setup at Research Park IITGN for membership
- started working closely with the student clubs to promote the use of the library
- started organising monthly events in collaboration with CCL for the benefit of the children on campus

OUTREACH ACTIVITIES

On Jun 7, 2022, 87 children from neighbouring villages as well as students of Nyasa school visited the library in four batches. After a brief tour of the library, the children had the opportunity to pick a book of their choice from the Children Collection. The children explored various genres as different as horror and botany.

NEW INITIATIVES

During the year 2022-23, the library has undertaken the following new initiatives -

- **Electronic theses & dissertation policies**: The library has started implementing new guidelines approved by the Senate and has received theses and dissertations in both forms (hard copy & soft copy) with agreement form signed and submitted during last academic year. The library uploaded 39 PhD theses on the Shodhganga portal created by INFLIBNET Center.
- **Book review competition:** The second edition of Book Review Writing Competition was hosted in association with Writing Studio, from Aug 26 – Nov 1, 2022 for the IITGN student community.
- **Programs with CCL:** Owing to the popularity of programs conducted by Library and CCL, a monthly session on various topics has been introduced for IITGN community kids.
- **Resource guides compiled:** Four new resource guides on biomedical engineering, creative learning, earth sciences and patents have been compiled and sent to faculty in the respective disciplines for their feedback.
- **Puzzles for mental stimulation:** Library has taken an initiative to build a collection of educational games and has placed 13 puzzles from CCL inside the library premises for students to play.
- **Chat services integrated with library website:** The Library has integrated a trial version of a chat service to its website using Tawk.to service for faster resolution of queries.

CENTRES

ARCHAEOLOGICAL SCIENCES CENTRE

The Archaeological Sciences Centre (ASC) was established in December 2012 to facilitate and undertake research in the application of the sciences in archaeology. The Centre also aims to collaborate with universities and research institutions, including the Archaeological Survey of India (ASI) and State Departments of Archaeology, for conducting such research.

CENTRE'S PROJECTS

The details of the projects undertaken by the faculty of ASC are as follows:

- Impact of sea level fluctuations, climate change or tectonic activity on the decline of the Harappan settlement of Dholavira, Kutch, India (DST-SHRI). (PI: **Prof Vikrant Jain and Co-PIs: Prof V N Prabhakar, Saptarshi Dey, Prof Vimal Mishra, Jyotiranjan Ray, Prof Amit Prashant**)
- Paleo-landscape, paleo-drainage & potential groundwater investigations in the Great Rann of Kachchh, Gujarat, Western India (Ministry of Earth Sciences) (PI: **Prof Debajyoti Paul**, IIT Kanpur and Co-PI: **Prof V N Prabhakar)**
- Multifaceted analysis of archaeological ceramics from the historic city of Vadnagar, Gujarat, Department of Archaeology and Museums, Government of Gujarat (PI: **Prof V N Prabhakar** and Co-PI: **Prof Sriharitha Rowthu)**
- IKS cell for ancient indian technologies at the Archaeological Sciences Centre, Ministry of Education, Government of India, (PI: **Prof V N Prabhakar** and Co-PI: **Mana Shah**)
- Hydro-geomorphic analysis of Vadnagar watershed area, Department of Archaeology and Museums, Government of Gujarat, (PI: **Prof Vimal Mishra** and Co-PI: **Prof Vikrant Jain**, **Prof V N Prabhakar,** and **Prof Pranab Mohapatra**)
- Reconstruction of human-animal interaction at the world heritage Harappan site of Dholavira, Gujarat, India: Inferences from isotopic composition of archaeological bone and teeth remains, DST SERB-POWER (PI: **Prof Sharada Channarayapatna** and Co-PI: **Prof Debajyoti Paul,** IIT Kanpur)
- Geoarchaeology of Gujarat: An integrated study based on historical maps of the past few centuries, remote sensing data and GIS, IITGN-funded ECF project (**Ekta Gupta** and **Prof V N Prabhakar**)
- Living ancient cities of India: a study of the emergence of urbanism in north India in the 1st millennium BCE, with a focus on Vadnagar, IITGN-funded project: ASI Archaeology Chair), (**Profs V N Prabhakar, Sharada C V**, and **Michel Danino**)

COLLABORATIVE RESEARCH PROJECTS

- An MoU was signed between IIT Gandhinagar and Cambridge University on Jan 9, 2023 with the objective of promoting and furthering academic links between the two institutions in the areas of archaeology, exchange of scholars and students and participating in the project "Mapping Archaeological Heritage in South Asia"
- An MoU was signed between the IIT Gandhinagar and the Government of Gujarat on May 18, 2022 to collaborate in areas of research on Vadnagar.
- IITGN and the Ministry of Culture, Government of India (GoI), in collaboration with the Indira Gandhi National Centre for the Arts, New Delhi, hosted a three-day International Colloquium on "Emerging Perspectives of Harappan Civilisation" from Feb 10-12, 2023, focusing on the genesis, material culture, climatic scenario, and theoretical perspectives of the proto-historic era. The inauguration of the international colloquium was held on Feb 10, 2023, in the presence of **Shri Govind Mohan**, secretary, Ministry of Culture, GoI, as the chief guest; **Dr Alok Tripathi**, additional director general, ASI; and **Prof Rajat Moona**, director, IITGN. The three-day colloquium, held in hybrid mode, brought together more than 65 scientists and research scholars from India and abroad.

EMINENT VISITORS

ASC received the following distinguished visitors during 2022-23, who engaged in discussions with the ASC faculty members, post-doctoral fellows and PhD scholars:

- **Shri Govind Mohan**, secretary (Culture), Government of India, Oct 15, 2022
- **Prof Cameron Petrie**, Cambridge University, Dec 15-16, 2022
- **Dr Akinori Uesugi** (formerly Kansai University, Japan), **Dr Gregg Jamison** (University of Wisconsin-Madison, USA) and **Prof Ajithprasad** (formerly MS University and guest professor, IIT Gandhinagar), Jan 17, 2023
- **Dr Adi Eliyahu**, Ariel University, Israel, Feb 24-Mar 2, 2023. The Centre also arranged her visit to the archaeological site of Dholavira
- **Prof Rajat Moona**, director, IIT Gandhinagar visited the archaeological site of Dholavira, Feb 25-26, 2023

The following delegation from Durham University, UK, visited IIT Gandhinagar and the Centre on Mar 22, 2023:

- **Prof Charlotte Clarke**, executive dean, Faculty of Social Science and Health
- **Prof Catherine Montgomery**, deputy executive dean (Global), Faculty of Social Science and Health

- **Prof Tom Moore**, professor and head of the Department of Archaeology
- **Prof Robin Conningham**, professor, associate director (World Heritage Site in IMEMS)
- **Prof Emily Williams**, associate professor (Teaching)
- **Prof Kamal Badreshany**, assistant professor

AWARDS AND FELLOWSHIPS

- **Poorva Salvi**, PhD scholar at the Archaeological Sciences Centre, received a 'Centre of Policy Research and Governance India - Indian Knowledge System Research Grant 2022'. This grant was awarded by Centre of Policy Research and Governance (CPRG) India for her research titled 'Iconometric and Iconographic Analysis of the Hoysala Sculptural Tradition'.
- **Ahana Ghosh**, a PhD scholar at the Archaeological Sciences Centre, was awarded the 'Fulbright-Nehru Doctoral Research Scholarship' by the United States India Educational Foundation (USIEF) for conducting a part of her doctoral research in the US on understanding the relationship between vessel function and dietary patterns of Harappans through ceramic residue analysis.

Prof V N Prabhakar is the coordinator and **Prof Sharada C V** is the co-coordinator of the Centre.

CENTRE FOR BIOMEDICAL ENGINEERING

The Centre for Biomedical Engineering at IITGN is focused on carrying out interdisciplinary research focused on diagnostic/therapeutic tools and techniques, automated rehabilitation and prosthetic techniques and public health techniques targeted towards addressing healthcare needs. The main objectives of this Centre are:

- research and development in biomedical engineering and healthcare technologies
- developing low-cost technologies related to healthcare to help people in rural areas
- the centre undertakes national and international collaborations for research and academic exchanges

PROJECTS

- Identification of RNA G-quadruplex structure in long non-coding RNAs (lncRNAs) dysregulated in ovarian cancer, **(GSBTM)**, PI: **Prof Bhaskar Datta**
- Photo-cleavage based affinity purification towards the development of protein-based therapeutics, **(GSBTM),** PI: **Prof Karthik P Subramaniam**
- Elucidating polymorphic behaviour of active pharmaceutical ingredients (APIs) during crystallization: A combined approach of experimental and molecular dynamics simulations

studies, **(CEFIPRA)**, PI: **Prof Sameer Dalvi**
- Modified non-Boltzmann Monte Carlo simulations to study protein folding/unfolding, **(SERB)**, PI: **Prof Mithun Radhakrishna** and Co PI: **Prof Mukesh Dhanka**
- Translatable, self-healable, drug crystal encapsulated hydrogel platform for long-acting intra-articular therapy for rheumatoid arthritis, **(SERB)**. PI: **Prof Mukesh Dhanka**

COLLABORATIONS

The Centre engages in collaborative projects with prominent national and international institutes and universities including Johns Hopkins University, USA; National University of Singapore; Columbia University, New York; University of Chicago, USA; University of Lincoln, UK; University of Central Lancashire, UK; Royal Melbourne Institute of Technology (RMIT), Australia; Indian Institute of Science, Bangalore, India; National Institute of Mental Health and Neurosciences, Bangalore, India; Civil Medical Hospital, Ahmedabad, India; S B B Hospital, Ahmedabad, India; All India Institute of Medical Sciences, New Delhi, India; among others.

EMINENT VISITORS

- **Prof Mark Borden**, professor of mechanical engineering, University of Colorado at Boulder, visited on Jan 12-13, 2023
- **Dr Erwin Fuhrer**, visiting assistant professor, School of Computing and Electrical Engineering (SCEE), Indian Institute of Technology Mandi, visited on Jan 24, 2023
- **Prof Nitish Thakor**, professor of biomedical engineering, electrical engineering, neurology, Johns Hopkins University, visited on Feb 3, 2023

CENTRE FOR CREATIVE LEARNING

The Centre for Creative Learning (CCL) is a space whose mission is to transform STEM education and make it engaging and inspiring through hands-on toys, strengthening teachers' capacity, media programs and museum outreach. To date, CCL has developed and curated 700+ unique STEM models and activities and interacted with 20,000+ teachers and 50,000 students across the country.

The year 2022-2023 saw many interesting events, workshops and collaborations take place at CCL. We are also happy to report that we received a YouTube Silver Play Button for reaching 1 lakh subscribers on our YouTube Channel.

PROJECTS

- **'Curiosity' programme for 75k girl students of Uttar Pradesh**: CCL conducted 44 bi-weekly online

sessions for 75,000 girl students of 746 Kasturba Gandhi Balika Vidyalaya (KGBV) schools of Uttar Pradesh over 1 year to explore science and maths through a hands-on approach. CCL also conducted workshops for 1500+ KGBV teachers in 13 batches, to strengthen the content understanding and build on the rapport teachers already had through online sessions with the team. The CCL team members also visited 10 KGBV schools and met children, wardens and teachers.

- **3030 EKLAVYA:** CCL in collaboration with CBSE, resumed the popular '3030 Eklavya' Series from Aug 2022, aimed at implementing the vision set by the National Education Policy 2020. The objective was to connect the curriculum to real-life experiences via numerous hands-on activities, projects and models. The CCL created a set of 10 one-hour lectures broadcast freely on YouTube every Sunday. These received about 10 lakh direct views, and 1.8 lakh registrations from India and abroad.

- **STEM kits to schools of Gujarat:** The CCL delivered STEM kits to **3,247** schools in Gujarat that were used by children to explore science and maths concepts and also worked with these middle school teachers on experiential pedagogy.

EVENTS

- Prof Manish Jain is the member of NCERT Textbook Writing Committee for foundational stage
- Prof Manish Jain is the member of Committee for Position Paper on STEM pedagogy for middle stage
- **CCL CONTRIBUTES TO TOY-BASED PEDAGOGY AND SWACHH TOYCATHON**
  The CCL, IITGN was invited to be a part of the committee for developing a National Curriculum Framework on Toy-based Pedagogy. CCL was a knowledge partner for the 'Swachh Toycathon' launched by the Ministry of Housing and Urban Affairs, which explored ways to make scalable, innovative, safe, and pleasing toys from waste materials. The Centre also conducted various workshops/activities from July - Sep 2022.
- **D20 series:** This was an online series from Dussehra to Diwali showcasing 20 different STEM activities during the 20 days. The program received about 1.25 lakh direct views.
- The CCL organized a 4-day workshop in IIT Gandhinagar with NCERT's Department of Elementary Education team and faculties of the National Institute of Design, Gandhinagar to develop toys and games for math foundational numeracy.
- Installed more than 15 STEM large-scale exhibits

in various fests, induction programs, inservice courses. Some examples are a 10-foot diameter logo using IITGN String Art & Nail (larger than the existing Guinness world record), portraits using Rubik's cube of Dr C V Raman on National Science Day, 10-foot high bamboo mathematical art structures, portraits using string, dice, tessellation etc.

PARTICIPATION

- **Joint Mathematics Meetings, Boston, USA**: Two exhibits of the CCL, IITGN — a Geodesic dome made of bamboo and sine/triangular wave cars — were shortlisted to be showcased in the art gallery area of the prestigious Joint Mathematical Meetings (JMM) 2023 conference held in Boston, USA, during Jan 4-7, 2023.
- Showcased STEM models in an exposure visit of students during the 30th National Science Congress, Ahmedabad.
- Session on "Why do we need to make teaching and learning fun?" by **Prof Manish Jain,** made an exhibit of geodesic structure and put a stall for interaction with our toys in India International Science Festival Bhopal.
- A stall with the CCL's toys and activities was installed at Vadodara Maker Fest and visitors and the team engaged in making a string art exhibit.
- Two-day conference on Computational Thinking in Schools (CTiS 2022) held on Jul 8-9, 2022 at IISER Pune. The Card Sorting activity of **Ms Adithi Iyer** of CCL IITGN was awarded the 1st prize in the Tactile Accessible Computational Thinking' (TACT) challenge. In the conference, **Mr Jay Thakkar** on behalf of the center also presented a paper on "Artful introduction to computational programming using rich mathematical activity".
- Presented the work "Mathematical impressions on sand: a hands on visual approach to geometry & trigonometry" in the fourth Annual Conference of Mathematical Teachers' Association (India), Sep 9-11, 2022

INVITED TALKS:

- National Action Plan for toys (NAPT), MoHUA - make toys from waste materials
- Indi Global Workshop
- Talk on "Skill building National" Forensic Science University, Gandhinagar
- Rishi Valley School: presentation on science to students
- Talk on experiential learning on Science Day, IIT Ropar
- India International Science Festival, Bhopal
- Talk for BS-MS students at NISER, Bhubaneswar on the occasion of Pi day celebration by **Prof Manish Jain**

- CEE Kolkata Education East Summit: experiential learning masterclass
- Talk for 300 CBSE principals in Vadodara

COLLABORATIONS

- IITGN signed an MoU with Samagra Shiksha, Uttar Pradesh to start a program: Turning Point 2.0 by the name आंखो की चमक, a series on national television to explore science/math around us in non-intuitive ways, Nov 23, 2022
- On Mar 13, 2023, the **Center for Creative Learning (CCL),** IITGN signed a Memorandum of Understanding (MoU) with the State Council of Educational Research and Training (SCERT) & Sarva Shiksha Abhiyan (SSA), Delhi, to conduct workshops and supply STEM activity box dubbed as 'Khoji boxes' for 4,000 teachers and District Institute of Education and Training (DIET) students all across the state on an ongoing basis, beginning in March.

EMINENT VISITORS

- **Glenn Carle**, former CIA Clandestine Services Officer and Deputy National Intelligence Officer for Transnational Threats, National Intelligence Council
- **Mr Govind Mohan**, secretary, Ministry of Culture
- **Prof Austin Davis**, a toy and game design faculty member of the National Institute of Design, Gandhinagar
- **Ravi Santlani,** CCL-IIT Gandhinagar in association with ScooNews announces nationwide S.T.E.A.M. Yatra - The largest school based student-centric STEAM learning mission in India
- **Mr Sathyanarayan Mundayoor**, also known as Uncle Moosa, a Padma Shri awardee, educationalist and social activist, who has been working in Arunachal Pradesh on a network of community libraries for the last forty years, was invited as a Scholar-in-Residence at IITGN. He was kind enough to advise us on books and resources that might be useful to children in our future projects

CCL TEAM

We are happy to have grown to 31 full-time members, with the notable additions of **Dr Jyothi Krishnan** and **Krishna Purohit** in senior scientist roles and **Dr Aditi Kothiyal**, assistant teaching professor, as a collaborator. **Prof Manish Jain** is the principal coordinator and **Prof Himanshu Shekhar** is the co-coordinator of the centre. Other team members include **Jay Thakkar, Tapas Hira, Jyoti Gupta, Ashutosh Bhakuni, Adithi Iyer, Pankaj Godara, Akash Umaraliya, Nihar Pandya, Sarita Yadav, Vipul Domadiya, Sajid Rathod, Rakesh Pachaya, Satish Kumar, Dinesh Rathod, Shilpa Bansal,** **Abhijit Das, Sandip Baraiya, Shanu Dalwadi, Vinod Gutukhade, Akhand Jyoti Gupta, Neha Garg, Shreesha Bhat, Sujeet Kumar Singh, Nisha Pandey, Swati Shelar, Zayid Ahmed and Rashmi Sheoran.**

CENTRE FOR COGNITIVE AND BRAIN SCIENCES

The Centre for Cognitive and Brain Sciences (CCBS) at IITGN is recognized within the country for being the pioneer among the IITs through research activities and academic programs at the master's and PhD levels. The Centre also aims to take a leadership role in cognitive science within the country with its interdisciplinary character and excellent student achievements. The Centre's research areas include philosophy of mind, perception, curiosity, attention, learning and decision making, motor control and rehabilitation, and neuro-developmental & neuro-degenerative disorders such as autism and Alzheimer's disease.

The CCBS has produced a total of 117 alumni, including 103 MSc and 14 PhD graduates. The MSc programme graduated 10 students in 2015, and the number of graduates has steadily increased each year, with 16 students graduating in 2022. The PhD programme has graduated 2 students in 2014 and 1 student in 2019, 5 students in 2020 and 3 students in 2021.

EVENTS

The CCBS organised the following seminars during 2022-23:

- Targeting newly acquired skill memory to enhance future performance, **Goldy Yadav,** postdoctoral fellow at UC Louvain (Belgium), Sep 12, 2022
- Texture and object representations in human visual cortex and deep convolutional neural networks, **Dr Akshay Jagadeesh,** (PhD, Stanford; currently postdoctoral fellow at Harvard), Nov 4, 2022
- Advancing disease evaluation through wearable devices: mobility in ageing and neurological disorders**, Prof Kamiar Aminian,** professor, Laboratory of Movement Analysis and Measurement, EPFL, Nov 9, 2022
- Learning algorithms and hardware for robust brain-machine interfaces**, Dr Sahil Shah,** associate professor, University of Maryland, Jan 17, 2023
- The science of dream interpretation: how to interpret dreams**, Prof Frederick L Coolidge,** professor at the University of Colorado, Jan 19, 2023
- Aging and the ability to learn grasp dynamics by **Dr Nishant Rao,** postdoctoral fellow at Haskins Labs / Yale University, Feb 13, 2023
- How research in sight restoration helps us understand human brain development by **Dr**

Brigitte Roeder, professor at University of Hamburg, Feb 14, 2023

- The brain gauge: A non-invasive method for assessing brain health by **Prof Mark Tommerdahl,** University of North Carolina, Feb 23, 2023

CENTRE FACULTY

The Centre's faculty consists of **Prof Pratik Mutha**, Jibaben Patel Chair associate professor and coordinator for the Centre; **Prof Vineet Vashista**, assistant professor and co-coordinator of the Centre, **Prof Jaison Manjaly**, Jasubhai Memorial Chair professor; **Prof Krishna Prasad Miyapuram**, associate professor; **Prof Uttama Lahiri**, professor; **Prof Meera Mary Sunny**, associate professor; **Prof Leslee Lazar**, assistant teaching professor; **Prof Angus McBlane**, visiting assistant professor; and **Prof Jooyoung Kim**, assistant teaching professor.

DESIGN AND INNOVATION CENTRE

The Design and Innovation Centre (DIC) promotes collaborative projects, research and educational initiatives on design and innovation. The DIC also nurtures student and faculty initiatives to develop innovative products and solutions through curricular and extracurricular projects, such as talks, seminars, symposiums, and workshops.

PROJECTS AND COLLABORATIONS

The DIC provides design consultancy to other disciplines at the institute by assisting in product development and manufacturing. The DIC specialises in humanising technology through usability and aesthetics.

- **Instrole, Instrumented shoe insole** (**PI: Prof Uttama Lahiri** / Designer **Prof Manasi Kanetkar, Nirav Patel**): The shoe insole measures the gait parameters of the wearer and collates up to 14 indices for diagnostics and rehabilitation. The product is at TRL level 6 now and ready to be marketed.
- **Design of a new logo for Functional Materials Laboratory** (**PI: Prof Sriharitha Rowthu** / Designer **Prof Manasi Kanetkar**): The logo had to manifest interaction of liquids with surfaces. The final logo demonstrates the 'coffee stain' effect.
- **Environmental Humanities Research Group logo (PI: Prof Sriharitha Rowthu):** The logo represents connectedness between various elements of natural environments namely, flora, fauna and humans. Circle represents earth as well as cyclic nature of shared resources in the environment.
- **Set of writing pen and table for autistic children** (**PI: Prof Uttama Lahiri** / Designer **Nirav Patel**): The DIC designed a writing table for autistic children to help a PhD student in collecting the data for their handwriting. The prototype was used successfully for data collection and has now reached the next stage of translation of this platform innovation into various products. The design included many friendly elements for participants as well as cues for data collection for the researcher.
- **MIndEYE equipment** (**PI: Prof Uttama Lahiri /** Designer **Nirav Patel**): **Status: Completed** A VR (Virtual Reality) based tool has been developed to document the response time using an eye tracking set-up. The final prototype is ergonomically designed to make the participant comfortable for the duration of the experiment. It is cost effective, robust asn easy to assemble and dismantle making the replication and installation easy by design.
- **One touch doctor, a noninvasive scanner for body vitals** (PI: **Prof Uttama Lahiri** / Designer **Prof Manasi Kanetkar** and **Nirav Patel**): The scanner fits on a fingertip and senses the vitals by passing light through the finger. The enclosure for the electronic components needs to be snugly fitted on fingers of all sizes and shapes. The proof-of-concept version is ready and a few iterations have already been tested in the clinics.

EVENTS

- A talk tilted "Design Dialogue", **Satyajit Mittal**, founder of Aretto - Footwear Tech Startup
- A talk tilted "Visual perception and broad applications of cognition in design", **Prof Manasi Kanetkar** during the SERB-funded Karyashala "AI-based approaches in addressing issues related to cognitive health"

Design orientation sessions:
- **Basics of Prototyping:** Foundation Program, (BTech 2021) by **Mr Nirav Patel** (4 offline sessions - 240 students)
- **Thinking through sketching** – Session during Aarohan (offline session for 400 students) by **Prof Manasi Kanetkar**
- **Making a flipbook**- session during Foundation Program (2022) for postgraduate students by **Prof Sameer Sahasrabuddhe** (offline session 290 students)
- **Making a flipbook**- session during Jawahar Navodaya Vidyalaya (2022) for postgraduate students by **Prof Sameer Sahasrabuddhe** (offline session 160 students)
- **Calligraphy workshop**: An introductory workshop where the participants were introduced to various pen holds and traditional calligraphy styles such

as chancery and old English. (offline session- 20 participants comprising of students, faculty, and residents)

- **Sketching workshop**: On the spot sketching was demonstrated with the participants sketching the landscapes. (offline session- 15 participants comprising of students, faculty, and residents)

NEW INITIAITVE

1. **Upcycling Lab:** At IIT Gandhinagar, we are currently attempting to create a system of waste upcycling. This system or lab will be utilised to decrease the cardboard and styrofoam waste initially, followed by the other categories of waste such as wood, electronics, etc. The lab aims to upcycle this waste into usable items such as furniture.
2. **Workshop facilities:** Various machines and equipment were purchased to effectively introduce prototyping techniques to the students. This is especially important for the newly introduced course ES 115: Design, Innovation and Prototyping which is mandatory for all BTech students during their first academic year.
3. **Certification for manufacturing trades:** Along with the manufacturing workshop, Tinkering lab as well as Makers Bhavan facilities are running a pilot run for certification in various manufacturing trades.

DIC TEAM

Prof Madhu Vadali is the coordinator and **Prof Manasi Kanetkar** is the co-coordinator of the Centre. **Prof Sameer Sahasrabuddhe** has joined as a practising professor, design from August 2022. **Jaladhi Shah** has joined as a design associate from Aug 2022.

DR KIRAN C PATEL CENTRE FOR SUSTAINABLE DEVELOPMENT

The Dr Kiran C Patel Centre for Sustainable Development (KPCSD) at IITGN undertakes cutting-edge research on sustainability and related challenges of high societal importance and promotes cost-effective and sustainable solutions through its strong outreach and technology-transfer programmes. It strives to develop a strong outreach programme of training, education, awareness, and community engagement on the sustainability domain, facilitates networking and collaboration among scholars, policymakers, industry, non-profit organisations and other stakeholders, and promotes educational programmes on sustainable development at IITGN.

FOCUS AREAS

- **Water**: Water and wastewater treatment, desalination, safe drinking water production, hydraulics and water resources engineering, water resource research, water-energy systems, river science
- **Pollution & Waste Management**: Air, water and soil pollution, air quality, laser spectroscopy, particle engineering, built environment, low-cost air quality sensors, environmental policy, surface engineering, waste to resource techniques
- **Climate Change**: Climate risks, extreme climatic events, climate variability, food-energy-water security, climate change impacts, critical infrastructures resilience, internal variability, hydrometeorological extremes, physics guided machine learning for hydrological processes, hydrologic modelling
- **Energy**: Fuel cell systems, energy systems, distributed energy, heating ventilation and air conditioning, energy conversion and storage, optimization, energy management, organic electronics and LEDs, solar cells, renewable energy, electricity market, smart distribution grid/microgrids, thermodynamic optimization, smart manufacturing
- **Natural Resources**, **Wildlife & Ecosystems**: Wildlife conservation, indigenous peoples, social and environmental justice, natural resources management, environmental archaeology, sustainability modelling, earth surface processes, sustainable stream management

PROGRAMMES

Research: research and consultancy on sustainability and promoting national and global collaborations
Practice: lab-to-field technology transfer and implementation on campus and the neighbourhood
Education: curriculum development at IITGN and

advance education on sustainability nationally and globally

Outreach: conferences, networking, training programmes and workshops for scholars and professionals

EVENTS

REGIONAL KNOWLEDGE FORUM WITH IWMI

The International Water Management Institute (IWMI), in collaboration with KPCSD at IITGN and other partner organisations, hosted a Regional Knowledge Forum on "Energising Agriculture and Enabling Just Energy Transitions in South Asia" from Feb 6 - 8, 2023. This event was a part of IWMI's project titled 'Solar Irrigation for Agricultural Resilience in South Asia' (SoLAR), funded by the Swiss Agency for Development and Cooperation (SDC). It included plenary and parallel sessions in five thematic areas. The forum was attended by regional researchers, policymakers, and practitioners in the renewable energy sector.

SWACHHATA PAKHWADA

As a part of 'Swachhata Pakhwada', observed by IITGN from Sep 1-15, 2022 KPCSD and Green Club at IIT Gandhinagar organised an online seminar focusing on integrated waste management with a circular economy and systems thinking concept, titled "Resource Recovery from Waste – Circular Economy Approach for Sustainable Urbanisation" by **Prof Brajesh K Dubey**, professor, Circular Engineering, Department of Civil Engineering and Chair, School of Water Resources, IIT Kharagpur, with the participation of over 80 members.

VISHWAKARMA AWARD FOR ENGINEERING INNOVATION 2022

The KPCSD, in collaboration with Maker Bhavan Foundation and WIN Foundation, organised 'Vishwakarma Award for Engineering Innovation 2022', a national competition to incentivise Indian science and engineering students to build innovative water and sanitation systems around the theme 'Water and Sanitation'. Ten shortlisted teams showcased their innovative engineering solutions at IIT Gandhinagar's grand finale held on Aug 27, 2022 including reducing toilet water usage, solar disinfection, and waste recycling systems. The top three teams received cash prizes up to Rs 5 lakh, and all teams were given funding and mentoring to develop their prototypes in four months.

CLIMATE ACTION NOW (CAN)

The KPCSD in collaboration with Gujarat Ecological Education and Research (GEER) Foundation, Gandhinagar, organised Segments II and III (five days each) of a workshop series on Climate Change called, Climate Action Now (CAN) during Jan 2023. The second segment of the workshop series was held from Jan 16 - 20, 2023, with a focus on "Climate Action and the Role of Industries". Subsequently, the third segment on "Climate Change-Centric Research and Development" was held between Jan 27 and 31, 2023.

SUSTAINABILITY SEMINAR SERIES

- The Centre conducted ten seminars between April 2022 through March 2023 as part of the Sustainability Seminar Series. The seminars covered a range of topics, including clean air, fossil fuel resource exploitation, energy security, climate change, wildlife conservation, circular engineering approaches and clean cooling technologies. More than 800 people attended the events from India and several locations across the globe, such as Argentina, Austria, Bangladesh, Canada, Germany, Israel, Morocco, Pakistan, Singapore, Sweden, the Netherlands, the Republic of Korea, the United Arab Emirates, the United Kingdom and the United States. Details of the seminars organised are as follows:

- "Exploring solutions to our food system challenges", **Prof Navin Ramankutty,** professor and Canada Research Chair in Global Environmental Change and Food Security at the University of British Columbia

- "Pursuit of clean air in India", **Dr Pallavi Pant**, senior scientist, Health Effects Institute

- "Fishing Cats: A wetland cat requiring a socio-ecological conservation approach", **Ms Tiasa Adhya**, member, IUCN Cat Specialist Group

- "The conundrum of fossil fuel resource exploitation, climate change & energy security – what can we do?", **Prof Volker Vahrenkamp**, professor, Energy Resources and Petroleum Engineering, Physical Science and Engineering Division, King Abdullah University of Science and Technology, Saudi Arabia

- "Communicating climate change to a fragmented audience", **Prof Deepti Ganapathy**, professor and chair, Centre for Management Communication, Indian Institute of Management Bangalore

- "Hedgehog conservation in Tamil Nadu: Saving rare small mammals with people's participation", **Dr R Brawin Kumar**, early-career conservation biologist

- "Clean cooling technologies for India", **Prof Armin Hafner**, professor, Department of Energy and Process Engineering, Norwegian University of Science and Technology (NTNU), Norway

- "Critical and enabling role of materials in carbon neutral energy", **Prof Rajendra Bordia**, the George J Bishop, III Professor of Materials Science and Engineering at Clemson University and guest professor, Materials Engineering and KPCSD

- "The co-evolution of humans, climate, water, earth and biota: The next chapter?", **Prof Upmanu Lall**, the founding director of the Columbia Water Center, the Alan and Carol Silberstein Professor of Engineering, and a senior research scientist at the International Research Institute for Climate & Society at Columbia University
- "Circular engineering approaches for environmental management", **Prof Brajesh K Dubey**, professor, Circular Engineering, Department of Civil Engineering, and Chair, School of Water Resources at the IIT Kharagpur
- "The path to zero: protecting people and the planet through investment and innovation", **Mr Mahesh Ramanujam**, co-founder, president, and CEO of the Global Network for Zero

CENTRE FACULTY

The Centre's faculty consists of **Prof Achal Mehra**, visiting professor and coordinator of the Centre; **Prof Vimal Mishra**, professor and co-coordinator of the Centre; **Prof Ambika Aiyadurai**, assistant professor; **Prof Sudhir Kumar Arora,** professor of practice; **Prof Rupak Banerjee**, associate professor; **Prof Nipun Batra,** assistant professor; **Prof Atul Bhargav**, professor; **Prof Pallavi Bharadwaj**, assistant professor; **Prof Udit Bhatia**, assistant professor; **Prof Rajendra Bordia,** guest professor; **Prof Arup Lal Chakraborty**, professor; **Prof Sharada Visweswara Channarayapatna,** assistant professor; **Prof Hari Ganesh,** assistant professor; **Prof Auroop R Ganguly,** guest professor; **Prof Chinmay Ghoroi**, B S Gelot Chair professor; **Prof Vikrant Jain**, professor; **Prof Kabeer Jasuja**, associate professor; **Prof Alok Kumar Kanungo**, assistant research professor; **Prof Pankaj Khanna**, assistant professor; **Prof Anirban Mondal,** assistant professor; **Prof Chhavi Nath Pandey**, visiting professor; **Prof Sameer Patel,** assistant professor; **Prof Naran Pindoriya**, associate professor; **Prof Sudhanshu Sharma**, assistant professor; **Prof Rishi Narain Singh,** guest professor; **Prof Jaichander Swaminathan**, Kanchan and Harilal Doshi Chair assistant professor; **Prof Prachi Thareja**, associate professor; **Prof Jimmy Thomas,** guest professor and **Prof Aashish Xaxa**, assistant professor.

CENTRE FOR SAFETY ENGINEERING

The Centre for Safety Engineering (CSE) at IITGN is committed to improving public safety in India through a better understanding of the challenges and possible solutions. Reflecting the national priorities, the CSE takes pride in supporting Indian manufacturers in product development and innovation through collaborative research projects between the industry, government and IITGN.

EVENTS

WORKSHOP ON DESIGN, INSTALLATION, AND INSPECTION OF PERIMETER & THROUGH PENETRATION FIRESTOPS

The Centre for Safety Engineering at IIT Gandhinagar organised a one-day workshop on "**Design, Installation, and Inspection of Perimeter and through Penetration Firestops"** followed by a full-scale fire experiment at the Fire Building on Aug 27, 2022. More than 110 delegates participated in the day-long workshop. The delegates included students, faculty, fire officers, consultants, and other industry professionals and leaders. Speakers from BIS and top National and International codes and standards discussed the need for performance-based codes and standards with emphasis on Fire Stop Design and Installation. The learnings were reinforced by the live fire test.

STUDENT COMPETITION ON ENGINEERING CHALLENGES IN EV SAFETY

In order to understand and mitigate issues related to Electric Vehicle (EV) Fire Safety in a holistic manner, the Centre of Safety Engineering at IITGN has organised a National Competition on "**Engineering Challenges in EV Safety,**" where 91 teams comprising of 359 students from different IITs, NITs and Universities across the country. The objective was to carry out detailed documentation and literature review on the subject matter. The registrations started on May 1, 2022 and all the teams submitted their reports on Jun 15, 2022. The shortlisted teams presented their findings to eminent jury members in the final evaluation stage at IITGN on Sep 26, 2022.

SYMPOSIUM ON E-MOBILITY IN INDIA: SAFETY AND THE WAY FORWARD

The Centre for Safety Engineering at IIT Gandhinagar organised a two-day symposium on **E-Mobility in India: Safety and the Way Forward**. Speakers from India, US and Europe shared their experiences and challenges in handling Electric Vehicle (EV) fires. **Shri Giridhar Aramane** (IAS), Secretary, Ministry of Road Transport & Highways, Government of India highlighted the road safety measures taken by GOI and appreciated CSE for creating awareness of EV safety. Industry leaders and researchers in the area shared various aspects of safety in the E-Mobility mission like technology readiness, challenges of EV fires, battery management systems (BMS), thermal runaways, codes/standards, etc. Participants in the symposium were from industry, academia, researchers, safety professionals, and professionals from insurance, battery manufacturers, automotive manufacturers, regulators, and other EV sector stakeholders.

A DECADE OF CSE AND OPENING OF A NEW LAB

The Centre for Safety Engineering is one of the most dynamic centres of IIT Gandhinagar, conceived in Dec 2012. The centre is involved in arranging multiple international and national conferences, workshops, symposiums, short courses on safety, and introduced multiple safety related courses in the curriculum over the decade. The centre developed a major research & testing facility for new product development & testing for industries. The centre received support from various national and international partner Industries, government stakeholders, and individuals. On Dec 3, 2022, the centre completed its 10 years of service (2012 - 2022) on public safety in society. To commemorate the successes and discuss the way forward, the Centre for Safety Engineering celebrated its 10 years of existence on Dec 3, 2022 along with various stakeholders involved from the beginning. The event started with the brief remarks from **Shri Taj Hassan** (IPS), director general, Ministry of Home Affairs. All stakeholders deliberated and gave their inputs for further growth of the centre. CSE unveiled its new facility, "Shah Bhogilal & Jethalal Laboratory for Passive Fire System Testing" during this occasion. This facility is one of its kind in the country and we also had a demonstration of a fire fighting drone. A session with Architects, Consultants, Door/Dampers Manufacturers, Standards bodies such as BIS, and Building Elements Industry was organised for discussions on specification, and test protocols, including the accreditation plan. The session is intended to help Indian Manufacturers achieve quality standards, where speakers from BIS and the Ministry of Home Affairs shared their experiences.

STUDENT PAPER COMPETITION ON STRUCTURAL & PASSIVE FIRE PROTECTION

The Centre for Safety Engineering at IIT Gandhinagar organised a student paper presentation competition on **Structural & Passive Fire Protection**. This competition helped to spread awareness on the importance of research & development in the area of passive fire structural protection systems. This competition also benefited the research community, student community, and industries who are working in this domain. Of all the papers submitted for the competition, four best papers will be selected for final presentation at the Fire Safe Build India Conference and Expo organised from Feb 9-11, 2023 in Mumbai.

CENTRE FUNCTIONARIES:

Prof Chinmay Ghoroi is the coordinator of the centre and **Prof Gaurav Srivastava**, is the co-coordinator of the Centre, and **Mr Jagdish Vatapalli** is the advisor of the centre.

EXTERNAL AFFAIRS

MoUs

IITGN has been constantly building strong and mutually beneficial relationships with internationally renowned academic institutions and non-academic organisations. Several partnerships forged in the year 2022-23 that will benefit the students and the faculty.

PARTNERSHIP WITH IIT MADRAS

IIT Gandhinagar and IIT Madras entered into an MoU on May 12, 2022, to initiate a project titled "Kotak-IITM Save Energy Mission (KISEM) - IITGN" to promote decarbonisation of Indian industries. As part of this MoU, the two institutes will collaborate on research, consultancy, education and training through various modes of engagement.

MoU WITH DIRECTORATE OF ARCHAEOLOGY AND MUSEUMS

IIT Gandhinagar has signed an MoU with the Directorate of Archaeology and Museums, Sports, Youth and Cultural Activities Department, Government of Gujarat, on May 20, 2022, to share expertise and resources to ensure protection and preservation of historical and cultural environments, and to conduct quality research and development in conservation, heritage management, and relevant archaeological sciences.

COLLABORATIONS WITH INDUSTRIES

IIT Gandhinagar Research Park and the industrial giant **ArcelorMittal Nippon Steel India Limited** have entered into an MoU in Aug 2022 to promote industry-academia collaborations at a global scale and facilitate avenues of research-based partnerships with IITGN faculty members and students. The Institute has partnered with **Shri Mukesh Shah**, Managing Partner, Shah Bhogilal Jethalal & Bros (AAAG India), on Jul 02, 2022, to establish a passive fire testing lab and undertake multiple scholarly activities in the area of fire safety. In appreciation of his generous support, the new fire-testing research lab will be named as '**Shah Bhogilal Jethalal Laboratory for Passive Fire System Testing**', in memory of Shri Mukesh Shah's grandfather and founder of the Shah Bhogilal Jethalal & Bros. IITGN has also collaborated with **Firetech Equipment & Systems Pvt Ltd**, a Mumbai-based manufacturer of fire fighting systems, on Jul 05, 2022, to set up its operations at the Institute's Research Park and work with the IITGN students and faculty members to boost their product development and innovation strategies.

MoU WITH INDIAN AIR FORCE

IITGN and the **Indian Air Force** have joined hands to collaborate in promoting the development of indigenous technologies and equipment through research and innovations in the key areas of materials science, aerospace, nanotechnology, electrical systems, obsolescence management, upgradation and digitisation through indigenisation. In addition, the MoU also aims to promote R&D on the enhancement of reliability of aircraft and aero engine components, material analysis and substitution, life extension studies, failure analysis, and quality assurance.

MoU WITH MPCST

IITGN inked an MoU with the **M P Council of Science & Technology (MPCST)**, an autonomous organisation of the Government of Madhya Pradesh, to set up a "Centre for Creative Learning" in the state. The agreement was signed in an event held on Dec 26, 2022, in Bhopal in the august presence of **Shri Shivraj Singh Chouhan**, Hon'ble Chief Minister of Madhya Pradesh; **Prof Rajat Moona**, Director, IITGN; and other dignitaries. With this, the **Centre for Creative Learning (CCL)**, IITGN, will facilitate the establishment of the Centre in Bhopal, with a focus on STEM sessions, hands-on workshops, and an exhibition of intriguing STEM toys and models.

PARTNERSHIP WITH FIRE SAFE BUILD INDIA

The **Centre for Safety Engineering (CSE)** at IITGN and the Fire Safe Build India (FSBI) have joined hands to collaborate on numerous projects, which started with a paper presentation competition on "Structural & Passive Fire Protection", inviting students of various disciplines pursuing graduation/post-graduation/PhD to showcase their research work in the domain and win a monetary prize. The CSE also participated in a three-day expo and conference hosted by FSBI, wherein the Institute had a dedicated stall showcasing the CSE and Fire Engineering Research Laboratory's (FERL) activities.

ALUDECOR TEAMS UP WITH THE INSTITUTE

Aludecor, a premium ACP sheet manufacturer in India, has collaborated with IITGN's FERL to conduct detailed research on the fire retardant (FR) properties of the aluminium composite panel (ACP). **Prof Gaurav Srivastava** from the Civil Engineering discipline handed over a detailed research report to Aludecor, elaborating the findings signifying the ACP's potential to protect the loss of lives and buildings from fire.

INTERNATIONAL

University of Washington, USA	To promote a global education experience for both students and faculty
University of Miami, USA	Exchange of students and academic and research collaborations
IIT Gandhinagar Foundation, USA	To promote education and research among students and faculty of IITGN
Mr Ruyintan (Ron) E Mehta and IITGN Foundation, USA	Erach and Meheroo Mehta Dakshana Memorial Scholarship
University of Cambridge, UK	Promoting and furthering academic links between the two institutions

NATIONAL

Indian Institute of Technology Madras	Project on Industrial Energy Assessment Cell
Directorate of Archaeology and Museum	To conduct quality research and development in conservation, heritage management, and relevant archaeological sciences
Shri Mukeshbhai Shah of Shah Bhogilal Jethalal & Bros	To support activities of the Centre for Safety Engineering on Fire Safety Engineering
ArcelorMittal and Nippon Steel	To carry out the activities such as skill development, instruction and research.
M/s HLE Glascoat Limited	To support testing and research on industrial effluent in CRTDH at IIT Gandhinagar
Kailash Cancer Hospital & Research Foundation	To establish a program of exchange and collaboration on initiatives of mutual interest that may emerge over time
Indian Air Force, Air Headquarters, New Delhi	Development of indigenous technologies and equipment through research and development
Anu and B V Jagadeesh Chair	To promote excellence in innovation and entrepreneurship development
Bhalodia-Khetan Summer Research Excellence Award	To promote excellence within the Summer research internship program (SRIP) participants and to further elevate its standards and recognition of IITGN
Archaeological Survey of India (ASI)	Strengthening and supporting the Archaeological Sciences Centre at IITGN
Ingersoll Rand (India) Limited	Centre for Creative Learning at IITGN has been developing and conducting various capacity development programs for instructors
Pandya- Shivpuri Chair	To promote research and academic activities in the areas related to resource and population dynamics
Hilti India Pvt Ltd	For testing of firestop system(s), and ASTM E2307 test facility to promote research and development.
Indian Council for Cultural Relations (ICCR)	lCCR aims to empanel universities/institutes who are willing to accept international students sponsored by ICCR, through the A2A portal
L&T Technology Services Limited	Data collection and analysis, deployment and decision - making, remediation action for increasing productivity

Bureau of Indian Standards (BIS)	Establishing BIS Standardization Chair
State Council of Education Research and Training (SCERT), Delhi	STEM education has established to reach a large number of student and teacher communities across the country through its proprietary training programs contents, Workshops etc
NIXI CSC data Services Limited	To collaborate with NIXI-CSC to explore and utilize identified IT Services

IIT GANDHINAGAR RESEARCH PARK

The IIT Gandhinagar Research Park seeks to push the boundaries of innovation and research by fostering a strong connection between industry and academia. Industries can set up their offices at the IITGN Research Park to carry out R&D activities. This allows them to be part of a vibrant community and gain access to R&D professionals, students and state-of-the-art R&D infrastructure at IITGN.

PERMANENT BUILDING OF THE RESEARCH PARK

The permanent building of the Research Park is fully operational. Incubation Center and the Companies working from the existing academic buildings of the Institute have shifted their offices at the Research Park.

COMPANIES IN IITGN RESEARCH PARK:

A total of 12 companies are operating from the IITGN Research Park as on Mar 31, 2023. A summary about the companies is placed below:

Name of the Company	Area Currently Occupied (Sq ft)	Area Of Interest
AMNS India	38,301	Skill Development
NASSCOM	8,000	IoT and IT
GUVNL	3,500	Electric Power
Firetech	500	Manufacturing of Firefighting systems
Shah Bhogilal Jethalal & Bros.	500	Fire protection equipment
Cortex Construction Solutions	400	Structural Engineering
Silver Touch Technologies	350	IT Solutions & digital transformation
ThirdAI Pvt Ltd	300	AI, IoT and IT
Infyu Labs	280	Agritech
DP Pulveriser Industries	260	Manufacturing
Geo Carte	250	Underground Infrastructure mapping
PARFI	160	Skill development

During the year, seven new companies joined the Research Park. The twelve companies have occupied an area of approximately 52,800 sqft (around 65%) of the total lettable space in the finished part of Building (Block B). Companies have also shown interest in taking the warm shell area (Block D) of the Research Park Building.

INDUSTRY CONCLAVE- CONNECTIONS 2023

The third edition of the industry conclave, Connections, was held at IITGN's Research Park on Feb 24, 2023, with the aim of bridging the gap between the Institute and various industries. The conclave saw an attendance of approximately 80 participants, which included about 45 companies from different sectors, including pharmaceutical, chemical, electrical and electronics, biotechnology, etc. IITGN served as a host to representatives from major companies, including **Tata Chemicals, Asahi India Glass Ltd - AIS, Piramal Pharma Limited, Gujarat Urja Vikas Nigam Limited, NIVEA**, and many more. Connections was a mixture of eclectic events that provided a platform to showcase the diverse partnerships of IITGN, its in-house industry-centric projects, diverse research, and state-of-the-art facilities. Overall, the event helped various IITGN stakeholders to gain insights into the expectations of industry, network and set up prospective collaborations, conduct research with translational potential, and push for blue-sky research.

STATUTORY BOARD OF RESEARCH PARK

Prof Sudhir K Jain, relinquished his office as director of IIT Gandhinagar with effect from Jan 3, 2022. Consequently, he resigned as a director of IIT Gandhinagar Research Park. In the meeting of the Board of Directors of IIT Gandhinagar Research Park, held on Feb 23, 2022, **Prof Amit Prashant,** officiating director IIT Gandhinagar was appointed as chairman of the Board of Research Park. Subsequently, **Prof Rajat Moona** assumed the charge of director IIT Gandhinagar and he also took the charge as the chairman of the Board of Directors of IIT Gandhinagar Research Park.

ADVISORY COUNCIL:

The 7th meeting of the Advisory Council of the **IIT Gandhinagar Research Park** and **IIT Gandhinagar Innovation and Entrepreneurship Center** (IIEC) was held on Nov 22, 2022. Distinguished council members discussed various strategic points to scale up industry engagement and entrepreneurship programmes at the Institute.

IIT GANDHINAGAR INNOVATION AND ENTREPRENEURSHIP CENTER

During the year, IIEC supported approximately 30 startup teams working on different deep-tech products and solutions.

ACHIEVEMENTS OF THE START-UPS

- **MiCoB**, a 3D concrete-printing start-up incubated at IITGN, received the 'Innovation for Defence Excellence Award' from the Ministry of Defence, Government of India, for developing 3D-printed bunkers and habitats along the Indo-Chinese borders.
- **Necesario Innovations** (Snapper) was selected for Meta XR startup program by CIE IIIT Hyderabad. The programme is an exclusive accelerator programme for XR startups supported by Meta and MeitY Startup Hub.
- **Dr Harsh Lovekumar Shah**, founder of Agrocast Analytics was selected for the Startup Leap program, an initiative of Mahindra Digital Engine (MDE). He was also part of a boot camp orgainsed by ICICI Foundation for Inclusive Growth at Xavier Institute of Management (XIM Bhubaneswar).
- **Galanto Innovations**, a start-up incubated at IITGN under the Nidhi Prayas programme, and founded by **Dr Chandan Kumar Jha**, a PhD alumnus of the discipline of Electrical Engineering at IITGN, was among the top 7 startups that received a grant of Rs 10 lakhs in the Boeing India's 'Boeing's University Innovation Leadership Development' (BUILD) programme.

NIDHI PRAYAS PROGRAMME

IIEC received funds of Rs 120 lakhs to implement the Nidhi Prayas programme for the cycle 2021-22. Under this programme, an innovator/team/startup is provided with the funding support of up to Rs 10 lakhs for converting the idea into a prototype.

The following 17 teams were selected for support under the programs.

Prayasee Name	Team name	Association with IITGN	Funds Sanctioned in (Rs)
Prof Atul Bhargav	Cellegant Energy Systems Pvt Ltd	Yes	Rs 10,00,000
Prof Bhaskar Datta	Team BD	Yes	Rs 5,00,000
Mr Sarang Deshpande	Meiro Mobility	No	Rs 5,00,000
Mr Siddhesh Shenoy	Praudyogic Solutions	No	Rs 3,50,000
Mr Manohar Lal	WebNomics	No	Rs 5,00,000
Mr Roshan Rawal	Exposit	No	Rs 7,00,000
Mr Mahek Dipakbhai Rathod	Kalam Innovations	No	Rs 5,00,000
Mr Shail Jadav	Tesseract Robotics	Yes	Rs 7,00,000
Prof Harish P M	SysIDEA Robotics	Yes	Rs 7,00,000
Mr Chaman Modi	__	Yes	Rs 5,00,000
Mr Pratik Prajapati	Phoenix	Yes	Rs 7,00,000
Mr Het Shah	Zevien Technologies Pvt. Ltd	No	Rs 7,00,000
Mr Chirag Panchal	ENERLYF	No	Rs 6,00,000
Mr Pankaj Yadav	Qnanosol Biotech	Yes	Rs 5,00,000
Mr Rahul Dahiwadkar	Chromophores	Yes	Rs 6,00,000
Prof Sivapriya Kirubakaran	PBG Kinomics	Yes	Rs 7,00,000
Dr N V S Praneeth	FibSense	Yes	Rs 2,50,000

NIDHI SEED SUPPORT PROGRAMME

Galanto Innovations founded by **Dr Chandan Kumar Jha** received the sanction of seed funding of Rs 25 Lakhs in FY 2022-23.

BOEING BUILD

IIEC partnered with Boeing India to conduct the second edition of an innovation scouting programme called 'Boeing's University Innovation Leadership Development' (BUILD). As part of the programme, an intensive five-day Boot Camp was organised at IITGN during Dec 5-10, 2022, for select students and early-stage startup teams. Four teams were shortlisted to compete at the national level during the National finals held at Boeing R&D centre in Bangalore. Galanto innovations founded by Dr Chandan Kumar Jha was among the seven winning teams of the National finals.

IDE 4.0 INNOVATION DRIVEN ENTREPRENEURSHIP

A group of 13 IITGN students attended a boot camp at Bangalore for 1 week during May 16-21, 2022. The objective of the boot camp was to provide a comprehensive exposure to the selected students to the startup and innovation ecosystem in Bangalore. The students visited a number of startup companies, large organizations, investors and other ecosystem partners. The Institute encourages these students to continue to work on their ideas and the promising teams may also be provided with the opportunity to visit an international startup ecosystem in the future.

TL MEET

The IIEC provided the support in conducting the All-India Tinkerers' Lab meet during Jun 24-26, 2022. Around 30 student coordinators of tinkerer's labs from various IITs, BITS and other institutions attended the program.

AYE LEAGUE

The IIEC partnered with IFCI Venture Capital Funds Limited in implementing the AYE League program (Dr Ambedkar Young Entrepreneur League). The regional finale of the program was conducted at the IIEC, IIT Gandhinagar on Mar 23, 2022.

STARTUP MENTORSHIP BY IIEC

During May 03-07, 2022, the IIT Gandhinagar Innovation and Entrepreneurship Center (IIEC) organised an event titled 'Build your Startup with B V Jagadeesh' to help the participants understand the fundamentals of the entrepreneurial journey by interacting with B V Jagadeesh who is a highly regarded serial entrepreneur, mentor, and angel investor. In addition, the participants also received entrepreneurial lessons from other successful entrepreneurs such as **Mr Jimmy Padia**, founder & CEO, Floatbot; **Mr Sharad Sangh**i, managing director & CEO, NTT Ltd, India; and **Mr Naveen Varma Alluri**, co-founder, My Ally.

The details of the students participating in the boot-camp is as follows:

Name	Team name	Association with IITGN	Funds Sanctioned in (Rs)
Prof Atul Bhargav	Cellegant Energy Systems Pvt Ltd	Yes	Rs. 10,00,000
Prof Bhaskar Datta	Team BD	Yes	5,00,000
Mr Sarang Deshpande	Meiro Mobility	No	Rs. 5,00,000
Mr Siddhesh Shenoy	Praudyogic Solutions	No	Rs. 3,50,000
Mr Manohar Lal	WebNomics	No	Rs. 5,00,000
Mr Roshan Rawal	Exposit	No	Rs. 7,00,000
Mr Mahek Dipakbhai Rathod	Kalam Innovations	No	Rs. 5,00,000
Mr Shail Jadav	Tesseract Robotics	Yes	Rs. 7,00,000
Prof Harish P M	SysIDEA Robotics	Yes	Rs. 7,00,000
Mr Chaman Modi	__	Yes	Rs. 5,00,000
Mr Pratik Prajapati	Phoenix	Yes	Rs. 7,00,000
Mr Het Shah	Zevien Technologies Pvt. Ltd.	No	Rs. 7,00,000
Mr Chirag Panchal	ENERLYF	No	Rs. 6,00,000

AWARDS AND RECOGNITIONS

FACULTY AWARDS AND RECOGNITIONS

- **Prof Sivapriya Kirubakaran**, Kankuben Bakshirambhai Gelot Chair associate professor, Chemistry, has been featured among India's top 25 scientists in a book titled 'India's Science Geniuses' for her work on 'H. pylori'.

- **Prof Anirban Dasgupta**, N Rama Rao Chair professor of Computer Science & Engineering, has been selected as an Advisory Committee Member at Infosys Centre for Artificial Intelligence, IIIT Delhi.

- **Prof Arka Chattopadhyay**, assistant professor, Humanities and Social Sciences, has been selected as the '2022-23 Charles Wallace India Trust Fellow' by the Institute for Advanced Studies in the Humanities, the University of Edinburgh.

- A book titled 'Glass Crafts in Northern India', authored by **Dr Alok Kumar Kanungo**, assistant research professor, HSS (Archaeological Sciences Centre), was released by the Honourable Governor of Uttar Pradesh, Smt Anandiben Patel.

- **Prof Emila Panda** was awarded 'JSPS (Japan Society for the Promotion of Science) Invitation Fellowship for Research in Japan' (short term) in the category of Engineering Sciences.

- **Prof Neeldhara Misra**, Smt Amba and Sri V S Sastry Chair associate professor, Computer Science & Engineering, has been featured in a compendium of 'Women in STEM: Vanguards of India@75', an initiative by Confederation of Indian Industry (CII).

- **Prof Vimal Mishra**, professor, Civil Engineering and Earth Sciences, has been selected as a member of the American Geophysical Union (AGU) Horton Medal Committee.

- **Prof Manish Kumar**, associate professor, Civil Engineering, served as a reviewer in the selection for the first cohort of Quad Fellows, administered by Schmidt Futures, to be selected from the Quad countries (India, Australia, United States, and Japan), to pursue higher studies in STEM areas.

- A film titled "Kamala - The Swadeshi Nutri Indian", created by **Prof Sameer Sahasrabudhe**, professor of practice, Design, was nominated for public and jury screening for the "12th National Science Film Festival of India" (NSFFI). Another of his films titled "The Quest", was selected at the Helsinki Education Film Festival International (HEFFI) for the year 2022.

- **Prof Subramanian Sankaranarayanan**, assistant professor, Biological Engineering, has been selected for the prestigious 'DBT Ramalingaswami Re-entry Fellowship' for the year 2021-22 by the Department of Biotechnology, Ministry of Science and Technology, Government of India.

- **Prof Neeldhara Misra**, Smt Amba and Sri V S Sastry Chair associate professor, Computer Science & Engineering, has been honoured with the "National Academy of Sciences, India (NASI) - Platinum Jubilee Young Scientist Award - 2022" in the Electronics, Computer Science & Engineering category. She has also been selected as a member of the "Indian National Young Academy of Sciences" (INYAS) for the year 2023.

- **Prof Dhiraj Bhatia**, assistant professor, Biological Engineering, has been selected as a member of the "Indian National Young Academy of Sciences" (INYAS) for the year 2023.

- **Prof Vikrant Jain**, professor, Earth Sciences, has been elected as a Fellow of the esteemed National Academy of Sciences, India (NASI). Prof Jain received the fellowship in recognition of his noteworthy research contributions in the field of earth surface processes and river science.

- **Prof Indranath Sengupta**, professor, Mathematics, has received the prestigious 'INSA Teachers Award' for the year 2022. He is one among the 15 recipients who have been conferred this award by the Indian National Science Academy.

- **Prof Sivapriya Kirubakaran**, Kankuben Bakshirambhai Gelot Chair associate professor, Chemistry, has been elected as a member of the Council of the Chemical Research Society of India (CRSI) for three years. As a member, she will participate in the study, practice, teaching and promotion of chemistry in the country. **Prof Kirubakaran** has also been nominated as a member of the Royal Society of Chemistry (RSC) in the field of chemical biology as an emerging leader. This recognition is due to her contributions to the field of cancer chemical biology.

- An innovation named "SMART AGENT - a Universal IoT-based Smart Energy Management Device" developed by **Prof Naran Pindoriya**, associate professor, Electrical Engineering, and his research

team, has won the India Smart Grid Forum (ISGF) Innovation Awards 2023 ~ Platinum award for the award category "Smart Technology - Electricity Distribution". The device seamlessly integrates with existing metering infrastructure, sensors and supervisory control and data acquisition and enables consumers to actively participate in demand-side energy management applications, viz., peer-to-peer energy trading, demand response, etc.

- **Prof Jaichander Swaminathan**, assistant

professor, Mechanical Engineering, and **Prof Uddipta Ghosh**, assistant professor, Mechanical Engineering, have been selected as INAE Young Engineer Awardees 2022.

- The team comprising **Chaman Modi**, a PhD scholar and **Prof Manish Kumar**, associate professor, Civil Engineering, was selected for a Nidhi Prayas grant from the Department of Science and Technology, Government of India, to develop a method for reinforcing the 3D printed concrete layers.

FACULTY EXCELLENCE AWARDS

The institute conferred faculty excellence awards to the following four faculty members:

FOR EXCELLENCE IN TEACHING

Prof Joycee Mekie, associate professor, Electrical Engineering:
In recognition of her contributions, achievements, and innovations in teaching. The committee found her performance to be excellent and consistent in all the courses she taught for the last 3 years.

FOR EXCELLENCE IN INSTITUTION BUILDING AWARD

Prof Sivapriya Kirubakaran, associate professor & Kankuben Bakshirambhai Gelot Chair, Chemistry:
In recognition of her contributions and achievements in Institution building activities related to Student Affairs as dean and earlier as warden.

FOR EXCELLENCE IN RESEARCH

Prof Atul Dixit, associate professor, Mathematics:
In recognition of his contributions and achievements in research including publications in high quality peer reviewed journals, especially with his students.

EXCELLENCE IN OUTREACH ACTIVITIES AWARD

Prof Gaurav, associate professor & Dr. Vilas Mujumdar Chair, Civil Engineering:
In recognition of his contributions to outreach activities, including conduct of short courses, workshops, and conferences in the area of Fire Safety.

FACULTY CHAIR POSITIONS

Several well-wishers of the Institute have established endowed chair positions at IITGN to reward excellence and help retain outstanding faculty.

SUDHIR K JAIN CHAIR

Prof Rajat Moona, director, IIT Gandhinagar

LIST OF OTHER FACULTY CHAIRS AT IITGN

Name of the Faculty Chair	Name of the Donor	Current Occupant
JASUBHAI MEMORIAL CHAIR	Mr Maulik Jasubhai Shah	Prof Jaison A Manjaly, professor, Philosophy & Cognitive Science
B S GELOT CHAIR	Mr Gordhanbhai B Gelot	Prof Chinmay Ghoroi, professor, Chemical Engineering
TEOCO CHAIR	Mr Atul Jain	Prof Nithin V George, associate professor, Electrical Engineering
MAULANA ABUL KALAM AZAD CHAIR	Mrs Hamida Banu Chopra	Under this Chair, eminent scholars of Urdu are invited as visiting professors or scholars-in-residence for lectures, seminars and other scholarly endeavours
KANCHAN AND HARILAL DOSHI CHAIR	Mr Navin Doshi and Mrs Pratima Doshi	Prof Jaichander Swaminathan, assistant professor, Mechanical Engineering
N RAMA RAO CHAIR	Mr N R Narayana Murthy	Prof Anirban Dasgupta, professor in Computer Science and Engineering
JIBABEN PATEL CHAIR IN ARTIFICIAL INTELLIGENCE	Dr Jagdish Patel	Prof Shanmuganathan Raman, associate professor in Electrical Engineering jointly with Computer Science & Engineering
JIBABEN PATEL CHAIR	Dr Jagdish Patel	Prof Pratik Mutha, Associate professor in Biological Engineering
IRMA AND USHAKANT THAKKAR CHAIR	Dr Ushakant Thakkar	The Chair will enable teaching of courses on Sanskrit language and literature
KANKUBEN BAKSHIRAMBHAI GELOT CHAIR	Mr Gordhanbhai B Gelot	Prof Sivapriya Kirubakaran, associate professor in Chemistry
DR DINESH O SHAH CHAIR	Dr Dinesh O Shah	Prof Kabeer Jasuja, Associate professor in Chemical Engineering
SMT AMBA AND SRI V S SASTRY CHAIR	Prof A V Anilkumar	Prof Neeldhara Misra, associate professor in Computer Science & Engineering
DR VILAS MUJUMDAR CHAIR	Dr Vilas Mujumdar	Prof Gaurav Srivastava, associate professor in Civil Engineering
SMT MEERA AND PROF GIRISH K SHARMA CHAIR	Mrs Rashmi Sharma and Mr Manish Sharma	Prof Sameer V Dalvi, professor in Chemical Engineering
VIKRAM SARABHAI CHAIR	Gujarat Council on Science and Technology (GUJCOST)	This chair aims to promote academic and research activities and to conduct translational research resulting in new products and processes of commercial potential.
ANU AND B V JAGADEESH CHAIR	Smt Anuradha Jagadeesh and Shri B V Jagadeesh	This chair will provide leadership and support for our entrepreneurship initiatives,
PANDYA-SHIVPURI CHAIR	Dr Darshan Pandya	This chair aims to promote excellence and leadership in interdisciplinary research
ARCHAEOLOGICAL SURVEY OF INDIA (ASI) CHAIR	Archaeological Survey of India (ASI)	This chair will promote research in various aspects of archaeology through various collaborative and scholarly activities
BUREAU OF INDIAN STANDARDS CHAIR	Bureau of Indian Standards (BIS)	To enhance research and development efforts in standardisation, conformity assessment

STUDENTS' AWARDS AND RECOGNITIONS

- A total of 11 IITGN students received the coveted Prime Minister's Research Fellowship (PMRF) in the December 2021 cycle. The list comprises **Prajwal Kumar Singh**, Computer Science and Engineering; **Chandni Thakkar**, Mathematics; **Sreejith A Nair**, Physics; **Falak Vats**, Civil Engineering; **Ganeshkumar V**, Mechanical Engineering; **Om Maheshwari**, Electrical Engineering; **Siddhi Balu Ambhore**, Mathematics; **Prachi Sharma**, Materials Engineering; **Ratnadeep Samanta**, Materials Engineering; **Abira Rashid**, Materials Engineering; and **Vishakha Takhar**, Physics.

- **Dr Rahul Kumar**, PhD alumnus, Mathematics, received the Fulbright-Nehru Postdoctoral Research Fellowship 2022-23.

- **Rishiraj Adhikary**, PhD scholar, Computer Science and Engineering, was awarded the Fulbright-Nehru Doctoral Research Fellowship 2022-23.

- **Dr Soumyarup Banerjee**, National Postdoctoral Fellow in the discipline of Mathematics, has been selected for the prestigious 'INSPIRE Faculty Fellowship'.

- **Progyan Das**, a BTech student in Computer Science and Engineering, has bagged the prestigious 'Cargill Global Scholarship' in the 2021-22 cycle.

- A total of 16 PhD scholars received the coveted Prime Minister's Research Fellowship (PMRF) in the May 2022 cycle. The students are - **Abishek Sarkar**, Mechanical Engineering; **Ankur Vinay Singh**, Biological Engineering; **Anshul Awasthi**, Electrical Engineering; **Aparna Rathi**, Physics; **Barat Suresh**, Mechanical Engineering; **Dipesh Singh Chuphal**, Civil Engineering; **Gaurav Rai**, Chemistry; **Hema Naveena A**, Biological Engineering; **Himanshu Beniwal**, Computer Science and Engineering; **Indrani Zamindar**, Mathematics; **Niyati Bhupendra Shah**, Physics; **Poonam Rani**, Mathematics; **Rajnandan Borthakur**, Mechanical Engineering; **Saikat Kumar Misra**, Earth Sciences; **Shivani Sharma**, Civil Engineering; and **Shrutimoy Das**, Computer Science and Engineering.

- **Satadru Chakrabarty**, a PhD scholar in Chemical Engineering, has won the highly-regarded 'Euraxess Science Slam India 2022' by the EURAXESS Worldwide network.

- **Camellia Biswas**, a PhD scholar in Humanities and Social Sciences, has received the 'Earth Research Fellowship 2023'.

- **Poorva Salvi**, a PhD scholar in Humanities and Social Sciences, has received the 'Center of Policy Research and Governance India - Indian Knowledge System Research Grant 2022'.

- **Team Vinteo**, film-making club of IITGN, bagged a bronze medal in the online short film-making competition at the 5th Inter-IIT Cultural Meet at IIT Madras.

- The IITGN contingent bagged three medals in the following categories at the Inter-IIT Tech Meet 2023 held at IIT Kanpur: bronze medal in Drona Aviation High Prep Challenge, silver medal in IGDC Game Dev Low Prep Challenge, and bronze medal in Cognitive Garage Low Prep Challenge.

- **Team Odyssey**, IITGN demonstrated outstanding performances in 'ASTRAX' — the annual Astro Meet of IIT Mandi, during Mar 3-5, 2023. The team made a clean sweep by bagging all three — winner, first runners-up and second runners-up trophies and a special mention in an event dubbed "Messier Marathon". In another event called "SkyQuest", the team clinched the second and third spots on the winners' podium.

EXCELLENCE AWARDS TO STAFF

The following staff members were awarded Staff Excellence Awards for the year 2022-23 by **Prof Rajat Moona**, director IITGN, on the occasion of 74th Republic Day on Jan 26, 2022. Through these awards, the Institute formally recognises the sustained devotion and exemplary service of its employees.

- Mr B V Puvar, security advisor
- Mr Laxmi Kant Mishra, assistant executive engineer (electrical)
- Dr Dinesh H Parmar, senior physical training instructor
- Ms Timir Y Berawala, assistant
- Mr Gabhaji Shanaji Solanki, horticulture staff
- Ms Vasantiben J Vora, housekeeping staff

CAMPUS DEVELOPMENT AWARDS

The Institute felicitated following community members with Campus Development Awards for the year 2022-23 on the occasion of 74th Republic Day on Jan 26, 2022, for their outstanding contributions in campus development and management related activities:

- Mr Kaushik Patel (proprietor, J K Grocery)
- Mr Dipak Lalpura (IITGN staff)
- Mr Dalpatsinh Solanki (electrician, outsourced staff)
- Mr Pawan Kumar (security guard)
- Ms Falgunibahen Solanki (teacher, Nyasa)
- Mr Sumitabh Tiwari (proprietor, 2 Degree Cafe)
- Mr Yashwant Chouhan (hospitality manager, IITGN)
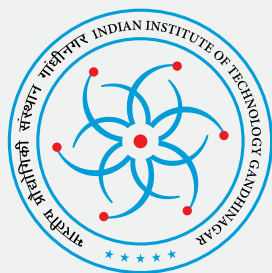
AWARDS AND RECOGNITIONS TO IIT GANDHINAGAR

AESA AWARD 2022

Adding one more feather in its cap, IITGN has won 'AESA Award 2022' in the non-residential institutional category for the 'Central Arcade' building on Jun 03, 2022.

NIRF'S INDIA RANKINGS 2022

National Institutional Ranking Framework (NIRF) announced India Rankings 2022 on Jul 15, 2022. IITGN has once again fared among the top 50 educational institutions in the country. The Institute secured 37th rank in the overall category, 23rd rank in the engineering category, and 34th rank in the research institutions category.

EAT RIGHT CAMPUS AWARD 2022

IITGN bagged the **Eat Right Campus Award** with a five-star rating from the Food Safety and Standards Authority of India (FSSAI) and created a hat-trick by winning the prestigious award for the third consecutive time.

US NEWS & WORLD REPORT RANKINGS

IITGN was ranked among the top 10 institutions in India in the Global Universities Rankings 2022-23 published by the US News & World Report, a Washington DC-based digital media company. The Institute ranked 7th in India and 725th globally of the 2000 institutions ranked across the world based on research performance and ratings by academics worldwide. See the US News report: https://tinyurl.com/nyxbckn7

OUTREACH ACTIVITIES

NEEV: IIT GANDHINAGAR COMMUNITY OUTREACH PROGRAM

NEEV is a community outreach program of IIT Gandhinagar that empowers women and youth from under-served communities through skills development, entrepreneurship, and livelihood programs. Since 2014, NEEV has conducted **125** projects and activities for **4000** beneficiaries from the Ahmedabad/Gandhinagar areas, including **15** nearby villages.

During **2022-23**, NEEV organised **34** projects and activities for **1062** beneficiaries. A majority of these projects are conducted in association with The Desai Foundation Trust.

STITCHING SKILLS TRAINING COURSE

With a focus on empowering rural women, NEEV conducts training courses in sewing within different villages. The modules include measurement, marking, cutting and sewing various products such as cushion covers, cloth bags, baby frocks, salwar-kameez, and ladies blouses. Four sewing courses were conducted in 2022-23:

- An 8-week course was conducted during Apr 18 - Jun 10, 2022 at Palaj village for 26 women from Palaj and Prantiya.
- An 8-week course was conducted during Jul 18 - Sep 09, 2022 at Ratanpur village for 37 women from Ratanpur and Lavarpur.
- An 8-week course was conducted during Oct 31 - Dec 23, 2022 at Lekawada village for 27 women.
- An 8-week course was conducted during Jan 16 - Mar 10, 2023 at Dholakuva village for 28 women.

BEAUTICIAN SKILLS TRAINING COURSE

NEEV's beautician skills training courses, conducted within the villages itself, enables women to learn the basics of grooming, hairstyle, make-up, and mehendi. Four beautician courses were conducted in 2022-23:

- An 8-week course was conducted during Apr 18 - Jun 10, 2022 at Palaj village for 30 women from villages of Palaj, Basan, Prantiya, Pethapur, and Dholakuva.
- An 8-week course was conducted during Jul 18 - Sep 09, 2022 at Ratanpur village for 24 women.
- An 8-week course was conducted during Oct 31 - Dec 23, 2022 at Lekawada village for 16 women from villages of Lekawada, Pethapur, Palaj, and Sargasan-Gandhinagar.
- An 8-week course was conducted during Jan 16 - Mar 10, 2023 at Borij village for 35 women.

COMPUTER SKILLS TRAINING COURSE

The purpose of this course is to increase computer literacy among village youth and women. The participants are taught basic computer operation, MS Word, MS Excel, MS Powerpoint, logging into the network, use of the internet, email basics, search engines, etc. Three basic computer skills courses were conducted in 2022-23:

- A 6-week course was conducted during May 02 - Jun 10, 2022 at Computer Lab, IIT Gandhinagar for 34 participants from villages such as Palaj, Basan, Prantiya, Lekawada, Dabhoda, Magodi, Vira Talavdi, and Valad.
- A 6-week course was conducted during Aug 01 - Sep 09, 2022 at Computer Lab, IIT Gandhinagar for 25 participants from villages such as Palaj, Ratanpur, Basan, Chiloda, Borij, Dabhoda, and Lekavada.
- A 6-week course was conducted during Nov 14 - Dec 23, 2022 at Computer Lab, IIT Gandhinagar for 17 participants from villages such as Palaj, Ratanpur, Basan, and Chiloda.

SPECIALISED COMPUTER TRAINING COURSE

- A 6-week **Tally skills training course** (introduction to basic to intermediate accounting operations using Tally software) was conducted during May 02 - Jun 10, 2022 at Computer Lab, IIT Gandhinagar for 16 participants from villages such as Palaj, Prantiya, Chala, and Randesan, Kudasan in Gandhinagar city.
- A 6-week **Data-Entry and Typing Training Course** (Data Entry, English and Gujarati Typing, MS Excel,

Google Drive) was conducted during Aug 01 - Sep 09, 2022 at Computer Lab, IIT Gandhinagar for 35 participants from Ratanpur, Palaj, Pethapur, Prantiya, Vir Talavdi, Lekavada, and from Aluva-Mansa.

- A 3-week **Computer Hardware Training Course** (Introduction of Hardware component and Peripheral devices, OS Formatting) was conducted during Nov 14 - Dec 02, 2022 at IIT Gandhinagar for 24 participants from various villages such as Palaj, Basan, Chiloda, Dabhoda, Bobha, Dashela, Lavarpur, Shahpur, Sonipur, and Soja, and from Gandhinagar city. Majority of the participants were students of Industrial Training Institute, Sector 15, Gandhinagar.

- A 6-week **Data-Entry and Typing Training Course** (Data Entry, English and Gujarati Typing, MS Excel, Google Drive) was conducted during Jan 30 - Mar 10, 2023 at Computer Lab, IIT Gandhinagar for 26 participants from Palaj, Basan, Ratanpur, Lekawada, Alampur, Chiloda, Dabhoda, and Borij.

ENTREPRENEURSHIP DEVELOPMENT WORKSHOP

The purpose of this workshop is to encourage participants to start their own enterprises. Topics discussed include idea generation, market research, business arithmetic, business plan formulation, marketing, promotion, negotiation skills and so on. Three workshops were conducted in 2022-23.

- A 1-week workshop was conducted during Jun 20-24, 2022 in IIT Gandhinagar for 41 participants from Palaj, Lekavada, Prantiya, Basan, and from city areas of Ahmedabad and Gandhinagar, including few students from Industrial Training Institute, Sector 15, Gandhinagar.

- A 1-week workshop was conducted during Sep 19-23, 2022 in IIT Gandhinagar for 31 participants from Palaj, Lekavada, Basan, Ratanpur, Lavarpur, and city areas of Gandhinagar.

- A 1-week workshop was conducted during Dec 26-30, 2022 in IIT Gandhinagar for 40 participants from Palaj, Lekavada, Kalol, Mansa Taula, and city areas of Gandhinagar. Majority of the participants were students of Industrial Training Institute, Sector 15, Gandhinagar.

SPOKEN ENGLISH TRAINING COURSE

NEEV conducted a 6-week spoken English training course during May 02 - Jun 10, 2022 in IIT Gandhinagar for 26 participants from villages such as Palaj, Basan, Prantiya, Lekawada, and Vira Talavdi. The course included modules on basic grammar, pronunciation, commonly used words in daily life, self-introduction, preparing for personal interview, with the help of descriptive writing and speaking, role-play and group discussions.

VOCATIONAL SKILLS TRAINING COURSE

As part of the vocational skills training course, a 6-week beginner course in **domestic wiring** was conducted in collaboration with Electrical Engineering Lab, IITGN during May 02 - Jun 10, 2022 for 8 participants of which five outstation participants were from the South Gujarat region. A 2-week introductory course in **CNC Machining** was conducted in collaboration with Mechanical Engineering Lab, IIT Gandhinagar during May 23 - Jun 10, 2022 for 5 students of Industrial Training Institute, Sector 15, Gandhinagar.

SHORT-DURATION TRAINING COURSES

- A 1-week **Chocolate and Candle Making Workshop** was conducted during Jul 25 - 30, 2022 in IIT Gandhinagar for 14 participants from Palaj, Mansa, Lodra, Sughad, Kolavada, and Gandhinagar city.

- A 1-week **Cake and Muffins Making Workshop** was conducted during Aug 01 - 05, 2022 in IIT Gandhinagar for 21 participants from Palaj, Basan, Ambod, Aluva, Amrapur, Mansa, and Sughad.

- A 2-day **Training of trainers in Stitching Skills** (product overview, market linkages, costing, pricing) was conducted during Mar 13 - 15, 2023 at NEEV training room, IIT Gandhinagar for 17 women from villages of Dholakuva and Lekavada in Gandhinagar district, and from Valsad, South Gujarat.

MENSTRUAL HEALTH MANAGEMENT SEMINAR

NEEV conducts awareness sessions on menstrual health for the women from surrounding communities. The following sessions were conducted in 2022-23:

- A session was conducted on May 31, 2022 in IIT Gandhinagar for 61 women from the villages of Palaj, Basan, Prantiya, Pethapur, and Dholakuva
- A session was conducted on Sep 12 , 2022 in Ratanpur village for 20 women.
- A session was conducted on Nov 23, 2022 in Lekawada village for 42 women.
- A session was conducted on Mar 14, 2023 in IIT Gandhinagar for 55 participants from the villages of Dholakuva and Borij.

CAREER DEVELOPMENT SKILLS SEMINAR

NEEV conducts awareness sessions on topics such as writing an effective resume, tips for interview preparation, job search websites. The following sessions were conducted in 2022-23:

- A session was conducted on Jun 04, 2022 in IIT Gandhinagar in collaboration with Career Development Services IIT Gandhinagar, for 43 participants from the villages of Palaj, Chala, Basan, Prantiya, and Dholakuva
- A session was conducted on Dec 16, 2022 in IIT Gandhinagar in collaboration with Writing Studio
- IIT Gandhinagar for 14 Participants from villages of Palaj and Chiloda.
- A session was conducted on Mar 24, 2023 in the Industrial Training Institute, Sector 15, Gandhinagar, in collaboration with Career Development Services IIT Gandhinagar for 89 Participants.

BANKING AND FINANCIAL LITERACY

NEEV conducts awareness sessions to create general awareness about operating bank accounts, digital payments, and government welfare schemes. The following sessions were conducted in 2022-23:

- A session was conducted on Sep 13, 2022 in Ratanpur village for 19 women. The facilitator was from Union Bank, Ratanpur Branch.
- A seminar was conducted on Dec 22, 2022 in Lekawada village for 40 women. The facilitator was
- from SBI Bank, Gandhinagar.
- A seminar was conducted on Feb 27, 2023 in Dholakuva and Borij villages for 55 women. The facilitator was from Union Bank, Gandhinagar.

SEWING LIVELIHOOD - MARKET LINKAGES

NEEV facilitated bulk orders for products such as bags and stoles for conferences and workshops, and custom orders for apparel such as dress, blouse, kurtas etc. Notably, around **20** women have collectively earned close to Rs **4 lakhs** through such orders during 2022-23.

NEEV TEAM

Ms Soumya Harish is the coordinator, and **Ms Roshani Patel** is the senior program associate of NEEV. Other team members include, **Ms Ritu Singh, Ms Mamta Parekh, Mr Adarsh Chauhan, Ms Laxmi Thakor, Ms Laxmi Vanzara,** and **Mr Bharat Thakor.**

NYASA: IITGN'S COMMITMENT TO SOCIAL OUTREACH

Taking forward IITGN's commitment and conscious efforts for the welfare of the construction workers and their families on IITGN campus. Nyasa is one of the primary stakeholders at IITGN to implement welfare schemes and reach out to the underprivileged community in and around the campus to lend a helping hand to build a better life through the collective strength of education and other activities. Many activities are already put in place through Nyasa for the overall development by learning different skills through technology and creative thinking.

NYASA'S DAY OUT

On Apr 17 2022, Nyasa school students and Nyasa members visited Science City. The group had a great time touring the Space Hall, Planet Earth, Nature Park, Robotics Gallery, and Aquatic Gallery. The day was packed with giddy curiosity, informative tours, and laughter.

SUMMER CAMP 2022:

A 10-day summer camp was conducted from May 30 - Jun 8, 2022 for 90+ children from Basan village and construction workers' colonies of IITGN. It was aimed at helping these kids explore their hobbies and hidden talents. The camp featured a plethora of exciting activities and learning modules to inspire and motivate kids while having fun. The activities included sessions on arts and crafts, origami, dream catcher making, preliminary English, basics of computer skills, introduction to archaeology, science experiments,

pottery, music and dance, yoga, fun games, and sports. About 40 mentors, including students, faculty, and community members of IITGN, conducted various sessions with the help of about 50 student volunteers from the Institute.

THE FIRST BATCH OF PATHWAY TO SCHOOLING COMPLETED:

Nyasa, IITGN, through the persistent and collective efforts of Nyasa volunteers and the wholehearted support of the campus community, has reached yet another milestone. Its "Pathway Programme to Regular Schooling" has enabled eight children, including four girls, of the campus construction workers to get admission into a regular school for formal education. Besides, Nyasa volunteers also distributed mosquito repellent coils, sanitary pads, clothes,.

SWEETS DISTRIBUTION DRIVE:

On the occasion of Janmashtami, Nyasa volunteers distributed sweets in the construction worker colonies as a token of appreciation. With help from the construction worker outreach team, 600 sweet boxes were distributed. The drive was conducted at MSK and Globe colony on Aug 19, 2022 for the construction workers.

MOSQUITO REPELLENT COIL DISTRIBUTION DRIVE:

During monsoon, there is increased mosquito infestation in the construction worker colonies. IITGN

has been distributing mosquito-repellent coils in the season to help construction workers stay safe. Nyasa volunteers distributed a total of 185 mosquito repellent coils. The drive was conducted at MSK and Globe colony on Aug 21, 2022 for the construction workers.

- Cloth, and sanitary pad distribution drive on Aug 21, 2022
- Teacher's Day celebration with Nyasa kids on Sep 06, 2022
- Movements (MOVEMENTS - explore the inner self with music & body movement) session with Art@IITGN on Oct 22, 2022 for Nyasa kids
- On the occasion of Diwali, as our motto of spreading smiles, the Nyasa volunteers distributed sweets in the construction worker colonies with help from the construction worker outreach team, 450 sweet boxes were distributed. The sweet distribution drive was conducted at Globe colony on Oct 23, 2022
- Diwali celebration with Nyasa kids on Oct 24, 2022 (Pooja to Goddess Lakshmi, followed by the prasad distribution, gifts distribution, and new clothes for Nyasa kids)
- Nyasa's session in the foundation program was conducted on Oct 25, 2022, in which we introduced a new initiative, "Umeed". The session was conducted with Nyasa kids in which the 1st year students taught them art and craft
- Streamlining of education provided at the Nyasa school with a bi-weekly test
- Christmas and New year celebration with Nyasa kids on Dec 26, 2022 and Jan 02, 2023 respectively

WINTER CAMP 2022:

During the winter break, students of IITGN volunteered with Team Nyasa to conduct a winter camp by engaging the children from Basan primary school with loads of fun activities to whet their critical thinking, spur their sparks, and kindle creativity. The enthusiastic children constantly challenged the energies of the IITGN students! A plethora of activities were conducted, including art and crafts, drawing, maths competition, basic computer software, speed typing on the laptop, drama classes, and dance. The winter camp was held from Dec 22-30, 2022.

LET'S DREAM, LET'S PLAY!:

This is a long-term sports project targeted at primary school kids to nurture them to play at the district, state, or national level. Apart from this, benefits include improving the health and well-being of individuals, contributing to the empowerment of individuals, and promoting the development of inclusive communities. It is a collaborative initiative of Nyasa IITGN and the IITGN sports. The program was set into motion on Jan

09, 2023. The initiative started with 40+ students from Basan primary school.

TAARE ZAMEEN PAR EVENT WITH ODYSSEY -

Nyasa collaborated with Odyssey, Astronomy Club IIT Gandhinagar for Taare Zameen Par - a star gazing event for our construction workers. It was hosted at Globe colony. The event was scheduled on Jan 20, 2023. The planet Jupiter and the Pleiades star cluster were the highlights of the event.

On the occasion of the 74th Republic Day, Nyasa, with the help of the IITGN construction worker outreach team, distributed sweets in the construction worker colonies, 850 sweet boxes were distributed. The sweet distribution drive was conducted at Globe colony

CHETANA 5.0

Nyasa reintroduced Chetana to have an opportunity for the IITGN community to give back to society by lending an hour or two to teach the Nyasa children basic elementary education, and some extracurricular activities. The children belong to construction workers' families. The long-term aim of the programme was to equip them with enough knowledge to send them to formal school systems. The programme started on Jan 23, 2023.

SANJEEVANI 2023

Nyasa, IITGN, with support from the Desai Foundation, successfully completed the seventh edition of the 'Sanjeevani Health Mela' - annual health camp - in two villages adjacent to IITGN, namely Basan and Palaj. On Jan 29, 2023, Sanjeevani was held at Basan village with the support of 30+ volunteers, which benefited more than 500 visitors. A dedicated team of specialists, including a general physician, pediatrician, gynecologist, ophthalmologist, ENT specialist, orthopedic, dentist, dermatologist, and physiotherapist, were present at the camp to provide various health services without charge. Besides, four stalls were set up by IITGN's **NEEV**, **CCL**, **Green Club** and **Nyasa** to spread awareness on different topics such as signs and symptoms of various types of cancer, ill effects of spitting in public places, the importance of nutritious food for children, and family planning, among others, which proved to be a major attraction among the visitors. Later, on Feb 7, 2023, the volunteers conducted another health camp at Palaj village which saw a footfall of more than 170 villagers. **Secretary Hillary Roddam Clinton**, who was on a visit to IITGN, also visited the health camp in Palaj and appreciated the remarkable work done by team Nyasa.

EVENTS AND ACTIVITIES

SIGNIFICANT ACTIVITIES

CHANGING OF THE GUARD

Prof Rajat Moona took charge as the director of IITGN on Oct 3, 2022. **Prof Amit Prashant**, officiating director of the Institute, handed over the responsibility to Prof Moona in a brief formal ceremony, followed by a collective welcoming programme and a delightful interactive session between Prof Moona and the IITGN community.

SECRETARY HILLARY RODHAM CLINTON AT IITGN

Former First Lady and Secretary of State of the United States of (US) and philanthropist **Hillary Rodham Clinton** visited the IITGN on Feb 7, 2023, as a part of her India visit, and interacted with faculty, students, and the larger IITGN community during a town hall at the Institute titled "Insights from Her Journey". She was joined by senior officials of the Clinton Global Initiative (CGI). Prior to her interactive town hall moderated by **Prof Bhaskar Datta**, Secretary Hillary Clinton also visited Palaj village and appreciated significant efforts of the Desai Foundation and their initiatives along with their partnership with IITGN's social outreach programmes, NEEV and NYASA, in impacting rural youth, women, and communities through skilling, entrepreneurship, and health programmes

INAUGURATION OF MAKER BHAVAN

Advancing its active and project-based learning approach, IITGN inaugurated Maker Bhavan, a multidimensional academic makerspace on Apr 09, 2022. **Dr Hemant Kanakia**, founder of the Maker Bhavan Foundation and the leading supporter behind the creation of this makerspace at the Institute, inaugurated the world-class facility that will nurture innovative thinking among students and motivate them to convert their ideas into actual prototypes.

LONG SERVICE AWARDS

IITGN established the 'Long Service Award' as a unique way to recognise the services of employees who have served the institute for a period of ten years. The maiden event for this award was organised on Apr 16, 2022, in which 57 employees, including 28 faculty and 29 staff members, were felicitated. **Prof Sudhir K Jain,** founding director of IITGN and incumbent vice-chancellor of Banaras Hindu University, was the chief guest at the ceremony and presented the awards to all recipients.

SUMMER RESEARCH INTERNSHIP PROGRAMME (SRIP) 2022

IITGN kick-started its flagship Summer Research Internship Programme (SRIP) 2022 on May 06, 2022. The 12th edition of the eight-week SRIP received more than 24,000 applications from across the country. Of these, around 155 student interns were selected from various institutes and colleges across the country, who worked on about 115 research projects offered by 54 faculty members of IITGN. The interns concluded their internship with a poster presentation competition on Jul 02, 2022. The programme was coordinated by **Prof Iti Gupta** and **Prof Vineet Vashista.**

COMMISSIONING OF 'PARAM ANANTA' AT IITGN

'PARAM Ananta', a supercomputing facility under the National Supercomputing Mission (NSM), was commissioned at IITGN on May 30, 2022. **Smt Sunita Verma**, group coordinator and scientist G, MeitY, commissioned the facility in the presence of **Prof Amit Prashant**, officiating director, IITGN; along with senior officials from MeitY, DST, C-DAC, and IITGN. This facility will serve the scientific community at IITGN as well as neighbouring academic institutions and industries**.**

UK DELEGATION AT IITGN

A 15-member UK delegation, led by British Deputy High Commissioner to Gujarat and Rajasthan, **Mr Peter Cook**, visited IITGN on Jun 9, 2022, and had discussions with IITGN faculty on academic and R&D collaborations. The delegation included senior officials and functionaries from the Department of Education, UK Government; University of Birmingham; University of Glasgow; University of Southampton; University of Portsmouth; De Montfort University; and the officials of the British Council in India.

FOUNDATION PROGRAMME - III AND AAROHAN 2022

IITGN organised Foundation Programme - III for the BTech batch of 2021 from Jul 04, 2022, and Aarohan 2022 for the new batches of MA, MSc, MTech, and PhD from Jul 18, 2022. Both programmes were packed with exciting activities and sessions to integrate new students into the culture and ethos of IITGN and shape them into well-rounded personalities. The inaugural ceremonies were held with an interactive session with **Prof Amit Prashant**, officiating director, and faculty members and alumni of the Institute. While Foundation Programme - III was coordinated by **Profs Balagopal Komarath, Biswajit Mondal, Mana Shah, and Utsav Mannu**, Aarohan 2022 was coordinated by **Profs Aashish Xaxa, Anirban Mondal**, and **Karthik Subramaniam Pushpavanam.**

GIAN COURSE ON ELECTRIC MACHINES AND DRIVES

IITGN, under the aegis of Global Initiative of Academic Networks (GIAN), organised a course on "Electric Machines and Drives in Electrified Transportation Systems" during July 18-22, 2022. **Prof Mahesh Krishnamurthy**, professor of electrical engineering at Armour College of Engineering, Illinois Institute of Technology, USA, conducted the five-day course that explored emerging trends in this area with focus on electric and hybrid electric vehicles. **Prof Ragavan K** was the course coordinator.IITGN also organised other GIAN courses in Dec 2022. The first one on 'Randomized Methods for Approximation and Parameterized Algorithms' was conducted in hybrid mode by **Prof Daniel Lokshtanov**, professor, Department of Computer Science, the University of California Santa Barbara, during Dec 5-9, 2022. It was organised by **Prof Neeldhara Misra**. The second GIAN course on 'Derrida's Moderns: How to use Deconstruction in the context of Modernism' was held online during Dec 19-23, 2022. It was conducted by Prof Jean-Michel Rabaté, professor, English and Comparative Literature, University of Pennsylvania, and organised by Prof Arka Chattopadhyay.

INVENTION FACTORY® INDIA 2022

After a gap of two years imposed by the global Covid pandemic, IITGN hosted the third edition of the Invention Factory® India, a one-of-its-kind intensive summer programme in inventing. A total 20 students from 10 IITs participated and worked in teams of two to conceive, prototype, and pitch ten unique inventions that addressed various societal and consumer needs. They filed US as well as Indian provisional patent applications for their inventions, over seven weeks. The teams were directly mentored by **Profs Nithin George**, **Madhu Vadali**, and **Jaichander Swaminathan**, as well as the founders of the original programme in the US, Cooper Union Professors **Alan Wolf** and **Eric Lima**.

ACTIVITIES BY THE ART STUDIO

The Art Studio of IITGN organised the first-ever IIT Gandhinagar Art Festival on campus from Aug 2-7, 2022. The event was packed with a number of art workshops, exhibitions, film screenings, artist talks, and performances to provide an immersive experience of different art forms to the participants. The Art Studio also hosted "**भौमय** - Threshold: an ode to Womanhood", a unique travelling exhibition of 50 original Bhil and Gond art paintings of women tribal artists from Sep 30 to Oct 3, 2022. The **ART@IITGN** initiative conducted several activities, starting with an "Exhibition on Art and Uncomfortable Ideas" during Jan 7-15. Later, on Jan 21-22, a **Comics Conclave** was organised aimed to bridge the gap between academia and the world of storytelling through comics. The event was lined up with a series of exciting talks

and interactive sessions with celebrated graphic novelists, artists, filmmakers, and academic scholars. In addition, the Conclave also had an "Exhibition of Low Art", which exhibited select and curated images from the original sketchbook of the legendary Satyajit Ray. The exhibition also showcased comics by **Orijit Sen**, **Sarnath Banerjee**, **Amruta Patil**, **Nikhil Gulati**, and **Longform Collective**. The event was coordinated by **Prof Jaison Manjaly**. Further, with the objective to bring together diverse performing artists and myriad forms of stage art expressions, Art@IITGN organised a month-long '**Theatre and Performing Arts Festival**' (TaPAF) on the campus in Feb 2023. More than 30 artists, including IITGN students and professional artists, from diverse socio-cultural backgrounds from India and abroad performed and conducted workshops and interactive dialogues in the fields of theatre, dance, and music during the festival. During Mar 11-19, **Suman Choudhury**, a visiting artist at IITGN, along with **Argha Manna**, artist-in-residence, created a mural on "A chapter from Indian Science History", with participation from the IITGN Community.

UNION MINISTER AT IITGN

Shri Ashwini Vaishnaw, Union Minister of Railways, Communications, Electronics & Information Technology, visited IITGN on Sep 13, 2022, and interacted with start-ups, industry partners, and faculty members at the Institute on the sidelines of an expo and product demonstration session in the IIT Gandhinagar Research Park. Shri Vaishnaw also participated in an interactive session with the students and community at IITGN on the theme of 'Entrepreneurship and Innovation'.

VISITING STUDENTS PROGRAMME

IITGN has started the Visiting Students Programme to enable students of other institutes or universities to join its undergraduate and postgraduate programmes for a semester or even for a full academic year. The Institute has also launched a part-time Visiting Students Programme, wherein students, scientists or engineers of other institutes or industries can register for up to two courses for a semester while pursuing other endeavours at their parent organisation. A total of 24 students from across the country have enrolled into this programme during the first semester.

IITGN-X: EDUCATION OUTREACH PROGRAMME

The Institute has launched IITGN-X, an education outreach programme that strives to engage with industry, professionals, educational institutions, schools, research entities, government and non-government establishments, and think-tanks at national and international levels. It aims to build knowledge societies and contribute to the advancement of human aspiration through uniquely designed programmes and initiatives. The programme has already conducted a number of education outreach activities including conferences, research collaboration workshops, symposia, training programmes and short courses in various domains.

IITGN-DAKSHANA LEADERSHIP PROGRAMME

IITGN joined hands with Dakshana, a not-for-profit organisation, and **Mr Ruyintan Mehta**, a serial entrepreneur, and philanthropist, to conduct a month-long IITGN-"Dakshana Leadership Programme" from Sep 1-30, 2022. As a part of the programme at IITGN, some of the best mentors from India and abroad trained 100 academically outstanding Dakshana students from humble backgrounds, predominantly from rural India, in essential skills of leadership, critical thinking, and communication. The programme was coordinated by **Prof Jaison Manjaly**.

PORTALS TO RESEARCH

With an aim to celebrate the diversity of research by postdoctoral fellows of IITGN, enable them to engage with fellow researchers, and discuss potential collaborations, the Research and Development (R&D) section of the Institute organised "Portals to Research", a first-of-its-kind poster presentation session for senior researchers, postdocs, and Early Career Fellows of the Institute on Sep 2, 2022. The session garnered an overwhelming response. The programme was coordinated by **Prof Ravi Sastri Ayyagari**.

HISTORY OF IDEAS 3.0

IITGN organised the third edition of the "Seminar Series on History of Ideas" on Sep 10, 2022, with two interesting online seminars. The first seminar on "Darwin's Theory of Evolution: Importance and Implications" was delivered by **Prof Rhitoban Ray Choudhury** from IISER Mohali. In the second seminar, **Prof Leslee Lazar** from IITGN explained "The History of the Brain Sciences: From a Cooling Device to Computing Device". The seminar was coordinated by **Prof Sudipta Sarkar**.

JEE OPEN HOUSE 2022

IITGN hosted an online JEE Open House session on Sep 15, 2022, to help JEE (Advanced) qualified BTech students and their parents to gain a better understanding of the IIT system and various career opportunities so that one can make informed choices. The interactive event was segmented into different sessions with the IITGN director, deans of Academic Affairs and Student Affairs, faculty members, students, and alumni of the Institute, and saw participation from all over the world.

SERB CONCLAVE ON WOMEN IN SCIENCE & TECHNOLOGY

The Science and Engineering Research Board (SERB), Government of India and IITGN jointly organised a national conclave on "Women in Science & Technology: Fostering Innovation" on Sep 29 & 30, 2022. **Prof Sandeep Verma**, secretary, SERB, and **Prof Amit Prashant**, officiating director, inaugurated the conclave. Nearly 200 women scientists, researchers, engineers, students, and postdoctoral fellows from industry and academia across the country participated in the two-day Conclave. The event was coordinated by **Profs Sivapriya Kirubakaran, Sriram Kanvah, Iti Gupta**, and **Bhaskar Datta**.

4TH ALL IITS CONCLAVE

IITGN hosted the 4th All IITs International Relations Conclave from Sep 30 - Oct 1, 2022. Nearly 35 participants representing the International Relations offices of 19 IITs participated in the conclave that focused on strengthening internal capacities in international student recruitment, global student exchanges and enhancing the experience of international students at the IITs. The conclave was coordinated by **Prof Achal Mehra** and **Prof Shanmuganathan Raman**.

INDEPENDENCE DAY 2022

IITGN celebrated Independence Day 2022 with great patriotic fervour. Following the flag hoisting ceremony and address to the community by **Prof Amit Prashant**, officiating director, the Institute community hosted a number of interesting events, including Beat the former Dean Challenge, poetry recitation competition, India quiz competition, and a cultural event to commemorate 75 years of India's Independence. On this occasion, IITGN also felicitated 20 employees (9 faculty and 11 staff members) with **Long Service Awards** to honour their dedicated service to the Institute for ten years. Students who had achieved a certain level of academic excellence in the last academic term were felicitated with the Dean's List Awards.

FOUNDATION PROGRAMME 2022

A total of 288 students, recommended by JoSAA, including 58 female students and two OCI students from the USA, have joined the BTech and BTech-MTech Dual Degree programmes of IITGN this year. The Institute welcomed the incoming batch of students and kick-started its flagship Foundation Programme (FP) on Oct 20, 2022, to shape new students into well-rounded individuals through a host of exciting activities. **Prof Rajat Moona**, the director, spoke to the new undergraduate students through a video message and welcomed them to the Institute. FP 2022 was coordinated by **Profs Sameer Patel, Abinaya Sampath, Rusa Mandal, Mukesh Dhanka**, and **Subramanian Sankaranarayanan**.

PG/PHD RESEARCH SHOWCASE

After a successful Undergraduate Research Showcase in Nov 2022, a large number of IITGN's postgraduate students and PhD scholars were offered a forum to communicate their research work. On Jan 11, 2023, the Institute's second-year MA, MSc and MTech students who have done or are currently doing their thesis/project were invited to showcase their research on topics as diverse as impact of stormwater control measures on the urban water cycle, (I) IT's A women's world too: how gender functions at IITs, Fabrication and characterisation of tissue-mimicking phantoms with constant viscosity and varying elasticity, SpiroActive: active learning for spirometry, Design and synthesis of nanocomposites of AuNS@AuTNP for water oxidation, and many more. Later during Jan 23-25 and 27, 2023, IITGN conducted the first edition of its PhD Research Showcase on the same lines to highlight the eclectic research undertaken by PhD scholars in various interdisciplinary fields. The showcase aimed at providing the students with the opportunity to present their work to a larger and more diverse audience, thus facilitating unique discussions and inviting novel perspectives on their research.

10TH ACADEMIC ADVISORY COUNCIL

The 10th Academic Advisory Council meeting of IITGN was held on Jan 6, 2023, with nearly 15 leading distinguished academicians from India and overseas. They deliberated on effective strategies to recruit the best faculty members, attract more international

students, introduce newer academic programmes to meet future industries' needs, and promote entrepreneurship and technology transfer among students and faculty at the Institute.

11TH LEADERSHIP CONCLAVE

The 11th Leadership Conclave of IITGN was held on Jan 7, 2022. The annual event brought together nearly 30 eminent thinkers, industry experts, academicians, and startup mentors from around the world to share their expertise and help the Institute in forming effective strategies to achieve global academic excellence. These leaders from diverse fields brainstormed and guided the Institute on ways to augment the engagement with IITGN alumni, accelerate startup culture and commercialisation of technologies at the Institute, enhance the Institute's visibility at domestic and global levels, and advance globalisation.

A LANDMARK IN FUNDRAISING

IITGN has crossed the milestone figure of Rs 100 crore in philanthropic funds received since its inception in 2008. Recognised globally for its far-sighted academic innovations, research excellence for societal impact, and institutional governance, IITGN has reached this remarkable milestone with generous philanthropic support from its wellwishers spread across the globe.

SECOND YOUNG SCHOLARS' CONFERENCE ON HOMI

As part of the History of Mathematics in India (HoMI) project, IITGN organised a second virtual 'Young Scholars' Conference on the History of Mathematics', focusing on India, on Jan 21, 2023. The conference served as a platform for young researchers from around the world to present their work in the history of mathematics or related fields such as mathematical astronomy. A total of seven young experts in the field shared their insights and research during the conference, with some original contributions; discussions followed every presentation. The workshop was coordinated by **Prof Michel Danino.**

REPUBLIC DAY 2023

IITGN celebrated the 74th Republic Day with patriotic fervour and an expression of gratitude towards members of its community. The Institute presented Faculty Excellence Awards, Campus Development Awards, and Excellence Awards to various non-teaching staff, including horticulture and housekeeping staff, security personnel, teacher for construction workers' children, electrician, grocery store owner, food and hospitality staff, institute engineers, physical training instructor, for their invaluable services throughout the past year. The extraordinary performers of Inter-IIT Sports Meets were presented with Awards for Achievement in Sports. Winners of the Undergraduate and Postgraduate Research Showcase and students on the Dean's list for excellent academic performance in Semester-I of 2022-23 were also felicitated during the event.

On this occasion, **Prof Rajat Moona** also released a booklet - 'IIT Gandhinagar in News' – that presents a glimpse of the news coverage about the Institute, its programmes, initiatives, research, and achievements in various local, national, and international news media during the year 2022. The day also witnessed a grand 'Bada Khana' (a feast) for nearly 3500 people, where all stakeholders involved in the campus development and management came together for a meal as one large family.

Adding to the Republic Day spirit, the Sports Council of IITGN conducted an exciting Surya Namaskar competition, and the Library of the Institute featured a replica of the Indian Constitution, showcased a flipbook of some key pages from our Constitution, along with a book exhibition and a virtual exhibition for the occasion. In the evening, the Cultural Council of IITGN hosted a cultural programme.

REGIONAL KNOWLEDGE FORUM ON 'ENERGIZING AGRICULTURE AND ENABLING JUST ENERGY TRANSITIONS IN SOUTH ASIA'

The Regional Knowledge Forum on 'Energizing Agriculture and Enabling Just Energy Transitions in South Asia', organised by the International Water Management Institute, Dr Kiran C Patel Center of Sustainable Development (KPCSD) at IITGN, and other partner organisations, was held at IITGN on Feb 7-8, 2023. The forum was attended by a total of 170 participants from 16 countries. The inaugural session of the event saw the presence of **Dr Alok Sikka**, country representative - India, IWMI; **Janine Kuriger**, head, Global Programme Climate Change and Environment, Swiss Development & Cooperation (SDC); **Prof Rajat Moona**, director, IITGN; **Dr Frank Rijsberman**, director general, Global Green Growth Institute; **Dr Aditi Mukherjee**, principal researcher, IWMI; and **Ulka Kelkar**, director - Climate, WRI India. Experts from the industry, government and academia discussed various issues, including sustainable management of water, renewable energy, agriculture, and solar irrigation, during the programme. The event was a part of IWMI's project titled Solar Irrigation for Agricultural Resilience in South Asia (SoLAR), funded by the SDC.

A DECADE OF CSE AND OPENING OF A NEW LAB

The Centre for Safety Engineering (CSE), one of the seven interdisciplinary centres of IITGN, completed a decade of its service for public safety. Various stakeholders, including national and international partner industries and government representatives, convened at IITGN on Dec 3, 2022, to commemorate CSE's successes and discuss the way forward. On this occasion, CSE also inaugurated Shah Bhogilal Jethalal Laboratory for Passive Fire System Testing, a one of its kind advanced laboratory of international standards in the country, established with generous support from **Shri Mukesh Shah**, Managing Partner in the Ahmedabad-based Shah Bhogilal Jethalal & Bros (AAAG India).

15TH YOUNG INVESTIGATORS' MEETING (YIM 2023)

The 15th Young Investigators' Meeting (YIM) was jointly hosted by IITGN, Ahmedabad University, and IndiaBioscience, during Feb 13-17, 2023, that brought together exceptional young and senior scientists, heads of institutions, and representatives from funding agencies for interactions focusing on science careers, mentoring and networking. The meeting was attended by nearly eighty young researchers and postdoctoral fellows, in addition to several mentors, science professionals, funding agencies (national and international) and institutional representatives for five days of talks, panel discussions, breakout sessions and poster presentations. During the event, senior scientists described their scientific journeys and shared inspirational and amusing anecdotes about their experiences with younger scientists who are establishing their careers. The event at IITGN was coordinated by **Prof Dhiraj Bhatia**.

SHRI SAVJI DHOLAKIA AT IITGN

The IITGN community was thrilled to listen to the insights of **Shri Savji Dholakia**, founder & chairman of Hari Krishna Exports Pvt Ltd, who was on a visit to the Institute on Feb 17, 2023. During his lively interaction with the audience, Shri Dholakia shared his "Story of becoming a Socially Impactful Billionaire". A recipient of Padma Shri in 2022, he is well known for his act of giving back to society and his employees.

YUVA SANGAM

As a part of the 'Yuva Sangam' programme led by the Ministry of Education under the Ek Bharat Shreshtha Bharat (EBSB) initiative by the Government of India, to strengthen people-to-people connections and build empathy between the youth of North-Eastern States and the rest of India, IITGN has been appointed as a nodal Institute in Gujarat to facilitate exposure

visits for the youth of Gujarat and Assam. **Shri Sathyanarayanan Mundayoor**, Padma Shri Awardee (2020) and a devoted educationist and social activist working in North-East India, who is also a scholar-in-residence at IITGN, inaugurated 'Yuva Sangam' at IITGN as the chief guest on Feb 24, 2023, in the presence of the director **Prof Rajat Moona**. A group comprising 18 students and off-campus youngsters from Assam arrived at IITGN to visit Gujarat, and 53 students and off-campus youngsters from Gujarat visited Assam with their respective state officers for one week to get an immersive experience of various facets of art, culture, life, and landmarks and to connect with the youth in these states.

1ST ALL IITS TRAINING & PLACEMENT OFFICERS MEET

The Career Development Services department of IITGN successfully organised the first "All IITs **Training & Placement Officers Meet" on Feb 25, 2023,** which saw participation from various institutes, including IIT Bombay, IIT Delhi, IIT Roorkee, IIT Kanpur, IIT Palakkad, IIT Indore, IIT Hyderabad, IIT Jodhpur, IIT Bhilai, IIT BHU Varanasi and IIT Patna. The participants discussed various agendas, such as best practices, skill development, industry-academia collaboration, policies, and enhancing career opportunities, among others.

TEDX IIT GANDHINAGAR 2023

IITGN successfully concluded the much-anticipated TEDxIITGandhinagar on Feb 26, 2023, leaving attendees feeling invigorated and inspired. Focused on the theme "Behind the Scenes", the event offered a unique opportunity to discover the hidden stories of our speakers from different backgrounds. Through a series of engaging talks, the speakers, namely Amitabha Singh, cinematographer, national award winning filmmaker, founder of Cinevidya, and an educator; Reema Nanavaty, director of Self-Employed Women's Association (SEWA) and a Padma Shri awardee; Anurag Chauhan, founder of Humans For Humanity, social activist and recipient of several awards; and Akshay Singhal, founder of Log9 and a Forbes under 30 Asia awardee; shared their experiences of what it's like to work behind the scenes and provided an insight into the often overlooked or unknown aspects of various industries or fields. The event provided a stage for the

participants to interact with the speakers, network with like-minded individuals, exchange ideas and form new collaborations.

SCIENCE DAY 2023

IITGN, with support from the Royal Society of Chemistry, celebrated 'National Science Day' on its campus on Feb 28, 2023, by organising an 'Open Day' with several exciting and hands-on activities and scientific demonstrations for school and college students. Around 1000 school students from 15 schools and 200 college students from six higher education institutions/universities from Ahmedabad, Gandhinagar, and nearby districts visited the IITGN campus to explore, experience, and enjoy Science and its wonders. The celebration concluded with a popular lecture by Dr Rajamannar Thennati, Sun Pharmaceutical Industries Ltd, on the topic "Development and Innovations in Pharmaceutical Industry". The event was organised by **Profs Sivapriya Kirubakaran** and **Sriram Kanvah**.

IITGN AND RGU CO-ORGANISED A NATIONAL CONFERENCE

The HSS discipline of IITGN joined hands with the Department of Anthropology, Rajiv Gandhi University (RGU), Arunachal Pradesh, to organise a national conference on "Tribes, State and the Environment: Contemporary Research in India's North East" at the RGU campus in Itanagar, during Mar 6-7, 2023. A total of 21 participants from universities across the world attended the conference, which focused on environmental issues and their linkages with the tribal communities in North East India. The event was funded by the Anthropological Survey of India; the Indian Council of Social Science Research (ICSSR), New Delhi; and ICSSR-NERC, Shillong. **Prof Ambika Aiyadurai** from IITGN and **Prof Sarit K Chaudhuri** from RGU co-organised the event.

1ST ALL-IIT DEAN OF STUDENTS CONCLAVE

IITGN hosted the deans of Student Affairs from various IITs across India to participate in the first-ever "All-IIT Dean of Students Conclave" on Mar 10-11, 2023. **Prof Sivapriya Kirubakaran**, dean of Student Affairs

at IITGN, commenced the session by welcoming the participants to the Institute, followed by opening remarks by **Prof Rajat Moona**, director, IITGN. The conclave members brainstormed on various challenges and new initiatives of their Institutes for making students' lives better in IITs.

MAHFIL-E-MUSHAIRA

Mahfil-e-Mushaira, an evening of Urdu poetry recitation, was organised at IITGN on Mar 17, 2023. The event saw participation from students, staff and faculty members, who recited Ghazals and Nazms of various poets.

PLAY INSPIRED BY SWAMI VIVEKANANDA

IITGN and the Ministry of Culture, Government of India, co-organised a stage play inspired by the priceless words, character-building, life and dialogues of Swami Vivekananda on Mar 18, 2023. The play was presented by a team of artists of Rashtrakavi Ramdhari Singh 'Dinkar' Smriti Nyas (RRSDSN), New Delhi, including five members from IITGN. Prof Rajat Moona, director, IITGN; Shri Neeraj Kumar, president, RRSDSN; and Dr Keshubhai Desai, an illustrious writer in Gujarati literature graced the occasion with their presence and commenced the programme by lighting a lamp. The play was designed to be immersive, engaging, and thought-provoking, providing the audience with a glimpse into the life of Swami Vivekananda.

INITIATIVES BY INSTITUTE MANAGEMENT SYSTEM (IMS)

The **Institute Management System (IMS)**, an essential component of IITGN's infrastructure, working towards a paperless office, and automating and streamlining major IITGN functioning, recently developed a platform for students to view their transaction details called the 'Student Accounts Statement', which processes quickly and greatly reduces paperwork and time on administrative staff. Further, to make the students' thesis evaluation procedure seamless, the team has come up with a system that covers all activities involved in a PhD thesis — from the submission to the reviewing to the reminders set for the submission of reports; the entire process has been automated. The team has also upgraded the existing 'asset management system', which enables managing and optimising the purchase of end users under the Material Management (MM) department of IITGN. This revamped system facilitates cutting short the time for the user by merging the multiple purchase order of an indenter under one PDF file, helping both parties save time. This module also facilitates ease in functioning and paper saving for the MM department to maintain the purchase record in one single database. Moreover, the team also conducted the second session of 'IMS Functional

Training' aiming to maximise the long-term benefits of IMS implementations, enhance functional fit during the IMS post-implementation phase, and facilitate the sharing of information across the modules/sections to eliminate inconsistency and duplication of effort. Additionally, the IMS portal also helps the accounts section to collect payments online in collaboration with third-party payment gateway providers.

YUSUF HAMIED CHEMISTRY CAMP

IITGN conducted a three-day residential Yusuf Hamied Chemistry Camp for more than 80 grade IX students during Mar 29-31, 2023, in association with the Royal Society of Chemistry (RSC), India. This was the 41st edition of Yusuf Hamied Chemistry Camp, hosted for the second time at IITGN and organised as part of the RSC Yusuf Hamied Inspirational Science Programme. The participating grade IX school students were selected from around 30 schools from different districts of Gujarat, including Rajkot, Chhota Udepur, Sabarkantha, Banaskantha, Patan, Ahmedabad, Gandhinagar. During the camp, the school students were acquainted with chemistry lab safety tools and equipment and were provided hands-on experience to do various lab experiments including colour creation, crystallisation, forensic challenge, clock reactions, hydrogel investigation, global coin battery experiment, and various short experiments. There were two lectures by IITGN faculty members **Prof Ragavan K** and **Prof Bhaskar Datta** and a chemistry experiments demo by **Prof Sriram Kanvah**. **Prof Biswajit Mondal** and **Prof Anirban Mondal** were co-coordinators of the programme along with **Prof Sivapriya Kirubakaran**, dean, Student Affairs as the overall coordinator of the camp.

STUDENTS' EXTRA CURRICULAR ACTIVITIES

UDAAN 2022

IITGN hosted its signature farewell programme, "Udaan", for the graduating students on Apr 13, 2022. The final evening was made memorable with speeches and anecdotes shared by students and faculty members.

EXPLORER FELLOWSHIP 2022

The Explorer Fellowship, one of the flagship programmes of IITGN, resumed this summer after a gap of two years due to the Covid pandemic. A few select IITGN student teams undertook the fellowship and went to explore different parts of India. Upon their return, the teams shared their experiences and learnings with the IITGN community in the form of presentations and short films on Sep 19, 2022.

UNDERGRADUATE RESEARCH SHOWCASE

The Institute organised an Undergraduate Research Showcase on Nov 18, 2022. Several IITGN undergraduate students from different disciplines made poster presentations of their research work to the Institute community. The event proved to be a forum to actively engage in research discussions and receive feedback from a diverse audience, including faculty members, senior researchers, and fellow students.

STUDENTS' ACTIVITIES

The Design and Innovation Centre organised two exhibitions to celebrate and showcase the work of students who had opted for two design courses - 'Playing with Possibilities: Gaming New World' and 'Creativity, Design and Doing' during the third week of April. Additionally, Palette, the art club of IITGN, organised Exhibit 2.0 on Apr 19, 2022, to showcase more than 60 paintings and sketches made by the IITGN community. The Quizzing Society at IITGN, in collaboration with IIT Hyderabad's Quiz Club, conducted a pan-India quiz competition on the theme 'Anime Quiz'.

AMALTHEA'22

The 12th edition of Amalthea, the entirely student-run annual technical summit of IITGN, was organised on Jan 21-22, 2023, with its trademark blend of expert knowledge and hands-on learning with fun. This year's theme - 'Initiate Innovate Inspire' – encouraged young minds to ponder upon current issues and seek innovative and feasible solutions. On the one hand, tech events like Drone Racing, Roboquest, D'Code, and Icon enthralled the students, while on the other, the symposium and conclave helped them delve deep into the future of technology with insights from industry stalwarts.

BLITHCHRON'23

After a prolonged hiatus of two years, the 10th edition of 'Blithchron', the annual cultural festival of IITGN, made a triumphant offline return on Feb 18-19, 2023. This year's festival showcased all of its signature events along with several exciting new additions. The two-day festival concluded with grand performances by DJ Ravator and Sabali - The Band. Hundreds of participants from institutions across the country, as well as some participants from the UK and Nepal, registered for Blithchron'23 to visit and participate in the festival.

ACTIVITIES BY CULTURAL COUNCIL

The Cultural Council organised an interesting lineup of activities during this quarter, including "Make It Stick", a sticker design competition by Palette; a hip-hop

dance workshop organised by Step Up; a photography workshop by Fujifilm Experts; celebration of festivals; celebration of Hindi Week in coordination with the Hindi Cell; various movie screenings by Cinematheque; and a movie screening, followed by a focus group discussion of the movie 'Darlings' by Awaam.

SPORTS ACTIVITIES

A DAY WITH A CHAMPION

The Institute also hosted world number one girls junior badminton player **Ms Tasnim Mir** on May 2, 2022. She visited IITGN's newly built Sports Complex, interacted with the Institute community in a Q&A session, and played an exhibition match in the new badminton court.

IITGN CRICKET LEAGUE (ICL)

On May 30, 2022, IITGN commenced the IITGN Cricket League (ICL) with the objective to bring together cricket enthusiasts from different corporates and institutions in the vicinity and give them a memorable experience of playing a professional tournament. The 18-match league was played between 12 teams in the new cricket ground at IITGN. The ONGC emerged as the winner of the league in the final match played with Gujarat Secretariat on Jun 28, 2022.

INTERNATIONAL DAY OF YOGA

The IITGN community celebrated the 8th International Day of Yoga with great energy. The demonstration and practice of yogasanas in the morning was followed by two insightful sessions on "Relevance of Yoga in Everyday Life" by **Prof Nitin Padhiyar**, IITGN and **Hemant Shah**, an independent yoga instructor.

LEAGUE OF RESIDENTS

The Physical Education section organised a League of Residents for the IITGN staff, faculty members and their families from May 06-08, 2022. The three-day event included several sports and games such as football, cricket, badminton, table tennis, walkathon, sack race, relay race, parent-kid doubles badminton championship, tour de IITGN cyclothon, parent-kid table tennis doubles, etc.

SQUASH COACHING CAMP

IITGN organised a one-month squash coaching camp from May 23 - Jun 23, 2022, at the newly built Sports Complex of the institute. For the first time, the coaching camp and squash courts at the Institute were made available for external participants as well, including participants from neighbouring villages. The camp was led by **Mr Mukesh Rai,** a Squash Racket Federation of India (SRFI) certified coach from Delhi.

IIT GANDHINAGAR SQUASH OPEN

IITGN, in association with the Squash Racket Federation of India (SRFI) and All Gujarat Squash Racquet Association, hosted the first edition of 'IIT Gandhinagar Squash Open' from Aug 17-21, 2022, at the ultramodern Sports Complex of the Institute. The event hosted about 250 athletes from 20 different states across the country to play in 13 different categories. **Prof Jaison Manjaly** coordinated the event.

INTER-IIT AQUATICS MEET AND INTER-IIT SPORTS MEET

A total of 23 students represented IITGN in the 36th Inter IIT Aquatics Meet held at IIT Delhi. **Adit Rambhia**, a BTech student at the Institute, bagged two gold medals in the 100m freestyle and 200m individual medley (M) race categories, and a silver medal in the 100m butterfly race. About 132 IITGN students took part in the 55th Inter-IIT Sports Meet organised at IIT Delhi and IIT Roorkee. While the women's basketball team secured the fourth position, the IITGN contingent was ranked third in the parade. A total of 49 IITGN staff and faculty members participated in several games at the 27th Inter-IIT Staff Sports Meet held at IIT Delhi. IITGN secured bronze medals in men's cricket and women's shot put.

IITGN CO-HOSTED 36TH NATIONAL GAMES

IITGN co-hosted athletics, squash, softball and triathalon events of the 36th National Games from Sep 30 - Oct 11, 2022. As a part of this sports extravaganza, IITGN hosted about 45 athletics events, including track, jumping, and throwing events; squash matches; softball; and triathlon. Several national and international-level players and athletes from across the country visited the Institute and played at the world-class sports complex of IITGN.

IITGN STUDENTS CRICKET LEAGUE

IITGN organised a Students Cricket League and invited the nearby colleges for the tournament from Oct 15 - Nov 3, 2022. Of the eight teams that participated, the final match was played between Ahmedabad University and Kadi Sarva Vishwavidyalaya (KSV), which was won by the latter by 30 runs.

SUB-JUNIOR NATIONAL RUGBY CHAMPIONSHIP AT IITGN

The state-of-the-art Sports Complex of IITGN hosted the 'Sub-Junior National Rugby Sevens Championship 2022' during Dec 21-22, 2022. A total of 26 States & Union Territories from across India participated in the tournament with their U-14 Sub-Junior National Rugby teams. The event also saw the presence of

Mr Rahul Bose, a renowned Indian actor, director, screenwriter, and Rugby India's President, during the prize distribution ceremony.

SKATEBOARDING AND WALL CLIMBING WORKSHOP

The sports department at IITGN organised a three-hour skateboarding workshop and a wall climbing workshop during Jan 21-22 and Mar 13, 2023, respectively. The first workshop, facilitated by **Mr Siddharth Chandran** and his team from Vadodara, Gujarat, equipped the participants with the basics of skateboarding as well as focused on its urban approach and skateboarding with progressive elements and obstacles. Whereas, the second workshop, conducted by **Prof Rajat Mittal** of IIT Kanpur, focused on teaching the basic techniques of wall climbing, including belaying and tying a safety knot.

HALLABOL 2023

The 11th edition of Hallabol, the annual sports festival of IITGN, brought the Institute community together to compete in 11 thrilling games that spanned 11 nights from Feb 11-26, 2023. With intensifying games like futsal, gully cricket, seven stones, tug of war, frisbee, dodgeball, foot-volley, and kho-kho, among others, Hallabol ignited an unquenchable spirit of energy, enthusiasm and excitement among the contestants.

INTRA-COLLEGE SPORTS LEAGUE 2023

During this quarter, the IITGN Sports department organised several tournaments under the Intra-college Sports League, including the League of Football Players, Cricket Combat League, Badminton Super League, Srija Memorial Volleyball League, Table Tennis League, Basketball League, and Kautilya Chess League. These sports events, organised over the years, have promoted the culture of sports in the Institute.

AWARDS & MEDALS

- **Sumit Yadav**, a preparatory course student, won a gold medal in the long jump at the 7th UP State Para-Athletics Championship-2023 and also bagged two silver medals in the long jump and javelin throw games in the U-19 boys' category at the 12th National Junior & Sub-junior Para-Athletics Championship 2023. He has also qualified for the national para athletics championships.
- The **girls' basketball team** clinched a silver medal in the Justice League organised by Gujarat National Law University.

STAFF ACTIVITIES

AAGMAN 2.0

The Staff Development Cell organised the second edition of Aagman, the staff induction programme of IITGN, to welcome new staff members to the Institute during Apr 29-30, 2022. The newly joined 25 staff members had an opportunity to interact with their colleagues and other officials of the Institute to familiarise themselves with IITGN's working pattern, culture and ethos.

OUTBOUND TRAINING 4.0

With an aim to strengthen the camaraderie among its staff members and help them take a break from their monotonous routine, IITGN's Staff Development Cell organised the fourth edition of its Outbound Training Programme (OBT 4.0) on Dec 10, 2022. The day-long programme, planned at a resort near Parvati Hills, Himmatnagar, Gujarat, facilitated experiential learning through activities designed to improve leadership, teamwork, and motivation among the staff members. A total of 52 staff members enjoyed a day off with their colleagues.

STAFF ACHIEVEMENTS

- IITGN secured two bronze medals in men's cricket and women's shot put at the Inter-IIT Staff Sports Meet at IIT Delhi.
- The **staff cricket team** secured a silver medal in the Dr Vikram Sarabhai Space Cricket tournament.
- The **staff football team** won the fair play trophy in the ONGC Cup Invitation Football Tournament 2022-23.

REACHING OUT

VISIT TO THE USA AND NEW COLLABORATIONS

A team of faculty members from IITGN, comprising **Profs Amit Prashant**, **Ashutosh Srivastava**, **Jaison Manjaly, Neeldhara Misra**, **Nithin George**, and **Pratik Mutha** visited several cities in the USA to promote international collaborations, expand institutional networks and strengthen alumni and well-wisher networks from May 30 - Jun 18, 2022. Meetings and events were held in Boston, Seattle, San Francisco, San Diego, Tampa, New Jersey, and Washington DC. During the visit, IITGN entered into a Memorandum of Understanding (MoU) with the Department of Mechanical Engineering, University of Washington, Seattle, on Jun 01, 2022, to promote global educational and research opportunities for students and faculty, and foster a spirit of collaboration and cooperation.

Another agreement was signed with the University of Miami on June 10, 2022, to facilitate student exchange and academic and research collaboration between the two institutes.

Prof Rajat Moona, director, was invited to interact with school students at the 30th National Children's Science Congress held on Jan 29, 2023, at Science City, Ahmedabad. He was also invited as a special guest at the 12th Convocation of Gujarat Technological University, Ahmedabad, on Feb 02, 2023.

An IITGN team comprising **Prof Vinod Narayanan**, **Prof Pankaj Khanna**, **Mr Saumil Shah**, and **Mr Vijay Sutreja** participated in the UNESCO India–Africa Hackathon in New Delhi on Nov 22-23, 2022, which hosted more than 600 innovators, students, educators, teachers, and the research community from 20+ countries.

DISTINGUISHED VISITORS

Mr Bill McHugh, executive director, Firestop Contractors International Association (FCIA), visited IITGN on Feb 1, 2023. During his visit, he took a campus tour and visited the Fire Engineering Research Laboratory (FERL) and the Research Park. The Centre for Safety Engineering is exploring the possibility of having a FCIA chapter/committee in India to train and certify contractors in the installation of fire stops and perimeter barriers.

Shri Savji Dholakia, founder & chairman of Hari Krishna Exports Pvt Ltd, visited IITGN on Feb 17, 2023, and shared his "Story of becoming a Socially Impactful Billionaire".

CAMPUS

CAMPUS DEVELOPMENT

CONSTRUCTION UPDATES

Construction of the campus is progressing well. Except for the academic buildings, which are nearing completion, all other Phase 1 projects have been completed and operationalized. The masterplan for Art on Campus is completed & the phased installation will be started soon. The architect selection for the design of the residential buildings for the Phase 2 construction is completed and planning is in progress.

GREEN CAMPUS

IITGN encourages its community to keep the campus green and clean through various programs like Foundation Programme for new students, World Environment Day and Earth Day, cleaning and plantation drives, etc. The Green Office Committee and Student Green Club organised various sessions and programs to spread awareness for waste management, segregation, and food waste.

IIT Gandhinagar observed "Swachhata Pakhwada" from Sep 1-15, 2022. A number of events were conducted including a vehicle-free day on campus, a competition for the best hostel for waste segregation, blog writing competition, a visit to the sewage treatment plant, water treatment plant and biogas plant, environment related book exhibition at central library, environment related movie screening & seminar, plogging session in the campus, waste management session for housekeeping staff, office attendants, residents and construction workers. A large number of community members participated in these events.

The organic farm committee established by the Institute plans and executes ideas for fruit and vegetable plantations on the campus.

Some of the infrastructural assets and aspects that continue to contribute to the green practices include carefully planned architecture, eco-friendly sewage treatment plants, rainwater harvesting systems, a biogas and composting system, waterless urinals in hostels, a drip irrigation system, and solar photovoltaic installations.

- From Apr 2022 - Mar 2023, the Institute generated 6,80,793 kWh of solar power, which is 6 % of the total energy consumption of the campus during that period.
- In 2022, a total of 20.37 million litres of rainwater was harvested in Jal Mandaps.
- From Apr 2022 - Mar 2023, 39,800 kg of manure was supplied for horticulture, which was made from organic waste through the on-campus biogas plant and compost pits.

CAMPUS EXPERIENCE

Service of two CNG vehicles for internal transport has been started again from May 9, 2022 which was suspended due to covid for the past two years. These two Green Shuttles (EECO Cars) operate between Housing Block (HB-14) and Academic Block (AB-6) at every 15 minutes duration from morning till evening.

The newly commissioned sports complex has world-class facilities for the benefit of the external community, including sports enthusiasts, corporates, and institutes. In the recent past, the Institute organised the IITGN Cricket League, coaching camps such as karate, badminton, squash, chess & swimming.

IIT Gandhinagar hosted the National Level Squash Open from Aug 17 - 21, 2022. The Institute also hosted the 36th National Games from Sep 30 - Oct 11, 2022, for athletics, squash, softball, and triathlon events.

EVENTS:

- **Seminar on Campus Development: Reflection & Future Direction**: Many of the construction projects of phase 1 at IIT Gandhinagar have been completed and are operational now. To celebrate this significant achievement and reflect on the collaborative journey of development, IITGN organised a seminar on Campus Development on Jun 27, 2022.

- **Bada Khana**: In line with its inclusive philosophy, IITGN organised a Bada Khana on Jan 26, 2023 to celebrate the hard work and dedication of everyone associated with the campus development, wherein everyone had a meal together.

MAKER BHAVAN

The Maker Bhavan at IITGN is a symbol of the institute's commitment to the spirit of making, where active learning approaches are adopted within academic programs to foster a culture of experimentation and exploration. At Maker Bhavan, students have access to a collaborative makerspace, where they can unleash their creativity, design, and bring their ideas into real, functional prototypes and products. This space provides an ideal environment for full semester project courses, where students can channel their ingenuity into solving real-world problems. Moreover, the Maker Bhavan engages with startups and industry, which allows them to leverage the facility's state-of-the-art resources and intellectual capital.

During the past academic year, the Mechatronics course taught by **Prof Madhu Vadali** and the Heat and Mass Transfer course taught by **Prof Soumyadip Sett** were conducted in the Maker Bhavan. The Maker Bhavan's own project course on developing a payload towing remote-controlled vehicle was also a roaring success.

The Maker Bhavan also hosted a number of workshops including one on Printed Electronics Workshop and another on FPGAs. These short duration courses and workshops are designed to equip students with the necessary skills to innovate and create. In addition, the Maker Bhavan hosted the Invention Factory 2022, a 6-week program that saw 20 students from different IITs come together to ideate and develop 10 unique inventions, which are patentable in India and the US. The institute celebrates the Maker Bhavan and its contribution to nurturing a culture of innovation and creativity on our campus.

TINKERERS' LAB

As a testament to the institute's strong emphasis on hands-on learning and creative freedom, Tinkerers' Lab continues to provide its facilities to the IITGN community. The lab is a 24x7 accessible makerspace designed to provide the community with a state-of-the-art facility where they can explore their creativity and turn their ideas into reality. The lab is equipped with a range of tools and equipment, from 3D printers and laser cutters to soldering stations and power tools, enabling users to prototype their ideas with ease. Regardless of whether one is a student, researcher, or simply an enthusiast, the lab provides an opportunity to develop one's technical skills and explore one's creativity, all the while being a part of a vibrant and supportive community. Being a student-run facility, the Tinkerers' Lab provides the students with an unrestricted environment to bring the most crazy ideas to life.

This year, the Tinkerers' Lab Team laid strong emphasis on spreading a technical yet fun culture among the students. Throughout the year, the student body was encouraged through different events to think outside the box and take risks, fostering a culture of innovation and collaboration. They were equipped with basic skills to use every prototyping machine in the Tinkerers' Lab through workshops. Students were encouraged to take up DIY projects, which assisted them in getting hands-on experience in prototyping, soldering, programming and sensor integration.

Events:

1. **Machine Workshops:** Spread over Aug-Sep, these were open workshops to introduce the community to laser cutting, 3D printing, vinyl cutting and PCB milling.
2. **Glide-A-Thon:** Organised on Nov 8, 2022 in collaboration with Amalthea, around 76 students participated in teams to design a glider with Balsa wood and compete to fly their glider to the farthest!
3. **Mechanical Mirror:** An event specially organised for freshers, attempted to collaboratively make a single mechanical mirror controlled by 300 servo motors.

INFORMATION SYSTEMS TECHNOLOGY FACILITY (ISTF)

The Information Systems Technology Facility (ISTF) continues to provide user-level services to the IITGN community. ISTF's state-of-the-art networking infrastructure enables the provision of information systems and computational facilities to users who live on and outside the campus.

The ISTF is responsible for managing the following:

- servers, classrooms, campus networks, internet and email services, firewall, and communication devices
- high-performance computing (HPC) facility and computer lab
- maintenance of computer hardware and software
- ISTF houses video conference rooms via the National Knowledge Network (NKN) line

The infrastructure of the rooms is also equipped to facilitate hybrid virtual classes. The hybrid classroom is an advanced learning environment created using high-speed internet, supplicated video conferencing devices, and other gadgets to help in classroom teaching. These classrooms provide interactive and flexible approaches to e-learning and can also be used for facilitating collaborative discussions and hosting seminars/webinars and workshops. The ISTF has been proactive in facilitating online learning facilities and also encouraged members to make the best use of software and other tools like Zoom, Google Meet and Microsoft Teams. VPN service has been provided to students so they can work remotely during this unprecedented pandemic. Moreover, we have implemented online proctoring software (Mettl), which can be seamlessly used to conduct online assessments. In addition to the above, ISTF team members have technically supported the outgoing PhD students and their supervisors to conduct the final doctoral defenses seamlessly. Recently, the ISTF has commissioned the installation of new hardware and software for the IMS Project in its production environment. Also, the virtual servers from the old landscape to new upgraded hardware were moved seamlessly, offering a better throughput and overall performance.

The ISTF constantly undertakes various in-house projects to enhance its skill sets and stay up-to-date with recent technology. The team has successfully completed the following projects:

- implemented IT infrastructure at new hostels, guest houses, studio apartments, director residence, research park and central arcade
- organised hackathon for IITGN students
- refreshing email and web service
- conducted cyber security awareness sessions for IITGN community members and nearby villagers
- conducted AI/ML workshop for IIT Gandhinagar users in collaboration with Amazon Web Services (AWS)

MEDICAL CENTRE

The Medical Centre served the community's health care needs with a team of three consulting doctors, a gynaecologist, and two trained male nurses and an assistant nurse on a full-time basis.

IITGN has empanelled several hospitals in Gandhinagar and Ahmedabad for hospitalisation of staff, students and faculty. Hospitalisation of all students is covered under a medical insurance policy. A team of two trained male nurses and an assistant nurse is available on full-time basis to provide first-aid and for routine medical services such as checking temperature, blood pressure, blood sugar, oxygen level etc. Other facilities include ECG machine, pulse oximeter, oxygen concentrator, nebulizer, glucometer, otoscope, suction machine, eye check-up facility and 24-hour vehicle facility for patients in case of emergency. The institute has an in-house pharmacy that stocks medicines that are commonly used. A blood collection facility is also available for pathology tests. Four beds are provided for indoor patients. A fully equipped physiotherapy centre is available for staff, students and faculties. The Medical Centre's team of doctors, nurses, and staff were in the frontline in the fight against the COVID-19 pandemic throughout the year.

PHYSIOTHERAPY CENTRE

A qualified physiotherapist is available at the physiotherapy centre from 5:30 - 7:30 pm every day except Sunday. The physiotherapy department is well equipped with modern equipment such as electrotherapy machines like shortwave diathermy (SWD), TENS (trans-electrical nerve stimulator), IFT (interferential therapy), paraffin wax bath (PWB), muscle stimulator machine, cervical and lumbar traction machine, ultrasound machine, hot & cold packs and laser machine. The exercise therapy section is equipped with shoulder wheel, wall ladder for frozen shoulder exercises, therabands for strengthening muscles, rope and pulley for shoulder exercise, springs, weights cuffs (sand bags), and physio ball, quadricep table, full dumbbells set, tube theraband exerciser, wooden rocker balance board, wrist supinator-pronator, ankle board with spring, bolsters set, static exercise bicycle, vibrator to improve lower limb blood circulation, handy vibrator. The centre also offers physiotherapy for orthopaedic conditions such as arthritis, tennis elbow and for neurological conditions like sciatica, cervical spondylosis, post-operative and postfracture physiotherapy management, treatment for sports related injuries, spinal rehabilitation in postural problems like backache, cervical spondylosis. The patients are also advised about basic exercises and general guidelines for weight management and general well-being.

DAY CARE CENTRE

The IIT Gandhinagar Day Care Centre was started in March 2014 as a community initiative to provide a safe and nurturing environment for the children from IITGN families. Located in one of the housing blocks close to community residences, the child-friendly facility is nothing less than their own beautiful home. Passionate community members who have had prior experience in child care help with designing the curriculum and facilitating the day-to-day operations. We are proud to have well-trained and loving staff members who provide feedback based childcare. At our daycare we believe in treating our children as little people. This helps them bond well with other children and care-takers and would eventually help them grow into compassionate, considerate and responsible individuals.

The centre offers unique, non-traditional developmental programmes for the children to learn through music, dance, play and exploration. Some of our flagship programmes are listed below:

MORNING PROGRAMME: From July 2018, the daycare started a new morning programme in which children from the community could enroll just like they would in any pre-school. This programme is well-liked by parents and the kids because it is a fine mélange of traditional teaching methods and unconventional activities that suit every age group at our centre. This year our children visited the fire station in Gift City as part of a field trip. They got to see the fire trucks, the equipment, fire fighters and their operations up close.

KIDS SUPPORTED AGRICULTURE (KSA): This is the most-loved programme to date. It lets the kids get their hands dirty and grow their own veggies. The children truly enjoyed sowing and plucking methi, spinach, brinjal and other such vegetables. Routine activities were designed keeping the sensory world of children in mind (sight, touch, taste, smell and sound).

COOKING SESSIONS: A very important activity in a child's day where our expert chefs love putting together sandwiches and decorating cupcakes for dessert.

OTHER EVENTS: The centre also hosts pyjama parties, movie times, parents date nights, mango and amla picking sessions, festival celebrations and sports day events. The daily routine in the daycare comprises music and movement activities, art and craft sessions, basics of yoga and gymnastics, story time, classroom teaching through play and exploration and also sand and water play sessions.

Together these activities hone the children's concentration, imagination, problem solving and motor skills. In summary, our unique curriculum focuses on holistic development to bring out the best in the little children and thereby promote their progress. These activities serve as vital tools for the development of key physical, social and intellectual skills in the children.

SUPPORT FOR THE INSTITUTE

SCHOLARSHIPS

SHREE JANARDAN TALDEVKAR SCHOLARSHIP

Madan Taldevkar, a BTech alumnus of 2015, has set up the **Shree Janardan Taldevkar Scholarship** in honour of his late father. The scholarship of Rs 1 lakh per year will support students at IITGN. Madan was the recipient of the merit-cum-means scholarship at IITGN while pursuing his BTech in mechanical engineering. After graduation, he joined Tata Motors as a manufacturing engineer. He completed his master's in industrial engineering from Texas A&M University in 2020 and currently works as a senior industrial engineer at Tesla, USA.

ASHA & CHANDRAKANT NAVARKAR SCHOLARSHIP

Abhishek Navarkar, a BTech alumnus of 2015, has set up the **Asha and Chandrakant Navarkar Scholarship** in honour of his parents. The scholarship of Rs 1 lakh per year will support students at IITGN. After completing BTech in mechanical engineering from IITGN, Abhishek did his master's from Purdue University, USA, and is currently working as a data scientist at Amazon, USA.

DEVIKA AND PRASHANT NADKARNI SCHOLARSHIP

Dr Neel Nadkarni, a BTech alumnus of 2012, has set up **Devika and Prashant Nadkarni Scholarship** in honour of his parents. This scholarship of Rs 1 lakh per year will support students at IITGN. After graduating with a BTech in Mechanical Engineering from IITGN, Neel completed his master's and PhD from Caltech, USA. He is currently working as an applied scientist at Amazon, USA.

ERACH AND MEHEROO MEHTA DAKSHANA MEMORIAL SCHOLARSHIP

Mr Ruyintan (Ron) E Mehta, a New Jersey-based serial entrepreneur, has set up the **Erach and Meheroo Mehta Dakshana Memorial Scholarship** in honour of his late parents. The scholarship of Rs 1 lakh per year aims to support academic excellence at IITGN and will be given for four years to five students from the cohort participating in the Dakshana Scholars Programme organised by IITGN. Mr Ruyintan Mehta did his BTech from IIT Bombay and master's degree in Chemical Engineering from the University of Connecticut. He is passionate about giving back to several educational and social causes in India.

BHALODIA-KHETAN SUMMER RESEARCH EXCELLENCE AWARD (SREA)

New Jersey-based well-wishers of the Institute, **Ms Vidya Bhalodia** and **Dr Amit Khetan**, have set up the Bhalodia-Khetan Summer Research Excellence Award (SREA) in honour of their parents. The SREA will recognise excellence in research conducted each year during IITGN's flagship Summer Research Internship Programme (SRIP) through three awards, one each in engineering, natural sciences, and humanities & social sciences. Dr Amit is senior vice-president in Quantitative Analysis at D E Shaw & Co. He completed his BS and MS in computer science from MIT, and PhD in mathematics from the University of California, Berkeley. Ms Vidya is a Data Scientist in the healthcare sector and works on analytics with clinical perspectives to make people's lives better. She holds a BS and MA in neuroscience from Caltech and Washington University, St Louis, respectively, and a master's in software engineering and a certification in data sciences from Harvard University.

FACULTY CHAIRS

ANU AND B V JAGADEESH CHAIR

Shri B V Jagadeesh and **Smt Anuradha Jagadeesh**, US-based well-wishers of IITGN, have established **Anu and B V Jagadeesh Chair** at IITGN to support innovation and entrepreneurship activities at the Institute and create opportunities for students for hands-on learning, networking, and professional development in these areas to help them succeed in the global economy. Smt Anuradha Jagadeesh is the founder of KonnectMe, a social networking platform that connects people with similar interests and goals. She has a strong background in engineering and is passionate about using technology to solve real-world problems. Shri B V Jagadeesh is a Silicon Valley-based entrepreneur with an outstanding track record of success in the technology industry. He has founded and funded many enterprise start-ups and is known for his innovative approach to problem solving and his ability to bring new technologies to market. He is also actively involved in various philanthropic efforts.

PANDYA-SHIVPURI CHAIR IN POPULATION DYNAMICS

Dr Darshan Pandya of Milwaukee, Wisconsin, USA, along with his wife, **Dr Chandra Shivpuri**, has extended generous support to establish the **Pandya-Shivpuri Chair in Population Dynamics** at IITGN to promote excellence and leadership in interdisciplinary research through various scholarly activities in the field of population dynamics. Dr Darshan Pandya is an IT industry stalwart and philanthropist. He pursued his BSc (Honours) and PhD in chemical engineering, followed by an MSc in operational research and management studies, all from Imperial College, London. He has worked with British Petroleum in London, National University of Singapore, and IT industries in Canada and USA. Dr Chandra Shivpuri is a neonatal medicine specialist with over 51 years of experience in the medical field. She graduated from Jawaharlal Nehru Medical College, AMU and completed her residencies in psychiatry at Oklahoma State University and in pediatrics at Case Western Reserve University in Cleveland, Ohio, followed by a fellowship in neonatal-perinatal medicine.

SUDHIR K JAIN CHAIR

The IIT Gandhinagar Foundation (IITGNF) in the USA and IITGN have joined hands to support educational excellence at IITGN by setting up the **Sudhir K Jain Chair** to honour the contributions of **Prof Sudhir K Jain**, the founding director of the Institute. The faculty chair will be offered to the regular director of IITGN.

ARCHAEOLOGY CHAIR AND LABS

With an aim to boost scientific, multidisciplinary, fact-based approach to advance research in archaeological sciences, the Ministry of Culture, Government of India (GoI), and Archaeological Survey of India (ASI) have established the '**ASI Archaeology Chair**' at the Archaeological Sciences Centre of IITGN. The Chair was inaugurated on Feb 10, 2023, along with a three-day International Colloquium on "Emerging Perspectives of Harappan Civilisation". Apart from promoting research in various aspects of archaeology through collaborative and scholarly activities, the resources under this Chair will also be used to deepen research in multiple facets of the ancient Harappan/Indus/Sindhu-Saraswati Civilisation.

BUREAU OF INDIAN STANDARDS

Bureau of Indian Standards and the Indian Institute of Technology Gandhinagar (IITGN), signed an MoU to develop bilateral activities in the field of standardisation and conformity assessment based on equality and reciprocity. A chair position has also been established under this understanding to support research & development, teaching, and training in the field of standardisation and conformity through different streams of engineering, infrastructure, water resource management, and other related activities.

CSR DONATIONS

COLLABORATION WITH HILTI

IITGN and HILTI India Private Limited have joined hands to enhance test facilities for passive fire protection systems. This academia-industry collaboration will also help in elevating the understanding of passive fire protection measures to contain the fire in place of its origin. The facility at IITGN will enable researchers to closely study different design aspects, materials, and other related factors under Indian operating conditions and also enable the testing of products to specific national and international standards.

COLLABORATION FOR CAPACITY BUILDING

Ingersoll-Rand (India) Limited, a Bangalore-based company; Agastya International Foundation, a Bangalore-based trust; and IITGN have joined hands to conduct a week-long 'Training of Trainers (ToT)' programme by CCL-IITGN for capacity building of 50 instructors of the Agastya International Foundation.

Swarnim Urja Trust (GSECL) made a donation to IITGN to provide financial assistance to needy students of IIT Gandhinagar.

L&T Technologies Services Ltd made a donation to IITGN for the project on smart farming of cotton.

DONORS LIST

Name	Category	City
Rs 1,00,00,000 - Rs 4,99,99,999		
Archaeological Chair	wellwisher	New Delhi
Shah Bhogilal Jethalal & Brothers	wellwisher	Ahmedabad
Darshan Pandya	wellwisher	Wisconsin, USA
HILTI India Private Limited	wellwisher	New Delhi
B V Jagdeesh	wellwisher	Saratoga, USA
Jagdish Patel	wellwisher	California, USA
Maker Bhavan Foundation	wellwisher	Washington D C, USA
Bureau of Indian Standards (BIS)	wellwisher	New Delhi
Rs 25,00,000 - Rs 99,99,999		
IITGN Foundation	IITGN Foundation	USA
Ruyintan Mehta	wellwisher	Watchung NJ, USA
Hemant Kanakia	wellwisher	Washington D C, USA
Navin Doshi	wellwisher	Los Angeles, USA
Amit Khetan	wellwisher	Livingston, USA
Desai Foundation	wellwisher	Bedford, MA, USA
Swarnim Urja Trust (GSECL)	wellwisher	Vadodara
Rs 5,00,000 - Rs 24,99,999		
Nitish Thakor	wellwisher	Clarksville, USA
Ingersoll Rand India Limited	wellwisher	Bengaluru
Radix Electro Systems Pvt Ltd	wellwisher	Mumbai
WIN Foundation	wellwisher	USA
Invention Factory	wellwisher	USA
Senapathy Kris Gopalakrishnan	wellwisher	Bengaluru
L & T Technologies Services Ltd	wellwisher	Bengaluru
Davinder K Anand Neilom Foundation	wellwisher	Baltimore, USA
Masibus Automation and Instrumentation	wellwisher	Gandhinagar
Kushal Sacheti	wellwisher	New York, USA
Ramesh Goankar	wellwisher	Jamesville, USA
Amit Prashant	faculty	Gandhinagar
Lakshmi Vadali	wellwisher	Gandhinagar
Nirmal Kumar Jha	staff	Gandhinagar
Abhishek Navarkar	BTech/ME/2015	West Lafayette
Qualcomm Gift	wellwisher	USA
Neel Nadkarni	BTech/EE/2012	Cambridge
Rajat Moona	Director	Gandhinagar
Sonepar India Pvt Ltd	wellwisher	Gandhinagar
V V S Foundation	wellwisher	Gandhinagar
Rs 1,00,000 - Rs 4,99,999		
Faiveley Transport Rail Technologies India Pvt. Ltd. (Wabtec)	wellwisher	Hosur
Sudhir K Jain	wellwisher	Gandhinagar

Name	Category	City
Sudarshankumar Saraf	wellwisher	Mumbai
Ngan Le	wellwisher	USA
Madan Taldevkar	BTech/ME/2015	Bangalore
Shireesh Raghunath Shelke	BTech/ME/2021	Mumbai
D P Roy	faculty	Gandhinagar
Bhavin Dineshbhai Chauhan	BTech/ME/2013	Noida
Rounak Mehta	BTech/ME/2015	San Francisco, USA
Luv Gupta	BTech/CL/2012	San Francisco, USA
Ankita Arora	PhD/MSE/2019	Delhi
Kishore Konteti	wellwisher	Suffolk, UK
Rishi Bubna	BTech/ME/2017	Seattle
Chavali Bharath Chandra	BTech/EE/2020	Ahmedabad
Nisarg Ujjainkar	BTech/ME/2021	Rochester
Vegshakti Scholarship	wellwisher	Dwarka, New Delhi
Ram Bhagwan Prajapat	BTech/CSE/2021	Nagaur
NJ India Invest Pvt Ltd	wellwisher	Surat
Dheeraj Sanghi	wellwisher	Jaipur
Shruti Jain	BTech/EE/2018	Boise
Rs. 25,000 - Rs 99,999		
Manoj Menon	wellwisher	Pune
Akhilesh Gotmare	BTech/EE/2016	Delhi
Edul Pareek	wellwisher	USA
Chintakayala Venu Gopal	BTech/CE/2021	Kodad
Utsav Jethva	BTech/EE/2021	Junagadh
Jeetendra Kumar	BTech/CE/2021	Hamirpur
Jammu Tarun Kumar	BTech/MSE/2019	Vizianagaram
T S Kumbar	staff	Gandhinagar
Tarun Agarwal	faculty	Gandhinagar
Utsav Utsav	PhD/PH/2022	Washington DC
Mithbavkar Ojas Shashikant	BTech/EE/2021	Mumbai
Pradeep Saini	BTech/ME/2022	Bangalore
Mridul Sharma	BTech/CSE/2020	Fatehabad
Amlin Jose	BTech/CE/2022	Kochi
NJ Insurance Brokers Pvt Ltd	wellwisher	Surat
Prashant Patel	BTech/ME/2013	Edmonton
Pachpande Soham Kishor	BTech/CSE/2020	San Diego
Asence Pharma Pvt Ltd	wellwisher	Vadodara
Aman Sharma	BTech/CL/2022	Pune
Shivani Rani	MTech/CE/2013	Lawton
Sumit Kumar	BTech/CL/2022	Kanpur
Akshat Mangal	BTech/CL/2022	Bangalore
Gudivada Venkata Prudvi Tej	BTech/EE/2022	Guntur
Ragavan K	faculty	Gandhinagar
Dip Das	BTech/ME/2021	Ahmedabad
Jaydeep Kakadiya	BTech/ME/2022	Surat
Ratul Chakraborty	BTech/MSE/2020	Bangalore
Tella Selva Sowmya Rani	BTech/CL/2022	Hyderabad

Name	Category	City
Harish P M	faculty	Gandhinagar
Pratik Kiran Mutha	faculty	Gandhinagar
Aditya Natu	MTech/ME/2021	Pune
Akash Ajnare	BTech/CE/2021	Indore
Prerna Singh	BTech/CE/2017	Atlanta
Tushar Anchan	BTech/EE/2019	Seattle
Subhash Deodhar	BTech/ME/2016	USA
Pranav Bagaria	MTech/EE/2019	USA

Rs 5000 - Rs 24,999

Name	Category	City
Atul Bhargav	faculty	Gandhinagar
Udit Bhatia	faculty	Gandhinagar
Rajat Jain	BTech/ME/2013	Mumbai
Pratyul Kapoor	BTech/CL/2012	Bangalore
Nagireddy Neelakanteswar Reddy	PhD/HSS/2020	Prakasam
Rahil Sanwla	BTech/ME/2020	Jamnagar
Yashi Gaur	BTech/CE/2022	Pune
Meera Mary Sunny	faculty	Gandhinagar
Aashrith Saraswathibhatla	BTech/ME/2015	Madison
Srikanth Kondapaneni	wellwisher	USA
Micron Technology	wellwisher	USA
Kinley Kucera Mehra	MSc/CG/2015	Kottayam
Akhilesh Ravi	BTech/EE/2021	Bangalore
Gannavarapu Dhanya Sree	BTech/CSE/2022	Gandhinagar
Manidhar M	BTech/CSE/2022	London
Ankush Mishra	BTech/ME/2021	Singapore
Salesforce.com	wellwisher	USA
S P Mehrotra	staff	Gandhinagar
Sharmistha Majumdar	staff	Gandhinagar
Kishan Singh	BTech/CE/2022	Delhi
Saurabh Vaichal	BTech/ME/2016	Atlanta
P K Chopra	staff	Gandhinagar
Tanya Srivastava	faculty	Gandhinagar
Abhishek Umrao	BTech/CL/2012	Bangalore
Shaik Siddhikh Hussain	BTech/EE/2012	Nalgonda
Prathmesh Juvatkar	BTech/EE/2012	San Francisco
Anchit Gaurav	BTech/ME/2012	Abu Dhabi
Kalpesh Joshi	PhD/EE/2017	Joravarnagar
Arun Gopalakrishnan Nair	MTech/EE/2014	Vadodara
Manish Pillai	MTech/ME/2014	Bangalore
Ujjval Ashokkumar Pamnani	MSc/CG/2015	Pune
Vinod Ramakrishnan	BTech/ME/2018	La Jolla
Kadam Sujay Dilip	PhD/EE/2021	Satara
Shubham Bhargav	BTech/ME/2014	Cambridge
Anusha Malani	BTech/EE/2019	Mumbai
Mohak Patel	BTech/ME/2013	San Francisco
Nihar Kotak	BTech/ME/2014	San Jose
Shyamal Kishore	BTech/ME/2013	Kingston
Smit Alkesh Shah	BTech/CL/2014	Hillsboro
Sai Chowdary Gullapally	BTech/EE/2016	Greater Boston
Ankita Joshi	BTech/MSE/2018	Ann Arbor

Name	Category	City
Minesh Kinkhabwala	wellwisher	USA
Harsh Bhargava	wellwisher	USA
Balaji Venkaesh Modoor Jagannathan	BTech/EE/2014	San Francisco
Chinmay Narendra Sonar	BTech/ME/2019	Santa Barbara
Nikhil Aditiya Kumar Roy	BTech/CL/2018	Gainesville
Tarkeshwar Singh	BTech/EE/2013	Bangalore
Mrunal Chauhan	student	Gandhinagar
Chetas Joshi	BTech/EE/2013	San Francisco
Amit Jharbade	BTech/ME/2014	Betul
Shital Arunbhai Amin	PhD/CL/2021	Ahmedabad
Tejas Shrikrishna Hortikar	staff	Gandhinagar
Saurabh Gangwal	BTech/ME/2012	Delhi
Vinod Narayanan	faculty	Gandhinagar
Santosh Raut	staff	Gandhinagar
Arup Lal Chakraborty	faculty	Gandhinagar
Nihar Ranjan Mohaparta	faculty	Gandhinagar
Meena Joshi	staff	Gandhinagar
Sudhanshu Sharma	faculty	Gandhinagar
Sunita Menon	staff	Gandhinagar
Superb K Misra	faculty	Gandhinagar
Jayakumar Nandagopal	staff	Gandhinagar
Rakesh Ranjan	BTech/ME/2016	Deogarh
Anitha Dharavath	BTech/CSE/2021	Hyderabad
Avinash Singh Soda	BTech/CE/2019	Bilaspur
Esha Sharma	MSc/CG/2020	Mumbai
Vaibhav Mathur	BTech/EE/2015	Jodhpur
Salecha Kushal	BTech/EE/2016	Bangalore
Jaison A Manjaly	faculty	Gandhinagar
Arava Pavan Kishore	BTech/EE/2012	Hyderabad
Keshav Giriyapnavar	BTech/ME/2012	Mumbai
Anirudha Vishvakarma	BTech/CL/2014	Tokyo
Hariom Bhargava	BTech/ME/2014	Pune
Dhwanil Shukla	BTech/ME/2014	Mumbai
Ajay Devedwal	BTech/ME/2015	Jaipur
Eepsit Tiwari	BTech/ME/2015	Bangalore
Sachchit Vekaria	BTech/ME/2015	Bangalore
Saurabh Singhal	BTech/ME/2015	Delhi
Dave Ujash Rameshwar	BTech/EE/2015	Bangalore
Vikram Ashok Karde	PhD/CL/2017	London
Pooja Susan Thomas	PhD/HSS/2016	Ahmedabad
Abhishek Verma	BTech/CL/2016	Bangalore
Subhra Majhi	MTech/CE/2015	Singapore
Hritwick Banerjee	MTech/EE/2014	Écublens
Tony Thomas	PhD/CG/2019	Roorkee
Ankit Agarwal	BTech/ME/2017	Delhi
Chenchala Sai Ramana Reddy	BTech/EE/2017	Hyderabad
Nisha Rawat	BTech/CL/2017	Delhi
Patil Shubham Hanumant	BTech/EE/2017	Mumbai
Rahul Kumar	BTech/CE/2017	Bhiwani
Rohit Nanavati	BTech/ME/2017	Mumbai

Name	Category	City
Mohit Chand	MTech/EE/2015	Vadodara
Ahamed Naji Shaham	BTech/ME/2018	Kozhikode
Mitta Venkata Sai Viswanath	BTech/ME/2018	Kadapa
Yash Bohre	BTech/ME/2018	Mumbai
Syed Azhar Ali	MTech/CE/2016	Gandhinagar
Aishwary Omkar	BTech/CE/2019	Mumbai
Naveen Mathan Sundaram	BTech/ME/2019	Seattle
Mandlem Manikanta	BTech/EE/2019	Evanston
Rajat Goel	BTech/CL/2019	Noida
Sandeep Kumar Yadav	BTech/ME/2019	Bangalore
Kalyankar Shravan Kumar	MTech/EE/2017	Singapore
Sharad Joshi	PhD/EE/2021	Bangalore
Chitipolu Gowtham	BTech/ME/2020	Ahmedabad
Gameti Nirav	BTech/CL/2020	Mumbai
Manjot Singh	BTech/CL/2020	Gandhinagar
Pratik Puri Goswami	BTech/EE/2020	Bhavnagar
Anashusen Saiyad	MTech/ME/2018	Indore
Pawan Sharma	MA/HSS/2018	Adelaide
Rituparna Rana	MA/HSS/2018	Berlin
Kanishk Kalra	BTech/CSE/2021	Faridabad
Rahul Jain	MTech/CS/2019	Bangalore
Ravi Anand Singh	MTech/CL/2019	Patna
Prajapati Pradipbhai Dahyabhai	BTech/EE/2022	Anand
Trivedi Shubhang Krishnakant	BTech/CE/2022	Rajkot
Rohit Gahlot	MTech/MSE/2021	Roorkee
Jategaonkar Chinmay Shirish	MTech/ME/2021	Bhopal
Falguni Tailor	staff	Gandhinagar
Jagdish Vatapalli	staff	Gandhinagar
Joycee Mekie	faculty	Gandhinagar
Tanmay Balwa	BTech/ME/2012	Pune
Uday Nadkarni	wellwisher	New Jersey, USA
Yash shah	MSc/MA/2020	India
Anusha Kamath Manjeshwar	BTech/ME/2014	Minneapolis
Harika Vakkantula	BTech/CL/2015	Atlanta
Jithin Prabha	BTech/ME/2016	West Lafayette
Shashank Tyagi	BTech/CL/2016	Cupertino
Smit Dilipkumar Soni	BTech/CL/2014	San Jose
Sushma Sri Pamukapati	BTech/ME/2019	USA
Tejas Mehta	BTech/EE/2012	Pittsburgh
Vamakshi Yadav	BTech/CL/2017	USA
Susmitha Purnima Kotu	BTech/ME/2016	St Louis
Aatman Vora	BTech/ME/2014	Hanover
Spandan Das	BTech/ME/2014	Guwahati

Upto 5000

Name	Category	City
Yash shah	BTech/ME/2013	Sunnyvale
Surya Pratap Singh	MSc/CH/2018	Kanpur
Vibhav Katre	BTech/EE/2014	Bangalore
Kavish Kumar	BTech/CL/2019	Ahmedabad
Shubham Agarwal	wellwisher	USA

Name	Category	City
Nithin V George	faculty	Gandhinagar
Vidhyanand Wagh	BTech/CL/2016	Mumbai
Purushottam Kumar	BTech/CL/2017	Blacksburg
Parichay THAKORE	BTech/CL/2021	Bangalore
Dhanurdhar Ramswamy	MTech/ME/2019	Pune
Shashank Naphade	BTech/EE/2013	USA
Sanat Chandra Maiti	PhD/CL/2019	Bangalore
Jooyoung Kim	faculty	Gandhinagar
Shubhangi Bansude	BTech/ME/2014	Mansfield
Ajinkya Tupkar Jain	BTech/EE/2016	Mumbai
Dewansh Rastogi	BTech/CL/2017	Kanpur
Aditya Goel	BTech/EE/2018	Navi Mumbai
Abhishek Dubey	BTech/CL/2020	Bangalore
Rishi Dhawan	MTech/MSE/2018	Delhi
Chetan Devkishin Pahlajani	faculty	Gandhinagar
Garima Raghuwanshi	BTech/CL/2013	Bangalore
Sanjit Jena	BTech/ME/2016	Karauli
Chandresh Sharma	MTech/EE/2014	Delhi
Shashank Mehra	BTech/EE/2017	Bangalore
Sourabh Soni	BTech/CL/2017	Mumbai
Krupa Shah	PhD/HSS/2019	Pondicherry
Gaurav Jogi	MTech/MSE/2021	Rajkot
Vamsidhar Kamanuru	BTech/EE/2016	San Francisco
Komal Tarunkumar Sangtani	staff	Gandhinagar
Rajat Ranjan	BTech/ME/2019	India
Udit surendra Relan	BTech/ME/2018	Gainesville
Kimti Manawa	MTech/CE/2019	Jammu
Priolkar Neha Satyendra	BTech/EE/2020	Mumbai
Anmol Kishore Raina	BTech/CE/2018	Bangalore
Viral Y Shah	staff	Gandhinagar
Tapas Kumar Das	staff	Gandhinagar
Anirban Dasgupta	faculty	Gandhinagar
Raja Shekhar Bhuma	BTech/EE/2012	Hyderabad
Ankit Agarwal	BTech/EE/2012	Delhi
Swati Verma	BTech/ME/2012	Delhi
Nikhil Haridas	BTech/ME/2012	Bangalore
Hare Mahato	BTech/ME/2014	Ho Chi Minh
Divyank Singh	BTech/CL/2013	Austin
Pratham Shah	BTech/ME/2013	Mumbai
Kaustubh Tirpude	BTech/ME/2013	Mumbai
Shreyas Vaidya	BTech/ME/2013	Bangalore
Deepti Chopra	BTech/EE/2014	Singapore
Hoosein Safdari	BTech/EE/2014	Bangalore
Suyash Subhash Patkar	BTech/ME/2014	Mumbai
Mangesh Popatrao Gangarde	BTech/ME/2014	Jaipur
Anu Vivek	BTech/ME/2014	Ahmedabad
Navneet Meena	BTech/ME/2014	Dungarpur
Anshul Gupta	BTech/ME/2015	Delhi
Mihika Shah	BTech/CL/2015	Mumbai
Prasit Pal	BTech/ME/2015	Vadodara
Hemant Gite	MTech/CL/2013	Mumbai
Koushik Mani	BTech/ME/2016	Guwahati
Palak Sadani	BTech/CL/2016	Delhi

Name	Category	City
Prince Kumar Singh	BTech/EE/2016	Delhi
Neelesh Bhandari	MTech/ME/2014	Mumbai
Apoorva Ojha	PhD/EE/2019	Ahmedabad
Saloni Prashant Pandya	PhD/CE/2018	Radhanpur
Naveen Deepak V	BTech/EE/2012	Bangalore
Amit Yadav	BTech/ME/2017	Pune
Anurag Agrawal	BTech/ME/2017	Delhi
Kanak Sharma	BTech/ME/2017	Mumbai
Nishanth	BTech/ME/2017	Bangalore
Rishab Anand	BTech/EE/2017	Mumbai
Shubham Patle	BTech/ME/2017	Delhi
Vyas Samir	BTech/EE/2017	Delhi
Darshan Ajmera	MTech/MSE/2015	Indore
Siddharth Vijay Kulkarni	PhD/CL/2017	Mumbai
Manju Bhashini	PhD/EE/2021	Gandhinagar
Komal Pandey	PhD/CL/2021	Dhanbad
Prajakta Ramesh Jadhav	PhD/CE/2019	Raigad
Seethalakshmi P	PhD/CE/2019	Calicut
Akhilesh Bhat	BTech/ME/2018	Philadelphia
Mridul Pareek	BTech/CL/2018	Vienna
Rachit Goyal	BTech/EE/2018	Gandhinagar
Rushil Shamkant Vispute	BTech/EE/2018	Mumbai
Rajput Vandana	MTech/CL/2016	Gandhinagar
Pavan Kushwah	MTech/CE/2016	Delhi
Rakesh Gundabathini	MTech/EE/2016	Chennai
Rathod Milanbhai Jayantibhai	MTech/EE/2016	Mumbai
Akarsh A	PhD/EH/2020	Pohang
Poonam Ratrey	PhD/MSE/2021	Ireland
Amit Parihar	BTech/EE/2019	Tonk City
Ankur Singh	BTech/CL/2019	Ranchi
Deepti Gautam	BTech/CL/2019	Mumbai
Hardeep	BTech/EE/2019	Jind
Harsh Madhyan	BTech/CL/2019	Mumbai
Mihir Salot	BTech/ME/2019	Bharuch
Prateek Verma	BTech/CL/2019	Bangalore
Shrinidhi Bhide	BTech/ME/2020	Mumbai
Aniket Mazumder	MTech/ME/2017	Groningen
Richa Tripathi	PhD/PH/2021	Unnao
Harsh Oza	PhD/EH/2021	Porbandar
Himanshu Kumar Singh	MSc/CH/2017	Anand
Apoorv Agnihotri	BTech/CSE/2020	Bangalore
Kadam Omkar Devidas	BTech/ME/2020	Nanded
Kukunuri Sai Venkata Ratna Rithwik	BTech/CSE/2020	Vijayawada
Shubham Ashok Kalgunde	BTech/EE/2020	Hyderabad
Sparsh Jain	BTech/CL/2020	Delhi
Hardik Shyam Vyas	PhD/EE/2021	Gandhinagar
Harsh Janakkumar Shah	MTech/CE/2018	Mumbai
Aritra Kumar Bhaduri	MSc/MA/2018	Pune
Vinaya E H	MSc/CG/2018	Montreal
Anup Aglawe	BTech/CSE/2021	Nagpur
Madhav Tiwari	BTech/CE/2021	Haridwar
Naman Singh	BTech/EE/2021	Bulandshahr

Name	Category	City
Vishnu Karthikeya	BTech/EE/2021	Hyderabad
Shweta Pardeshi	BTech/EE/2021	Bangalore
Shah Rushil Rajiv	BTech/CSE/2021	Ahmedabad
Vyom Mudgal	BTech/CL/2021	Indore
Preethi S	MTech/EE/2019	Vadodara
Yash Goyal	MTech/CE/2020	Indore
Prathmesh Upadhyay	MTech/CSE/2020	Bangalore
Priyanjana Pal	MTech/EE/2020	Durg
Saketharam Narravula	MTech/CL/2021	Vadodara
Sriranjani Manivasagam	MSc/CG/2021	Delhi
Rasika Ramakrishna	MSc/MA/2021	Gandhinagar
Argha Manna	staff	Gandhinagar
Utpal K Bhattacharya	wellwisher	India
Nikki Mittal	MSc/CH/2022	Delhi
Ekta Prashnani	BTech/EE/2013	Santa Barbara
Abhik Patel	BTech/ME/2012	Bangalore
Ayush Mathur	BTech/CL/2018	Bangalore
Jhaveri Anshal Jayeshbhai	MTech/ME/2016	Delhi
Pulkit Singhal	BTech/CE/2019	Delhi
Siddhant Gulechha	BTech/CE/2019	Pune
Greeshma Chathamkandath Raghuvaran	BTech/MSE/2020	College Station
Saikat Sen	MTech/CL/2018	Pune
Sayak Chowdhury	MTech/CSE/2020	Bangalore
Anoop Kumar	MTech/EE/2021	Bangalore
Kaustubh Kapure	BTech/ME/2012	Noida
Suman Kumari	BTech/CL/2017	Mansfield
Abhay Varshney	BTech/CE/2018	Ropar
Jayshankar Sharma	BTech/MSE/2020	Ahmedabad
Amber Kothari	BTech/ME/2017	Bangalore
Pankaj Vatwani	BTech/EE/2020	Bangalore
Gaurav Khandelwal	MTech/CE/2020	Jaipur
Khushwant Fatnani	MTech/CL/2019	Raipur
Devvrat Joshi	BTech/CSE/2022	Bangalore
Vishal Ranjan Prasad	MTech/EE/2020	Mumbai
Darshita Jain	MTech/CSE/2020	Pune
Chandra Sekhar Ravuri	MTech/EE/2018	Bangalore
Sushil Shah	wellwisher	India
Narendra Jethabhai Rabadiya	staff	Gandhinagar
Nivita Jain	staff	Gandhinagar
Datla Surya Vikranth Varma	BTech/CL/2012	Amsterdam
Kanchan Patel	BTech/CL/2012	Bangalore
Nithin G Kumar	BTech/EE/2012	Bangalore
Gandham Mahendranadh	BTech/EE/2012	Bangalore
Vivek Kshirsagar	BTech/EE/2012	Delhi
Rahul Kawadkar	BTech/EE/2012	Delhi
Bhargav Kumar Thadem	BTech/EE/2012	Mumbai
Gaurav Kumar	BTech/EE/2012	Bangalore
Shubham Agrawal	BTech/EE/2013	Bangalore
Pritish Jain	BTech/EE/2013	Chennai
Satyendra Singh Jadaun	BTech/EE/2013	Chennai
Parth M Shah	BTech/EE/2013	Delhi

Name	Category	City
Kislay Pankaj	BTech/EE/2013	Bangalore
Suraj Sonker	BTech/EE/2013	Nagpur
Ajinkya P. Dahale	BTech/ME/2013	Mumbai
Rohit Chouksey	BTech/ME/2013	Mumbai
Prateek Nyati	BTech/ME/2014	Bangalore
Sanjay Saroj	BTech/CL/2014	Mumbai
Durgesh Bagri	BTech/CL/2014	Baran
Nitya Pawar	BTech/EE/2014	Delhi
Raghavendra Chary	BTech/EE/2014	Detroit
Sushrut Pramod Meshram	BTech/EE/2014	Mumbai
Tanay Patel	BTech/EE/2014	Valsad
Ravindra Meena	BTech/EE/2014	Nagpur
Ankita Sharma	BTech/EE/2014	Mumbai
Shaliwahan Singh Rathore	BTech/ME/2014	Dhar
Rameshkumar M. Bhoraniya	PhD/ME/2018	Ahmedabad
Abhishek Sancheti	BTech/CL/2015	Bangalore
Abhishek Soni	BTech/EE/2015	Gurgaon
Aryan	BTech/ME/2015	Bangalore
Chetan Choudhary	BTech/EE/2015	Vadodara
Dhruv Pancholi	BTech/CL/2015	Bangalore
Dhyey Shah	BTech/ME/2015	Gandhinagar
Monish Bhangale	BTech/CL/2015	Bangalore
Parth Gudhka	BTech/EE/2015	Gandhinagar
Ronak Khandelwal	BTech/ME/2015	Bangalore
Sanjay Kumar Meena	BTech/EE/2015	Bangalore
Chowhan Santhosh	BTech/CL/2016	Gandhidham
Vaibhav Gandhi	BTech/EE/2015	Ahmed Nagar
Katla Jagadish Kumar	PhD/CH/2020	Hyderabad
Shashi Prabhakar	PhD (PRL)/PH/2015	Ahmedabad
Anarse Ashish Pralhad	BTech/ME/2016	Malappuram
Chitranshu Kumar	BTech/EE/2016	Pune
Devendra Meena	BTech/ME/2017	Kozhikode
Harshvardhan Singh	BTech/ME/2016	Delhi
Mudit Rathor	BTech/EE/2016	Delhi
Naveen Kumar	BTech/ME/2016	Bangalore
Nikita Patta	BTech/ME/2016	Stanford
Margaj Om Vijay	BTech/ME/2016	Gandhinagar
Pranshul Saini	BTech/ME/2016	Mandi
Kaustubh Jayant Udas	MTech/CE/2015	Pune
Deepak Kumar Samal	MTech/CE/2015	Delhi
Rohit Mishra	MTech/MSE/2014	Delhi
Pankaj	PhD/MSE/2018	Gandhinagar
Naveen Kumar Endla	BTech/EE/2012	Udaipur
Akshay Kumar Verma	BTech/CL/2017	Bangalore
Anurag Goyal	BTech/CE/2017	Bangalore
Anurag Singhania	BTech/CL/2017	Écublens
Bhargav Chauhan	BTech/ME/2017	Ahmedabad
Devanshu Manoj Jain	BTech/CL/2017	Udaipur
Dinendra Pratap Singh Tomar	BTech/EE/2017	Delhi
Mayank Jain	BTech/CE/2017	Mumbai
Mayank Khewaria	BTech/CE/2017	Delhi

Name	Category	City
Pawan	BTech/ME/2017	Delhi
Rajat Kumar Gupta	BTech/CL/2017	Mumbai
Sakkari Akash Goud	BTech/CE/2017	Tinsukia
Preeti Rathi	MTech/CL/2015	Kharagpur
Kunal Ghaisas	MTech/CE/2015	Pune
Silky Agrawal	MTech/CE/2015	Ahmedabad
Althaf Shaik	PhD/CH/2020	Baltimore
Batchu Raja Sekhar	PhD/EE/2020	Hyderabad
Asha Liza James	PhD/CL/2020	Kottayam
Rangwani Kiran Prakashkumar	MTech/CE/2016	Christchurch
Amarjyoti Das Mahapatra	MSc/CH/2015	Gandhinagar
Ashwani Kumar Malik	MSc/MA/2015	Delhi
Goldy Yadav	MSc/CG/2015	Brussels
Ashwini Kumar Mishra	MSc/CG/2015	Bangalore
Ajay Singh Shekhawat	BTech/CE/2018	Bangalore
Anusha Gupta	BTech/CE/2018	Lucknow
Bhupendra Kumar	BTech/MSE/2018	Kharagpur
Borse Dinesh Anil	BTech/CE/2018	Gandhinagar
Dileep Singh	BTech/MSE/2018	Pune
Duthade Sanket Rajesh	BTech/EE/2018	Bangalore
More Mayuresh Hiren	BTech/CL/2018	Tirupur
Pranavkumar S	BTech/CE/2018	Mumbai
Solleti Goutham	BTech/ME/2018	Mumbai
Trivedi Jaldhir Sanjay	BTech/ME/2018	Pittsburgh
Tushar Nirmal	BTech/ME/2018	Ahmedabad
Vakharia Vismay Dilipkumar	BTech/ME/2018	Bangalore
Mallavarapu Deepika Rani	MTech/CL/2016	Singapore
Arable Reshma Mallinath	MTech/CL/2017	Bangalore
Shrikant Modak	MTech/CL/2016	Pune
Kumar Gaurav	MTech/EE/2016	Chennai
Manish Kumar Viswkarma	MTech/EE/2016	Mumbai
Puchalapalli Sambasivaiah	MTech/EE/2016	Delhi
Sarkar Aditya Anjan	MTech/MSE/2016	Mumbai
Ankita Verma	MTech/CL/2016	Bangalore
Abhijeet Madhukar Sarkale	PhD/CH/2021	Vapi
Dwaipayan Ray	PhD/EE/2020	Bangalore
Abhishek Gahatraj	MSc/CG/2016	Delhi
Rakhi	MSc/CG/2016	Ahmedabad
Aakrati Vinod Gupta	MA/HSS/2016	Ruusutarhantie
Rajan Varghese	MA/HSS/2016	Ernakulam
Bhandari Saumya Nareshkumar	MA/HSS/2016	Ahmedabad
Sini Susan Varghese	MA/HSS/2016	Ahmedabad
Anand Yadav	BTech/EE/2019	Bangalore
Gopal Singh	BTech/CE/2019	Delhi
Nikesh Panwar	BTech/CE/2019	Balotra
Priyanshu Ranjan Gupta	BTech/CL/2019	Mumbai
Rushali Atul Prakash Saxena	BTech/ME/2019	Mumbai
Saksham Singal	BTech/ME/2019	Bangalore

Name	Category	City
Shubham	BTech/CL/2019	Jamnagar
Kushwaha Amarkumar Ayodhyasingh	MTech/EE/2017	Mumbai
Akhil Patnaik	MTech/ME/2017	Bangalore
Amalnath M	MTech/ME/2017	Chennai
Ronit Dey	MTech/ME/2017	Bangalore
Beena Kumari	PhD/CH/2020	India
Bala Sai Kiran Patnam	PhD/EE/2021	Hyderabad
Rishabh Mathur	MTech/ME/2020	Gandhinagar
Subir Mandal	PhD/PH/2021	Ahmedabad
Sujata Sinha	MTech/CS/2018	Montreal
Sankha Subhra Bhattacharjee	PhD/EE/2021	Agartala
Pastakia Taronish Astad	MSc/CG/2017	Ahmedabad
Mridupavan Sonowal	MSc/CH/2017	Tinsukia
Ashwani Tripathi	MSc/MA/2017	Lucknow
Balu Ram	MSc/MA/2017	Degana
Abhavya Chandra	BTech/CL/2021	Bangalore
Chekkala Sai Srishal	BTech/CE/2020	Hyderabad
Davinder Singh	BTech/CSE/2020	Bangalore
Khili Khamesra	BTech/CL/2020	Kozhikode
Kratika Bhagtani	BTech/EE/2020	Bangalore
Kunwar Shivam Pratap	BTech/MSE/2020	Kanpur
Rahul Yadav	BTech/EE/2020	Bangalore
Raman Dhiman	BTech/CL/2020	Austin
Sai Praneeth Maddi	BTech/EE/2020	Srikakulam
Sakhalikar Pushpakraj Shyamappa	BTech/ME/2020	Buldana
Ajinkya Bhagwat	MTech/EE/2018	Umarkhed
Mohit Lamba	MTech/EE/2018	Delhi
Saurabh Lanje	MTech/ME/2020	Bangalore
Vipul Anand	MTech/MSE/2018	Delhi
Aditi Singhal	MTech/BE/2018	Tonk
Preetika Ghawri	MTech/BE/2018	Ahmedabad
Shivangi Singh	MTech/ESS/2018	Gandhinagar
Agnivo Sarkar	PhD/PH/2022	Baruipur
Sujit Vasant Matale	MTech/CE/2018	Navi Mumbai
Rahul Kumar Bansal	MSc/MA/2018	Alwar
Sachin Dev	MSc/CH/2018	Faridabad
Saravanan B	MSc/CG/2018	Bangalore
Aditya Garg	BTech/CSE/2021	Gomti Nagar
Soni Anirudha Pradeepkumar	BTech/ME/2021	Mumbai
Ankush Chauhan	BTech/CSE/2021	Kota
Anshuman Yadav	BTech/CSE/2021	Bangalore
Anubhav Jain	BTech/CSE/2021	Ahmedabad
Arun Shakya	BTech/CL/2021	Jhansi
Chandan Maji	BTech/CSE/2021	Asansol
Chenna Kesava Tirunagari	BTech/CSE/2021	Bangalore
Debarya Das	BTech/CSE/2021	Durg
Deepika Soni	BTech/EE/2021	Indore
Sankesh Dehade	BTech/EE/2021	Aurangabad
Dyavarashetty Peeyush	BTech/CSE/2021	Karimnagar
Prudhvi Kakumani	BTech/CSE/2021	Prakasam
Hitarth Parmar	BTech/ME/2021	Gandhinagar

Name	Category	City
Vandan Patel	BTech/CSE/2021	Pune
Rahul Dhamania	BTech/CL/2021	Delhi
Rohit Patil	BTech/CSE/2021	Bangalore
Vandit Goyal	BTech/ME/2021	Jaipur
Vedanta Krishna Bhutani	BTech/EE/2021	Jaipur
Yashaswi Soni	BTech/CE/2021	Pune
Abhik Chandra	MTech/ME/2019	Asansol
Abhishek Raghav	MTech/MSE/2019	Ishikawa
Arun Singh Tomar	MTech/EE/2019	Pune
Priyanka Gautam	MTech/CS/2019	Mumbai
Rahul Gupta	MTech/BE/2019	Delhi
Sairam S	MTech/CL/2019	Chennai
Shiv Kumar	MTech/CS/2019	Delhi
Subisha V	MTech/CS/2019	Bangalore
Sukrit Sharma	MTech/CE/2020	Delhi
Ashish Yadav	MTech/MSE/2019	Ahmedabad
Prerna Sarkar	MTech/CE/2020	Mumbai
Ankit Phogat	MSc/PH/2019	Delhi
Rajesh Biswas	MSc/PH/2019	Bhubaneswar
Preeti Ch	BTech/CSE/2022	Hyderabad
Nishikant Parmar	BTech/CSE/2022	Mandsaur
Prasad Athave	BTech/CSE/2022	Hingoli
Ankit Jaiswal	MTech/MSE/2020	Singapore
Ruchi Thosare	MTech/ME/2020	Bangalore
Swarup Jana	MTech/ME/2021	Allahabad
Krushan M Patel	MTech/CL/2020	Noida
Kaushal Dadsena	MTech/EE/2020	Aligarh
Md Zafar Ahmed	MTech/CL/2020	Pune
Piyush Dewangan	MTech/EE/2020	Bangalore
Soumita Kundu	MTech/CSE/2020	Pune
Adesh Kushwaha	MSc/PH/2020	Gandhinagar
Vasundhara Krishnan	MA/HSS/2020	Bangalore
Bachu Varun Tej	MTech/EE/2021	Bangalore
Mansi Kuldip Shah	MTech/EE/2021	Bangalore
Gunjal Shrihari Eknath	MTech/EE/2021	Delhi
Vamsi Vasa	MTech/EE/2021	Jhansi
Ananya Rana	MSc/CH/2021	Gandhinagar
Abhishek Ramesh	MA/HSS/2021	Anantapur
Vishal Verma	MA/HSS/2021	Kasargod
Praneeta Taranekar	MSc/CG/2022	Delhi
Lokesh Kumar	MSc/MA/2022	Farrukhabad
Efftesum Rahaman	Student	Gandhinagar
Dipak Kumar Ghosh	wellwisher	India
Rajendra Malani	wellwisher	India
Prakrut Kansara	BTech/CE/2018	Columbia
Chinmay Shirpurkar	BTech/EE/2018	Orlando
Kriti Kapil	MSc/CH/2019	Pittsburgh
Akash Kumar	BTech/CL/2012	Delhi
Neelay Jagdip Upadhyaya	MTech/CSE/2020	Mumbai
Kairavi Acharya	MA/HSS/2021	Mumbai
Virendra Singh Panwar	BTech/CL/2016	Pune
Prashant Nair	wellwisher	India
Patnayakuni Ravi Prakash	PhD/CE/2019	Warangal

Name	Category	City
Arijit Paul	Student	Gandhinagar
Jitendra Pukhraj Pawar	staff	Gandhinagar
Sushil Kumar	BTech/MSE/2018	Lucknow
Vipin Kumar	MSc/MA/2016	Noida
Manu Chaudhary	BTech/CE/2017	Ahmedabad
Polampalli Bala Srimannarayana	BTech/ME/2021	Guntur
Ramesh Kumar	BTech/ME/2015	Chennai
Ashutosh Sonpal	MTech/CE/2018	Mumbai
Harshil Rakesh Jain	BTech/CSE/2021	La Jolla
Harsh Kakadiya	BTech/ME/2021	Bangalore
Ram Udit Saadh	BTech/EE/2021	Jaipur
Jeenam Jindal	BTech/CL/2012	Mumbai
Amit Asher	BTech/EE/2012	Mumbai
Suguru Kundan	BTech/EE/2012	Ahmedabad
Nitesh Gupta	BTech/EE/2012	Bangalore
Pankaj Kumar Yadav	BTech/ME/2012	Ahmedabad
Divya Bansal	BTech/CL/2013	Delhi
Monica Yadav	BTech/CL/2013	Delhi
Venkata Hima Teja Chekumuki	BTech/CL/2013	Kharagpur
Mohit Malu	BTech/EE/2013	Tempe
Revanth Venkata Sandeep Ullamgunta	BTech/EE/2013	Chennai
Harikrishnan C B	BTech/ME/2013	Thrissur
Babulal	BTech/ME/2013	Sikar
Hariharan P	PhD/CL/2016	Coimbatore
J Ram Prabhakar	PhD/EE/2016	Bangalore
Karandikar Rutuparna Pramod	BTech/CL/2014	Pune
Chetan Patil	BTech/CL/2015	Ahmedabad
Bhaskar Jyoti Das	BTech/CL/2014	Delhi
Yash Kotak	BTech/EE/2014	Bangalore
Nisarg Nikhil Shah	BTech/EE/2014	Singapore
Dharm Ratna	BTech/EE/2014	Lucknow
Jinesh Rajesh Shah	BTech/ME/2014	Mumbai
Ankit Suchanti	BTech/ME/2014	Mumbai
Sri Siva Ganesh Geddada	BTech/ME/2014	Delhi
K Thrinath Chander	BTech/ME/2014	Hanamkonda
Awaneesh Kumar Upadhya	PhD/CL/2018	Raipur
Krishnesh Shantilal Mehta	PhD/CG/2020	Ahmedabad
Abhay C A	BTech/ME/2015	Patna
Ankit Pandole	BTech/CL/2016	Bangalore
Hiralal	BTech/ME/2016	Kharagpur
Mukesh Singh Rawat	BTech/EE/2015	Rajkot
Prateek Baldwa	BTech/EE/2015	Noida
Preet Shah	BTech/EE/2015	Mumbai
Rajesh Patidar	BTech/ME/2015	Delhi
Heda Shashank Kamlesh	BTech/EE/2015	Bangalore
Shreyans Nahar	BTech/ME/2015	Mumbai
Soham	BTech/ME/2015	Bangalore
Vishal Yadav	BTech/ME/2015	Delhi
P V S Anurag	BTech/ME/2016	Gurgaon

Name	Category	City
Adappa Ashray Amarnath	BTech/CL/2017	Noida
Somani Dipen Omprakash	BTech/EE/2016	Bangalore
Gaurav Sharma	BTech/ME/2016	Baltimore
Karan Palaskar	BTech/ME/2016	Mumbai
Chaudhary Kunal Ramkishun	BTech/CL/2016	Mumbai
Lavdeep Kaur	BTech/CL/2016	Jhunjhunu
Prashant Kumar	BTech/EE/2016	Mumbai
Rahul Garg	BTech/ME/2016	Lucknow
Konduru Venkata Naga Sai Ravi Teja	BTech/ME/2016	La Jolla
Rocky Dongre	BTech/ME/2016	Chennai
Abhinav Singh	BTech/ME/2016	Mumbai
Suman Kumar Singh	BTech/CL/2017	Delhi
Surendra Beniwal	BTech/CL/2016	Mumbai
Byrapuram Venkata Vijaya Bharath R	BTech/EE/2016	Mumbai
Aparna Menon	MTech/CL/2014	Bangalore
Mishra Nidhi S	MTech/CL/2014	Delhi
Patan Ameer Khan	MTech/CL/2014	Nagari
Satyajit Mohapatra	MTech/EE/2014	Gandhinagar
Gourav Kumar	MTech/MSE/2014	Raipur
Sreejith Raveendran	MTech/EE/2014	Chennai
Ram Baran Verma	PhD/MA/2018	Mumbai
Renika Baruah	PhD/ME/2021	Dhemaji
Yogesh Shantaram Fulpagare	PhD/ME/2018	Singapore
Ankit Mittal	BTech/ME/2017	Mumbai
Bulabai Sreedhar Gopikrishna	BTech/CE/2018	Mumbai
Dharmendra Kumar	BTech/CE/2017	Delhi
Kushagra Bhargava	BTech/CL/2017	Kolkata
Narendra Sarswat	BTech/CE/2017	Delhi
Pabbathi Akhil Kumar	BTech/EE/2017	Bangalore
Raut Abhishek Satish	BTech/ME/2017	Bangalore
Rishabh Jain	BTech/CE/2017	Delhi
Sargam Jain	BTech/CL/2017	Bangalore
Shailendra Kumar	BTech/CE/2017	Delhi
Shaleen Chhajer	BTech/CE/2017	Digboi
Gundeep Kaur Sudan	MTech/CE/2015	Iowa
Solanki Dhaval Shashikantbhai	MTech/EE/2015	Gandhinagar
Pratik Suryakant Shirbhate	MTech/ME/2015	Pune
Deendayal Kumar	MTech/MSE/2016	Nagpur
Umang Bhupatrai Desai	MTech/MSE/2016	Mumbai
Bhanu Pratap Singh Gangwar	PhD/CH/2020	Bareli
Deepesh Kumar	PhD/EE/2018	Varanasi
Ravi Kant	PhD/ME/2020	Gandhinagar
Priodyuti Pradhan	PGDIIT/CS/2017	Indore
Ankita Sinha	PhD/ME/2021	Gandhinagar
Harsh Lovekumar Shah	PhD/CE/2019	Ahmedabad
Palash Jana	MSc/CH/2015	Delhi
Ekta	MSc/MA/2015	Gandhinagar
Amit Bhongade	BTech/EE/2018	Delhi

Name	Category	City
Ayush Shrote	BTech/EE/2018	Trivandrum
B Pranav Chakra Varthy	BTech/CE/2020	Hyderabad
Badri Vishal Meena	BTech/CL/2018	Ahmedabad
Bhoge Shashank Vilas	BTech/CE/2019	Amravati
Garima Chaudhary	BTech/CE/2018	Mumbai
Himanshu Goswami	BTech/EE/2018	Bangalore
Jagdish Choudhary	BTech/EE/2019	Delhi
Kamlesh Choudhary	BTech/CE/2018	Bangalore
Kapil Sharma	BTech/ME/2018	Delhi
Lakshmi Gayatri Sivalenka	BTech/ME/2018	Mumbai
Navpreet Singh	BTech/CL/2019	Ludhiana
Yashwanth Rapolu	BTech/CE/2018	Delhi
Tandale Mohit Mukundraj	BTech/MSE/2018	Mumbai
Vaibhav Pal	BTech/ME/2020	Dehradun
Vikas Kumar Meena	BTech/EE/2018	Delhi
Vikalp Kamal	MTech/CE/2018	Delhi
Patel Megh Vasantkumar	MTech/EE/2016	Thimphu
Nikhil Cherian Kurian	MTech/EE/2016	Bangalore
Rohit Kumar Dang	MTech/EE/2016	Bangalore
Sunny Verma	MTech/EE/2016	Delhi
Ayush Jain	MTech/ME/2016	Pune
Brijesh Kumar	MTech/ME/2017	Sultanpur
Rajanikant Atul Ghate	MTech/ME/2016	Pune
Vikas Sharma	MTech/ME/2016	Delhi
Rojan Mathew	MTech/CE/2017	Trivandrum
Vishnu Kumar Gupta	MTech/ME/2016	Navi Mumbai
Prabhat Kumar	PhD/CE/2021	Jhansi
Sanghavi Hiral Manojkumar	PhD/BE/2021	Gandhinagar
Vijayalakshmi Pandey	PhD/CH/2021	Jabalpur
Mukta Gundi	PhD/HSS/2020	Bangalore
Soumik Bandyopadhyay	PhD/PH/2020	Trento
Payal Arora	MSc/CH/2016	Gurgaon
Vipul Nair	MSc/CG/2016	Skövde
Bharat Lal Meena	MSc/MA/2017	Dausa
Harish Madhok	MSc/PH/2016	Jaipur
Arun Krishna	MA/HSS/2016	Ahmedabad
Oza Bhargav Hiren	MA/HSS/2016	Ahmedabad
B Ratna Bharti	MA/HSS/2016	Delhi
Tushar Meshram	MA/HSS/2016	Delhi
Aditi Sharma	BTech/CL/2019	Mumbai
Amit Jangid	BTech/ME/2020	Ahmedabad
Anurag Kumar Gupta	BTech/CE/2019	Ballia
Arik Pamnani	BTech/EE/2019	Bangalore
Ayaz Lakhani	BTech/ME/2019	Bangalore
Chaudhari Divya Jeevraj	BTech/CE/2019	Aurangabad
Jagmohan	BTech/ME/2019	Davis
Naman Jain	BTech/CE/2019	Bangalore
Navin Kumar	BTech/EE/2019	Bangalore
Sareem Sandeed	BTech/CE/2019	Asansol
Shiv Kumar	BTech/CL/2019	Banka
Tarun Sharma	BTech/CE/2019	Mumbai

Name	Category	City
Tulasi Narendra Das Tripurana	BTech/MSE/2019	Hyderabad
Vaibhav Mittal	BTech/ME/2019	Raipur
Veeramallu Giridhar Sai	BTech/EE/2019	Guntur
Amjeth Basheer	MTech/CE/2018	Sharjah
Kaustubh Deshpande	MTech/CE/2018	Gwalior
Shubham Soni	MTech/CE/2017	Indore
Ashish Soni	MTech/EE/2017	Bangalore
Gupta Akash Nandlal	MTech/EE/2017	Ahmedabad
Hemant Kumar Verma	MTech/EE/2017	Bangalore
Neetesh Kumar Sharma	MTech/EE/2017	Bangalore
Neha Kumari	MTech/EE/2017	Bangalore
Shah Hemal Gautamkumar	MTech/EE/2017	Pune
Sompura Jay Nileshbhai	MTech/EE/2017	Jamnagar
Prateek Goyal	MTech/MSE/2017	Gandhinagar
Pragati Pradip Joshi	MTech/ME/2017	Mumbai
Saran Aadhar	PhD/CE/2021	Jerusalem
Fairoos C	PhD/PH/2020	Pathiyarakkara
Varsha Thambi	PhD/CH/2021	Jaipur
Kaling Taki	PhD/CE/2021	East Siang
Ritam Chatterjee	MTech/ME/2017	Mumbai
Naman Deep Singh	PhD/EH/2021	Agra
Ranadeep Sarkar	PhD/PH/2021	Darjeeling
Kaustav Chakraborty	PhD/PH/2021	Mumbai
Chandan Kumar Jha	PhD/EE/2021	Gandhinagar
Shiv Dutt Sharma	PhD/CSE/2021	Hamirpur
Sohhom Bandyopadhyay	MSc/CG/2017	Kolkata
Kotha Srinu	MSc/CH/2017	Hyderabad
Shyam Kumar	MSc/PH/2017	Delhi
Leema Saikia	MSc/PH/2017	Delhi
Ajay Bhardwaj	BTech/CE/2020	Karauli
Anshul Shivhare	BTech/EE/2020	Bangalore
Buditi Prudhvi	BTech/CL/2020	Bangalore
Chakka Snehith	BTech/EE/2020	East Godavari
Gupta Sagar Rajeev	BTech/EE/2020	Delhi
Heer Ambavi	BTech/CSE/2020	Ahmedabad
Jatin Ashish Dholakia	BTech/EE/2020	Bangalore
Kunal Verma	BTech/CSE/2020	Mumbai
Lakhan Agrawal	BTech/CL/2020	Mumbai
Pankaj Kumar Saini	BTech/MSE/2020	Guwahati
Penumaka Gopi Kishore	BTech/EE/2020	Krishna
Pranav Peepre	BTech/CE/2020	Mumbai
Putsala Anirudh	BTech/ME/2020	Ahmedabad
Rajat Biluniya	BTech/ME/2020	Alwar
Rendla Aditya	BTech/CSE/2020	Bangalore
Rishabh Jain	BTech/CE/2020	Mumbai
Shivansh Choudhary	BTech/CSE/2020	Hyderabad
Shivji Bhagat	BTech/CSE/2020	Kolkata
Ukey Vishal Hemraj	BTech/ME/2020	Bhandara
Abhijith T K	MTech/CE/2018	Delhi
Ashutosh Kumar	MTech/MSE/2018	Patna
Atul Sharma	MTech/ME/2018	Pune
Bhoopendra Kumar	MTech/MSE/2018	Noida
Param Singh	MTech/MSE/2018	Gandhinagar

Name	Category	City
Rakesh Meghwal	MTech/CE/2018	Udaipur
Rana Singh	MTech/MSE/2018	Delhi
Ravinder Kumar Daroch	MTech/ME/2018	Gandhinagar
Sachin Verma	MTech/CL/2018	Barabanki
Satbir Singh	MTech/ME/2019	Kangra
Shubhankar Gurav	MTech/ME/2019	Pune
Shubhanshu Gupta	MTech/EE/2018	Delhi
Smriti Gupta	MTech/EE/2018	Bangalore
Vishwanath Hiremath	MTech/EE/2018	Bangalore
Apeksha Srivastava	MTech/BE/2019	Gandhinagar
Swaroop Chakraborty	PhD/BE/2021	Durg
Pravin Hivare	PhD/BE/2022	Chicago
Amit Kumar	MSc/MA/2018	Delhi
Deepika Parmar	MSc/MA/2018	Farrukhabad
Govind Kumar Sharma	MSc/CH/2018	Delhi
Mahajan Samiksha Satish	MSc/MA/2018	Dombivli
Naveen Tak	MSc/CH/2018	Dewani
Prateek Chauhan	MSc/PH/2018	Latur
Rajvir Singh	MSc/CH/2018	Sirsa
Tikam Chand Soyal	MSc/MA/2018	Jaipur
Riddhi Garg	MA/HSS/2018	Delhi
Parth Agarwal	BTech/ME/2021	Odhav
Ankur Vaibhav	BTech/CL/2021	Vadodara
Anuj Yadav	BTech/MSE/2021	Delhi
Ayush Agarwal	BTech/CSE/2021	Jaipur
Deependra Kumar	BTech/CL/2021	Chennai
mohit mina	BTech/CSE/2021	Faridabad
Nishant	BTech/CE/2021	Pune
Siva Krishna Sarma Parimi	BTech/CSE/2021	East Godavari
Parth Upadhyay	BTech/CL/2021	Mumbai
Chandrahas Pundru	BTech/EE/2021	Gandhinagar
Sagar Singh Meena	BTech/MSE/2022	Karauli
Saumitra Sharma	BTech/CSE/2021	Bangalore
Saurabh Muneshwar	BTech/ME/2021	Nagpur
Jainam Shah	BTech/ME/2021	Mumbai
Shivani Patley	BTech/MSE/2021	Kozhikode
Shubham Baheti	BTech/CE/2021	Pune
Yash Gaur	BTech/ME/2021	Hyderabad
Uday Kumar	BTech/ME/2021	Jalgaon
Aaqib Khan	MTech/CL/2019	Gandhinagar
Abhimanyu Gaur	MTech/ME/2020	Gorakhpur
Ankti Sharma	MTech/ME/2019	Dewas
Arun Cherkkil	MTech/ME/2019	Indore
Ashish Dwivedi	MTech/CS/2019	Bangalore
Athira Haridas	MTech/EE/2019	Mumbai
Barma Abhishek	MTech/EE/2019	Hyderabad
Bhagwana Ram	MTech/CE/2019	Jodhpur
Camellia Chakraborty	MTech/BE/2019	Paris
Deep Bakshi	MTech/ME/2019	Mumbai
Mohit Lakhani	MTech/CE/2020	iitmbai
Payal Vyankat Dahiwale	MTech/EE/2019	Mumbai
Pinki Yadav	MTech/ME/2019	Delhi
Prajjwal Patidar	MTech/CE/2020	Delhi

Name	Category	City
Priyanka Prakash Srivastava	MTech/BE/2019	Delhi
Vineetha Bodempudi	MTech/EE/2019	Hyderabad
Yadukrishnan M	MTech/EE/2019	Bangalore
Uday Kumar	PGDIIT/MSE/2019	Ahmedabad
Aparna Shrivastava	MTech/CE/2019	Gandhinagar
Joydeep Kumar Devnath	MTech/EE/2019	Guwahati
Garima Bhutani	MSc/CH/2019	Hisar
Luke Nihal Dasari	MSc/CG/2019	Delhi
Meghali Garg	MSc/MA/2019	Barnala
Nikhil Sharma	MSc/CH/2019	Mathura
Nikhil Sharma	MSc/PH/2019	Sangaria
Prankur Saxena	MSc/CG/2019	Bangalore
Pulkit	MSc/MA/2019	Amroha
Saba Nasir Pathan	MSc/CG/2019	Mumbai
Shrikant Shekhar	MSc/MA/2019	Bhopal
Sreekanth C	MSc/CG/2019	Bangalore
Suresh Choudhary	MSc/MA/2019	Jaipur
Surjeet Singh Choudhary	MSc/MA/2019	Bhopal
Dalia N	MA/HSS/2019	Gandhinagar
Jessica Sathyarthi	BTech/EE/2022	Gwalior
Maddela Siddarth	BTech/ME/2022	Secunderabad
Rakesh Naidu Pedamajji	BTech/ME/2022	Vijayawada
Preeti singh	BTech/CE/2022	Jhunjhunu
Unnat Nikhil Dave	BTech/EE/2022	Mumbai
Akash Varma	MTech/CL/2020	Bangalore
Akshay Srivastava	MTech/MSE/2020	Tokyo
Ankit Verma	MTech/EE/2021	Bangalore
Arthi Hariharan	MTech/BE/2020	Chennai
Deepanshu Singh	MTech/EE/2020	Delhi
Karanbir Singh Sidhu	MTech/ME/2021	Bangalore
Krishna Kumar	MTech/EE/2020	Gandhinagar
Salim Khan	MTech/CE/2021	Mumbai
Renjini R	MTech/CE/2021	Hyderabad
Challa Sai Ajay Narendra	MTech/ME/2020	Bangalore
Shubham Jain	MTech/EE/2020	Delhi
Sidharth Sarmah	MTech/MSE/2020	Montreal
Sudha Gautam	MTech/MSE/2020	Mumbai
Sumit Kharbanda	MTech/BE/2020	Bangalore
Jitendra Prasad Agrawal	PGDIIT/EE/2020	Delhi
Shivesh Shandilaya	MTech/CE/2021	Mumbai
Shubham Patil	MTech/EE/2020	Mumbai
Suvil Mahagaonkar	MTech/CE/2021	Mumbai
Ankita Nandi	MTech/EE/2020	Bangalore
Kartikeya Bharadwaj	MTech/CE/2021	Durg
Vishal Ghanshyambhai Vaghela	PGDIIT/CE/2020	Ahmedabad
Ekta Khemchandani	MSc/CG/2020	Delhi
Md Sahnawaz Alam	MSc/PH/2020	Uttar Dinajpur
Priya Yadav	MSc/CH/2020	Kanpur
Rimjhim Alumni	MSc/CH/2020	Delhi
Shaiborlang Rapsang	MSc/CH/2020	Shillong
Tannu Kaushik	MSc/CH/2020	Mumbai
Punya Lokesh Suri	MA/HSS/2020	Mumbai
Swaroopa Bhatkar	MA/HSS/2020	Vizag

Name	Category	City
Tanusree Halder	MTech/BE/2021	Bangalore
Vruddhi Jani	MTech/CL/2021	Chennai
Shaik Mahaboob Jani Basha	MTech/CSE/2021	Varanasi
Abhishek Singh	MTech/EE/2021	Kanpur
Karthik Kumar Gudiboina	MTech/EE/2021	Vadodara
Prarabdh Raipurkar	MTech/EE/2021	Delhi
Pravesh Srivastava	MTech/EE/2021	Bangalore
Pushpak Dhote	MTech/EE/2021	Bangalore
Ravins Katiyar	MTech/EE/2021	Aalo
Satish Kumar Singh	MTech/EE/2021	Bangalore
Virender Dan	MTech/EE/2021	Rajkot
Vivek Singh	MTech/EE/2021	Jaipur
Priya Suryakant Gadekar	MTech/MSE/2021	Gandhinagar
Som Dixit	MTech/MSE/2021	Clemson
Dudyala Rahul Reddy	MTech/ME/2021	Kurnool
Devesh Kumar	MTech/EE/2021	Srinagar
Ganesh Jabotra	MSc/CH/2021	Gandhinagar
Mrityunjay Kumar Jha	MSc/CH/2021	Gandhinagar
Sanju Kumari	MSc/CH/2021	Gandhinagar
Anjana CP	MSc/CG/2021	Bangalore
Meenam Pious	MSc/CG/2021	Vadodara
Sanya Jain	MSc/CG/2021	Firozabad
Raman Sharma	MSc/MA/2021	Gandhinagar
Radhika Gandhi	MSc/PH/2021	Delhi
Adyasha Behera	MA/HSS/2021	Anakapalle
Ajay Devda	MA/HSS/2021	Gandhinagar
sudip das	MTech/CSE/2022	Gandhinagar
Ushma Garg	MTech/CE/2022	Pune
Anjana Tirkey	MSc/CH/2022	Gurgaon
Tejas Pujari	MSc/MA/2022	Hansi
Aakash	MSc/PH/2022	Delhi
Akansha Verma	MSc/PH/2022	Sonipat
Priya Drashni	MSc/PH/2022	Etah
Tanurima Shau	MA/HSS/2022	Gandhinagar
Niyati Bhupendra Shah	MSc/PH/2022	Vapi
Vrinda Viral Shah	wellwisher	India
Kokkonda Prashanth	BTech/CE/2020	Hanamkonda
Pavithra Ashok Kumar	MSc/CG/2018	Bangalore
Homit Singh Pal	BTech/CE/2018	Mandideep
Varun Gupta	BTech/ME/2013	Bangalore
Rahul Kumar	BTech/ME/2019	Jalaun
Tibin M Thomas	MTech/ME/2016	Chennai
Rishikesh More	BTech/EE/2020	Aurangabad
Rahul Saini	BTech/CE/2019	Alwar
Vijendra Maurya	BTech/CL/2019	Bangalore
Akshat Bansal	BTech/ME/2020	Mumbai
Sohini Dhar	MTech/EE/2018	Bangalore
Anoop Singh	MSc/PH/2018	Gandhinagar
Gaurav Kumar	BTech/CE/2021	Kaimur
Nayan Chaudhary	BTech/EE/2021	Mumbai
Goutham Varanganti	BTech/CE/2021	Warangal
Mohammad Adil	MTech/ME/2019	Mumbai
Sujit Akash	student	Gandhinagar

Name	Category	City
Ankush Jain	MTech/CE/2021	Mumbai
Khusboo Agarwal	MSc/MA/2021	Gandhinagar
Dinesh Bauskar	MTech/ME/2020	Mumbai
Gottumukala Sai Rama Krishna	BTech/EE/2018	Hyderabad
Ashish Kumar Gupta	BTech/EE/2016	Jaipur
Neha Singh	MSc/PH/2020	Rudrapur
Jayesthi Mali	MSc/PH/2021	Mumbai
Upendra Kumar Singh Kushwaha	PhD (PRL)/PH/2016	Allahabad
Sunil Sahra	BTech/CL/2016	Mathura
Shah Aditya Suresh	BTech/EE/2017	Ahmedabad
Vaibhav Gupta	BTech/ME/2017	Delhi
Narendra Bandaru	PhD/MSE/2020	Guntur
Ravi Jangir	BTech/EE/2020	Sikar
Suyash Patidar Suyash Patidar	BTech/ME/2020	Pune
Sandeep Kumar Singh	MSc/PH/2018	East Champaran
Karanam Avinash	BTech/ME/2021	Indore
Pinniboina Muneeswar	BTech/MSE/2021	Chittoor
Jitendra Kumar	BTech/EE/2022	Lucknow
Tej Bahadur Gurung	staff	Gandhinagar
Mukul Lawas	BTech/ME/2020	Mumbai
Prashant Kumar	PhD/HSS/2021	Washim
Umesh Kumar	MSc/CH/2017	Delhi
Ingle Varad Jitendrakumar	BTech/MSE/2020	Aurangabad
Karthik Subramanya Karvaje	BTech/ME/2020	Bangalore
Vivek Popat	MTech/CL/2013	Mumbai
Gaurav Gupta	BTech/EE/2016	Jaipur
Hydarali M T	BTech/ME/2016	Barmer
Rahul Anand Kaushik	MTech/EE/2014	Bangalore
Varit Ashokbhai Patel	PhD/MSE/2020	Surat
Jaya Prasanna Kumar	PhD/CL/2021	Bangalore
Bhagat Rajan Balister	BTech/ME/2017	Bangalore
Harsh Khandelwal	BTech/CL/2017	Mumbai
Kesani Kalyani	BTech/CL/2017	Medchal
Priyanka	BTech/CL/2017	Delhi
Ramtekkar Shashank Manohar	BTech/ME/2017	Pune
Roshan Agarwal	BTech/CE/2017	Bangalore
Srinivasan A	BTech/CE/2017	Ann Arbor
Tanay Kankane	BTech/ME/2017	Bangalore
S Smitha	MTech/CE/2015	Kozhikode
Aditya Singh	MSc/CG/2015	Gandhinagar
Aditya Kumar	BTech/MSE/2018	Mumbai
Dabhi Parth Lalitkumar	BTech/ME/2020	Ahmedabad
Pranav Kumar Gupta	BTech/CE/2018	Delhi
Setti Satya Sai Venkata Ravi Teja	BTech/CL/2018	Pulwama
Vikas Yadav	BTech/CE/2018	Gandhinagar
Panna Lal Saini	BTech/ME/2020	Ahmedabad
Rohit Kumar Singh	BTech/CE/2019	Patna
Kumari Sushmita	MTech/CL/2016	Bangalore
Mohd Umair Iqbal	MTech/CL/2016	Gandhinagar

Name	Category	City
Gurnani Sagarkumar Vijaykumar	MTech/ME/2016	Bangalore
Behere Siddhartha Ravindra	MTech/ME/2017	Bangalore
Shah Utsav Mineshbhai	MTech/ME/2016	Ahmedabad
Majid Hussain	PhD/CE/2020	Srinagar
Aarti Bansal	MSc/MA/2016	Bahadurgarh
Sarthak Mittal	BTech/CE/2019	Jaipur
Saurav Nagar	BTech/ME/2019	Bangalore
Chimane Pratik Tulsiram	MTech/ME/2017	Hyderabad
Ashish Narang	PhD/PH/2021	Saharanpur
Anish Dubey	BTech/CL/2020	Pune
Anushikha	BTech/MSE/2020	Ahmedabad
Arra Sriya	BTech/CE/2020	Ahmedabad
Ayush Garg	BTech/CSE/2020	Delhi
K S Santhosh Kumar	BTech/EE/2020	Chittoor
Sahil Jain	BTech/CE/2020	Bangalore
Akshay Nandurkar	MTech/CE/2018	Amravati
Aishwarya Vijayakumar	MTech/BE/2018	Guwahati
Ashish Joseph	MSc/PH/2019	Delhi
Daphisha Mary Nonghuloo	MSc/PH/2018	Shillong
Gaurav Yadav	MSc/MA/2018	Bhadohi
Rakesh Yadav	MSc/CH/2018	Bhiwani
Uday Singh	MSc/PH/2019	Trivandrum
Heram Naik Bhukya	BTech/ME/2021	Hyderabad
Harshal Thool	BTech/CL/2021	Wardha
Kavita Vaishnaw	BTech/CSE/2021	Delhi
Manoj kumawat	BTech/EE/2021	Sikar
Mohmmad Aslam	BTech/CL/2022	Chennai
Vamshi Nikhil Pandipati	BTech/EE/2021	Nandyal
Kaushik Bhowmik	MTech/BE/2019	Sepahijala
Mittireddi Ravi Teja	MTech/MSE/2019	Gandhinagar
Prakhar Pradhan	MTech/EE/2019	Bangalore
Ravi Shanker Bunker	MTech/CE/2020	Patna
Kapil Dev	MSc/PH/2019	Delhi
Lata Yadav	MSc/MA/2019	Kanpur
Pankaj Borah	MSc/PH/2019	Delhi
Richa Dobal	MSc/PH/2019	Almora
Kadeeja Nourah B H	MA/HSS/2019	Calicut
Rohan Shirodkar	BTech/ME/2022	Pune
Sagar Bisen	BTech/CSE/2022	Bangalore
Hoime Banerjee	MTech/BE/2020	Mumbai
Souvik Roy	MTech/CSE/2020	Bangalore
Neeraj Kumar Meena	MSc/PH/2020	Karauli
Rahul Rohilla	MSc/MA/2020	Mumbai
Ravi Mahala	MSc/MA/2020	Bangalore
Tannu Kumari	MSc/MA/2020	Rewari
Chandan Nandi	MTech/BE/2021	Kolkata
Amit Mishra	MTech/CL/2021	Vapi
Deeptija Pandey	MTech/CE/2021	Pune
Dip Mehta	MTech/CE/2021	Udaipur
Sudhanshu Dixit	MTech/CE/2021	Allahabad
Sujata Kulkarni	MTech/CE/2021	Delhi
Jatin Kumar	MTech/CSE/2021	Bangalore
Ayush Agarwal	MTech/EE/2021	Unnao

Name	Category	City
Pratik Sharma	MTech/EE/2021	Hyderabad
Rajesh Kumar Pandit	MTech/EE/2021	Kalyan
Akshay Kumar Soni	MTech/MSE/2021	Guwahati
Vaibhavkumar Tandel	MTech/ME/2021	Kanpur
Bhowmick Patidar	MTech/CL/2021	Bangalore
Banwari Kumar Mandal	MSc/CH/2021	Gandhinagar
Manjeet Singh	MSc/CH/2021	Gainesville
Mohit Kumar	MSc/CH/2021	Gandhinagar
Varsha Kumari	MSc/CH/2021	Gandhinagar
Nikita Sharma	MSc/PH/2021	Gandhinagar
Sanjoy Saha	MSc/PH/2021	Gandhinagar
Shubham Rastogi	MSc/PH/2021	Pune
Siddharth Kashyap	MSc/PH/2021	Gandhinagar
Md Nayim Siddiqui	MTech/CE/2022	Mumbai
Khushi Jain	MSc/CG/2022	Delhi
Pankaj Sharma	MSc/PH/2022	Bharatpur
Pintu Prajapat	MSc/PH/2022	Lachhmangarh
Subhojit Ghosh	student	Gandhinagar
Ayushman Tripathi	BTech/EE/2018	Ahmedabad
Mihir Milind Bhalerao	BTech/ME/2016	Pune
Komal Bajaj	MSc/CH/2018	Delhi
Patel Ajjkumar Dahyalal	BTech/EE/2021	Bangalore
Vaishnavi Kokadwar	BTech/ME/2022	Pune
Pritam Nanda	MSc/PH/2016	Kolkata
Shikhar Rajput	BTech/ME/2019	Bhopal
Anjali Kumari	BTech/MSE/2020	Bangalore
Sriram Sriharsha	BTech/MSE/2020	Mahbubnagar
Sachin Giri	MSc/CH/2018	Dallas
Ujjwal Gautam	BTech/MSE/2021	Bangalore
Himanshi Dewangan	MTech/CE/2021	Bilaspur
Rajat Sunil Zope	MTech/CL/2020	Pune
Gajendra Rajput	MTech/EE/2021	Mumbai
Naveen Puri	MTech/EE/2021	Nainital
Shivani Singhal	MTech/EE/2021	Saran
Saurabh Soni	MTech/MSE/2020	Mumbai
Khushboo Sahrawat	MA/HSS/2021	Gandhinagar
Sarang Patil	BTech/CE/2021	Burhanpur
Manav Raj	BTech/EE/2017	Pune
Jahnu Bharadwaj	PhD/HSS/2020	Barpeta
Sanjeev Kumar	MTech/ME/2020	Gandhinagar
Nirav Bhatt	staff	Gandhinagar
Niral Pankaj Parikh	BTech/EE/2013	Bangalore
Jignesh Joshi	MTech/CL/2013	Valsad
Rajat Singh Jeriya	BTech/EE/2016	Sundergarh
Pallavi Chilka	PhD/BE/2020	Gandhinagar
Kshitij Singh	BTech/EE/2017	Delhi
Amar Mandhyan	MTech/CE/2015	Vadodara
Chatte Amruta Bharat	MTech/CL/2016	Pune
Zade Anita Dnyanba	MTech/CL/2016	Warangal
Swasti Medha	MTech/CL/2016	Delhi
Ravi Kant Prasad	PhD/EH/2021	Ranchi
Vikash Patel	MSc/MA/2017	Gondia
Deshpande Shubham Gopal	BTech/ME/2021	Ahmedabad
Kumar Saurav	MTech/EE/2018	Mumbai

Name	Category	City
Ayushman Bahuguna	BTech/CL/2021	Indore
Ravi Rathod	BTech/EE/2021	Ahmedabad
Shantanu Jana	BTech/CL/2021	Bangalore
Shubhi Maheshwari	BTech/CL/2021	Udaipur
Sachinkumar Babubhai Suthar	MTech/EE/2019	Gandhinagar
Pushan Patel	BTech/ME/2022	Pune
Chandan Kumar	MTech/CSE/2020	Mumbai
Siyaram Mina	MSc/PH/2020	Delhi
Piyush Kumar	PGDIIT/EE/2020	Delhi
Alok Kumar	MSc/CH/2021	Otari-Mura
Tarun Bansal	MSc/CH/2022	Gurgaon
Shriya Naidu	staff	Gandhinagar
Nishant Joshi	BTech/EE/2012	Mumbai
Nigil George	BTech/EE/2012	Maplewood
Ajinkya Mukund Kulkarni	BTech/ME/2012	Bangalore
Neerav Gadhvi	BTech/CL/2013	Mumbai
Shubham Ranka	BTech/EE/2013	Noida
B Abhishek Sharma	BTech/ME/2013	Bangalore
Prashant Bhatewara	BTech/ME/2014	Mandsaur
Kailash Chand Meena	BTech/EE/2014	Jaipur
Rakesh Pargi	BTech/ME/2014	Delhi
Aalok Gangopadhyay	BTech/EE/2015	Gandhinagar
Abhishek Singh	BTech/EE/2015	Bangalore
Harsh Gupta	BTech/ME/2015	Bangalore
Banoth Sirya Kiran	BTech/CL/2018	Delhi
Pavni Digant Pandya	MTech/CE/2014	Boisar
Murali Krishna Enduri	PhD/CS/2018	Guntur
Alok Singh	BTech/EE/2016	Noida
Muzammil Rawoot	BTech/ME/2016	Mumbai
Naman Bansal	BTech/EE/2016	Auburn
Prashant Shekhar	BTech/CL/2016	Jhansi
Raj Shekhar	BTech/EE/2016	Surat
Vivek Maida	BTech/CL/2016	Delhi
Yash Pratap Singh	BTech/ME/2016	Delhi
Baviskar Pushpak Kailas	BTech/CE/2019	Mumbai
Guguloth Srinivas	BTech/ME/2017	Mahabubabad
Hemant Kumar	BTech/CE/2017	Delhi
Lakh Chand	BTech/CL/2017	Warangal
Osker	BTech/CE/2017	Bangalore
Pathak Kapil Jayesh	BTech/EE/2017	Bangalore
Pomraj Prajapat	BTech/CE/2017	Barauni
Punit Kumar	BTech/CE/2017	Roorkee
Rajendra Singh	BTech/EE/2017	Delhi
Sai Kiran Bojja	BTech/CE/2019	Vizag
Sonam	PhD/EH/2019	Gandhinagar
Anuji K V	PhD/CH/2018	Mumbai
Khyati Relhan	MSc/CH/2015	Ahmedabad
Hamza Mohd Zubair	MSc/CG/2015	Bangalore
Abhinay Rana	BTech/CL/2018	Delhi
Antima Meena	BTech/MSE/2020	Gandhinagar
Arvind Roshaan.S	BTech/EE/2018	Mumbai
Himanshu Pal	BTech/EE/2018	Delhi
Lakshmi Narayan Meena	BTech/CL/2019	Delhi

Name	Category	City
Mayur Madhav Vishe	BTech/EE/2018	Bangalore
Sisara Pratikkumar Dhirubhai	BTech/MSE/2019	Surat
Sai Ganesh Veeravalli	BTech/CE/2018	Enschede
Vishal Kumar Sinha	BTech/CE/2019	Ranchi
Ekta Sharma	MTech/CL/2016	Mumbai
Shreya Bunk	MTech/CL/2016	Bangalore
Nandhita J S	MTech/CE/2016	Gandhinagar
Nikita Rankawat	MTech/CE/2016	Jodhpur
Bhoomika Sonane	MTech/EE/2016	Delhi
Rachita Agrawal	MTech/EE/2016	Delhi
Rahul Sadhwani	MTech/EE/2016	India
Bidhan Sahu	MTech/CE/2016	Gandhinagar
Dharmendra Kumar	PhD/MA/2020	Bangalore
Amit Pahel	MSc/CH/2016	Delhi
Anupam Swarnkar	BTech/ME/2021	Chennai
Avinash Joy Bara	BTech/CL/2021	Ahmedabad
Bannelly Naresh	BTech/CE/2019	Bhainsa
Kunal Singhmar	BTech/CL/2019	Bangalore
Priyang Priyadarshi	BTech/MSE/2019	Ahmedabad
Ravi Shrimal	BTech/EE/2019	Delhi
Rishabh Bhattacharya	BTech/ME/2019	La Jolla
Shah Harshil Kalpeshkumar	BTech/EE/2019	Ahmedabad
Suresh Kumar	BTech/CL/2019	Churu
Rajdeep Ghosh	MTech/CE/2018	Kolkata
Rakesh Behera	MTech/MSE/2017	Gandhinagar
Neelam Surana	PhD/EE/2021	Bangalore
Neha Manav	PhD/CH/2021	Delhi
Anubha Agrawal	MTech/CL/2017	Delhi
Sandhya Singh	MSc/CG/2017	Bangalore
Priyanka Rana	MSc/MA/2017	Delhi
Charu Gupta	MSc/MA/2017	Delhi
Babita	MSc/MA/2017	Noida
Akshay Mittal	BTech/CE/2020	Chennai
Dhrmendra Sablaniya	BTech/MSE/2020	Gandhinagar
Gajapure Kshitij Dewanand	BTech/CSE/2021	Gondia
Hansraj Bijarnia	BTech/CE/2020	Ajmer
Jitesh Mittal	BTech/CE/2020	Kolkata
Kaushal Chhimpa	BTech/CE/2020	Churu
Kishan Khichi	BTech/CE/2020	Rajsamand
Mayank Kumar	BTech/CE/2020	Ajmer
Mohit Gadhwal	BTech/CE/2020	Jodhpur
Mukesh Kumar	BTech/CE/2020	Patna
Patel Milanbhai	BTech/CL/2020	Navsari
Pathlavath Prashanth	BTech/CSE/2020	Nalgonda
Pratik Kayal	BTech/CSE/2020	Guwahati
Rahul Challa	BTech/CSE/2020	Kolkata
Ritik Jain	BTech/CL/2020	Bangalore
Rohit Sharma	BTech/CSE/2020	Sonebhadra
Smeet Vora	BTech/CSE/2020	Mumbai
Varsha Singh Varsha Singh	BTech/CL/2020	Bangalore
Yash Makwana Yash Makwana	BTech/CL/2020	Udaipur

Name	Category	City
Shubham Gond Shubham Gond	BTech/MSE/2020	Gandhinagar
Brajesh Singh	MTech/MSE/2019	Gandhinagar
Chakka Yaswanth Sai Kiran	MTech/EE/2018	Ahmedabad
Gautam Kumar	PGDIIT/MSE/2017	Patna
Nevilkumar Panchal	MTech/ME/2018	Ahmedabad
Priyank Mehta	MTech/ME/2018	Dungarpur
Priyanka Rawat	MTech/MSE/2018	Mumbai
Rohit Dawar	MTech/EE/2018	Ahmedabad
Rupesh Baroniya	PGDIIT/MSE/2017	Bhopal
Sarang Kulkarni	MTech/MSE/2018	Pune
Sitesh Kumar	MTech/BE/2018	Begusarai
AB Qayoom Mir	PhD/CH/2021	Baramulla
Archit Agarwal	MSc/MA/2018	Indore
Arvind Kumar Nath	MSc/MA/2018	Kanpur
Deepak Singh	MSc/MA/2018	Ahmedabad
Harshitha C	MSc/MA/2018	Tirupati
Priyanka Shoora	MSc/MA/2018	Chandwa
Sachin Kumar	MSc/PH/2019	Delhi
Sajal Kumar	MSc/MA/2018	Jalaun
Samten Bhutia	MSc/PH/2018	Gangtok
Sanu Kumar Gangwar	MSc/PH/2018	Bareilly
Shivam Awasthi	MSc/PH/2018	Varanasi
Shubham Garg	MSc/PH/2018	Delhi
Siyaram Gurjar	MSc/MA/2018	Delhi
Vinod Kumar	MSc/MA/2018	Bangalore
Piyusha Verma	MA/HSS/2019	Vadodara
Abhisht Tiwari	BTech/CSE/2021	Indore
Akshay Nambiar	BTech/CE/2021	Delhi
Anil Berwal	BTech/CE/2021	Jaipur
Dhyanesh Baskaran	BTech/MSE/2021	Champaign
Deepak Meena	BTech/CE/2021	Sawai Madhopur
Manraj Meena	BTech/CL/2022	Sawai Madhopur
Mohamed Shamir T M	BTech/ME/2022	Bangalore
Mrinal Anand	BTech/CSE/2021	Bangalore
Patel Urvishkumar Jayrambhai	BTech/EE/2021	Ankleshwar
Pranjal Singh	BTech/CE/2021	Agra
Rajkumar Sain	BTech/CL/2021	Jaipur
Samyak Jain	BTech/CL/2021	Bangalore
Balaji Sukkala	BTech/ME/2021	Chennai
Surabhi A Torne	BTech/MSE/2021	Vadodara
Tanmaey Gupta	BTech/EE/2021	Bangalore
Sai Chandra Uttharapally	BTech/EE/2021	Bangalore
Vishesh Roy	BTech/CE/2021	Gandhinagar
Yannawar Pranav Sameer	BTech/ME/2021	Mumbai
Chandan Kumar Sahoo	MTech/MSE/2019	Puri
Jatin Aren	MTech/CE/2019	Mumbai
Pragya Mishra	MTech/ME/2019	Pune
Pratik Prajapati	MTech/ME/2019	Gandhinagar
Rahul Upadhyay	MTech/CE/2019	Gandhinagar
Sachin Kumar	PGDIIT/EE/2019	Bangalore
Shailesh Garg	MTech/CE/2019	Karauli

Name	Category	City
Shashikant Verma	MTech/EE/2019	Barabanki
Surbhi Khewle	MTech/CL/2019	Gandhinagar
Ashu Gupta	MTech/ME/2019	Delhi
Dhrutiman Dey	MTech/MSE/2019	Guwahati
Trisrota Deb	MTech/EE/2019	Jirania
Ashish Shukla	MSc/MA/2019	Mumbai
Ayush Agarwal	MSc/MA/2019	Bangalore
Goutam M	MSc/PH/2019	Mumbai
Kamal Kant Chandra	MSc/PH/2019	Ghaziabad
Sajjan	MSc/PH/2019	Delhi
Tanya Hans	MSc/CH/2019	Delhi
Pankaj Tiwari	MA/HSS/2019	Balrampur
Aishna Agrawal	BTech/CSE/2022	Indore
Arpit Patel	BTech/CSE/2022	Gurgaon
Sai Gowri Jhansi Boddu	BTech/CE/2022	Vizag
Dhruvi Lodhavia	BTech/EE/2022	Mumbai
Hardik Khichi	BTech/CE/2022	Jodhpur
Janhavi Premi	BTech/MSE/2022	Kota
Yash Gautam Kamble	BTech/EE/2022	Mumbai
Srujan Pandya	BTech/ME/2022	Vadodara
Ritu Verma	BTech/ME/2022	Dausa
Yatharth Vakil	BTech/ME/2022	Ahmedabad
Prathamesh Vibhute	BTech/ME/2022	Mumbai
Alok Kumar Thakur	MTech/ESS/2020	Gandhinagar
Ashish Kumar	MTech/EE/2020	Chennai
Ashish Tiwari	MTech/EE/2020	Gandhinagar
Avisina Charitej Reddy	MTech/CE/2020	Bangalore
Devki verma	MTech/ME/2020	Pune
Indra Mani Tripathi	MTech/ESS/2020	Gandhinagar
Karan Kumar	MTech/CSE/2020	Ahmedabad
Neha Bhadani	MTech/EE/2020	Mumbai
Utsavkumar Jitendrabhai Mistry	MTech/ME/2021	India
Vivek Srivastava	MTech/CSE/2020	Pune
Gaurav Anilkumar Yadav	MTech/MSE/2020	Roorkee
Ahteshamul Haq	MTech/CL/2020	Bangalore
Biplob Nath	MTech/EE/2020	Aligarh
Rupsha Mukherjee	MTech/BE/2020	Surat
Srivastava Nishkarsh Rameshwarnath	MTech/MSE/2020	Gandhinagar
Aashima Kaushal	MSc/MA/2020	Delhi
Aparna Rathi	MSc/PH/2020	Gandhinagar
Ihsan K	MSc/CG/2020	Gandhinagar
Bhavin Rasikbhai Joshi	MSc/MA/2020	Rajkot
Nitish Goyal	MSc/PH/2020	Samana
Nividha	MSc/PH/2020	Lucknow
Sneha Kumari	MSc/MA/2020	Patna
Sneha Yadav	MSc/PH/2020	Rewari
Tarun Kaushik	MSc/CH/2020	Bhiwani
Yogesh kumar Gupta	MSc/MA/2020	Jaipur
Devika Manon	MA/HSS/2020	Delhi
Axita Patel	MTech/BE/2021	Rampurghat
Arvind Gupta	MTech/CL/2021	Ahmedabad
Mayank Shrivastava	MTech/CL/2021	Gandhinagar
Akash Kale	MTech/CE/2021	Mumbai

Name	Category	City	Name	Category	City
Prajwal Kumar	MTech/CSE/2021	Jamnagar	Arunav Choudhury	MTech/ME/2020	Mumbai
Samrat Patni	MTech/ESS/2021	Thane	Zayid Ahmed	MSc/PH/2020	Poonch
Henil Shah	MTech/EE/2021	Mumbai	Sayantani Saraswati	MA/HSS/2020	Jodhpur
Rajlaxmi Pandey	MTech/EE/2021	Gopalganj	Gourav Kumar	MSc/PH/2018	Aligarh
Sajal Kumar Jain	MTech/EE/2021	Pune	Rayan Gaat	BTech/CSE/2020	Patiala
Smit Shah	MTech/EE/2021	Delhi	Shivani Huvor	MSc/MA/2018	Bagidora
Tushar Agarwal	MTech/EE/2021	Lucknow	Chaitanya Anand Chalakh	MA/HSS/2021	Chennai
Ankita Shahi	MTech/MSE/2021	Kashipur	Amita Bedar	MTech/CL/2014	Mumbai
Omkar Jadhav	MTech/ME/2021	Bhopal	Suraj Kumar Meena	BTech/EE/2020	Gandhinagar
Shubham Verma	MTech/ME/2021	Dehradun	Ayush Kumar Gupta	BTech/ME/2021	Lucknow
Niraliben Patel	MTech/CL/2021	Gandhinagar	Vala Vedangraj	BTech/ME/2021	Gandhinagar
Drashti Shah	MTech/CE/2021	Aligarh	Aditi Agarwal	MTech/CE/2022	Indore
Zarnain Fayaz	MTech/CE/2021	Bilaspur	Sushil Kumar	BTech/CL/2016	Mumbai
Priyanka Sharma	MTech/EE/2021	Bangalore	Murtuza Hadianawala	PhD/CH/2017	Bangalore
Omkar Paranjape	MTech/ME/2021	Bangalore	Jitendra Kuldeep	BTech/EE/2017	Bangalore
Dedaniya Hirenkumar Jitendrabhai	MSc/CH/2021	Gandhinagar	Shah Jugal Saurin	BTech/ME/2017	Delhi
Somya	MSc/CH/2021	Gandhinagar	Ramendra Sahoo	PhD/EH/2020	Hyderabad
Sudhir Kumar	MSc/CH/2021	Delhi	Shivam Dhama	MSc/MA/2015	Gandhinagar
Kratika Mujmer	MSc/CG/2021	Bristol	Koda Dinesh Kumar	BTech/EE/2019	Vizag
Tharan Suresh	MSc/CG/2021	Chennai	Sawadiawala Chirag Yogeshkumar	MTech/ME/2016	Allahabad
Vikram Singh Negi	MSc/CG/2021	Gandhinagar	Karthikeyan Palanisamy	MSc/CG/2016	Tirupur
Abhijeet Duggani	MSc/MA/2021	Chandigarh	Kishore Kumar Jagini	MSc/CG/2016	Gandhinagar
Akshya Kumar	MSc/MA/2021	Gandhinagar	Anil Kumar	BTech/CE/2019	Delhi
Bhunesh Nagar	MSc/MA/2021	Gandhinagar	Ankur Yadav	BTech/CL/2019	Khargone
Goutam Barman	MSc/MA/2021	Gandhinagar	Anurag Dhebana	BTech/CE/2019	Jhunjhunu
Hari Singh Dhayal	MSc/MA/2021	Gandhinagar	Maya Kumari	BTech/CE/2019	Jaipur
Mayank Nagar	MSc/MA/2021	Gandhinagar	Priyanka Tenan	BTech/CL/2019	Mumbai
Mohammad Naved	MSc/MA/2021	Gandhinagar	Purusottam Kundara	BTech/CE/2019	Dausa
Gagan Bhatt	MSc/PH/2021	Gandhinagar	Tukkani Sandeep Reddy	BTech/ME/2019	Guwahati
Kaushal Meena	MSc/PH/2021	Gandhinagar	Bharatesh Rayappa Shiraguppi	MSc/CG/2017	Bangalore
Neelabha Chatterjee	MSc/PH/2021	Gandhinagar	Mohammad Hassan	MSc/CH/2017	Bangalore
Priyanshu Sharma	MSc/PH/2021	Gandhinagar	Raj Kumar Dadrawal	MSc/MA/2017	Jaipur
Rashmi Mehta	MSc/PH/2021	Gandhinagar	Rahul	MSc/MA/2018	Delhi
Shubham Malik	MSc/PH/2021	Pune	Anubhav Meena	BTech/CE/2020	Todabhim
Vinod Kumar	MSc/PH/2021	Gandhinagar	Bukya Vinay	BTech/MSE/2020	Hyderabad
Aardra Sreekumar	MA/HSS/2022	Trivandrum	Godina Ganga Hrishikesh	BTech/MSE/2022	Delhi
Rashid K K	MA/HSS/2021	Gandhinagar	Kathroth Pavan Kalyan	BTech/ME/2020	Gandhinagar
Shruti Mehta	MA/HSS/2021	Sahibzada Nagar	Piyush Chandra	BTech/CE/2020	Delhi
Pratyasha Bhardwaj	MTech/CL/2022	Solapur	Rampratap Kumar	BTech/MSE/2021	Howrah
Amay Gupta	MTech/CE/2022	Kathua	Himanshu Rai Himanshu Rai	BTech/EE/2021	Varanasi
Apoorva Sharma	MSc/CG/2022	Pune	Kusum Panwar	MTech/CL/2018	Ahmedabad
Tanisha Arya	MSc/CG/2022	Pune	Neha Khairkar	MTech/CE/2019	Chandrapur
Wardah	MSc/CG/2022	Gandhinagar	Rajat Gupta	MTech/CE/2018	Surat
Amit Thakran	MSc/CH/2022	Jhunjhunu	Abhijit Jana	MSc/PH/2018	Alotau
Anita Yadav	MSc/MA/2022	Jaipur	Akshay Kumar Mehta	MSc/MA/2018	Allahabad
Charu Garg	MSc/MA/2022	Delhi	Monu	MSc/MA/2018	Gurgaon
Deependra Dwivedi	MSc/MA/2022	Gurgaon	Parul Punia	MSc/MA/2018	Delhi
Suman Kumar	MSc/MA/2022	Gandhinagar	Prashant Chouhan	MSc/PH/2018	Jodhpur
Yash Rathore	MSc/MA/2022	Daltonganj	Sudip Pandit	MSc/MA/2018	Gandhinagar
Lokesh Singh	MSc/PH/2022	Rewari	Kaushik Kumar Bhaiya	BTech/MSE/2021	Jodhpur
Sangeeta Yadav	MSc/PH/2022	Delhi	Satti Kartik Naik	BTech/CL/2021	Kakinada
Srinidhi Pawar	MSc/PH/2022	Bangalore			
Naseef Mon P	MA/HSS/2022	Kuzhimanna			
Tulsa Pujhari	MSc/MA/2021	Gandhinagar			

Name	Category	City
Sourabh Khatik	BTech/ME/2022	Bhilwara
Akash Unnikrishnan	MTech/ME/2019	Gandhinagar
Ayush Nema	MTech/CL/2020	Chennai
Manis Kumar Lenka	MTech/CL/2019	Delhi
Prasanna Kulkarni	MTech/ME/2019	Gandhinagar
Arvind Kumar	MSc/PH/2019	GB Nagar
Deepak Kumar	MSc/MA/2019	Hisar
Dighbijoy Samaddar	MSc/CG/2019	Delhi
Greeshma Mohan	MSc/CG/2020	Bangalore
Saloni Gupta	MSc/MA/2019	Dausa
Shubham Kumar	MSc/MA/2020	Meerut
Sukhwant Singh	MSc/MA/2019	Ganganagar
Janaki R Nair	MA/HSS/2019	Boston
Tanvi Jain	MA/HSS/2019	Delhi
Shardul Kulkarni	BTech/ME/2022	Bangalore
Hemanth Krishnan R	MTech/ME/2020	Bangalore
Priya Tiwari	MTech/MSE/2020	Gandhinagar
Samyabrata Chatterjee	MTech/CL/2020	Kharagpur
Md Nasre Alam	MTech/CL/2020	Dhamtari
Swagat Das	MTech/MSE/2020	Kharagpur
Abhinav Gautam	MSc/CH/2020	Kanpur
Prashant Kumar	MSc/PH/2020	Delhi
Vineet Kumar	MSc/MA/2020	Jaipur
Dimple Khattar	MA/HSS/2020	Kochi
Shruti S Nair	MA/HSS/2020	Ahmedabad
Utpal Podder	MTech/CSE/2021	Kanpur
Jenil Vagadiya	MTech/CSE/2021	wellwisher
Himanshu	MTech/ESS/2021	Golaghat
Bhadane Prathmesh Kiran Manisha	MTech/MSE/2021	staff
Paritosh Kavra	MTech/ME/2021	staff
Somnath Paul	MTech/CE/2021	wellwisher
Bukunmi Adewumi	MSc/CG/2021	wellwisher
Nashra Ahmad	MSc/CG/2021	wellwisher
Anju Singh	MSc/MA/2021	wellwisher
Bhaskar Verma	MSc/MA/2021	Gandhinagar
Chandni Thakkar	MSc/MA/2021	wellwisher
Gajendra Saini	MSc/PH/2021	Gandhinagar
Shraddha Mohnani	MSc/PH/2021	Gandhinagar
Renna Zehra	MA/HSS/2021	Kozhikode
Sneha Sathyan	MA/HSS/2021	wellwisher
Dipesh Singh Chuphal	MTech/CE/2022	wellwisher
Solanki Hiren Rajeshbhai	MTech/ESS/2022	wellwisher
Akangsha Deka	MTech/ME/2022	wellwisher
Divya Kundani	MSc/CG/2022	wellwisher
Goutam Patra	MSc/CH/2022	Mumbai
Arti Vishwakarma	MSc/CH/2022	Daman
Dasari Sanjukta	MSc/MA/2022	wellwisher
Vijay Kumar Regar	MSc/MA/2022	Phusro
Amit Kumar	MSc/PH/2022	wellwisher
Pankaj Kumar Kumawat	MSc/PH/2022	wellwisher
Ritika Pahwa	MSc/PH/2022	Jairampura
Khushboo Kumari	MA/HSS/2022	wellwisher
Remya P K	MA/HSS/2022	wellwisher
Amme Shirisha	MA/HSS/2022	Delhi

Name	Category	City
Pavan Meena	BSc/CE/2022	Karauli
Jeeva SM	MSc/CG/2022	Jaipur
Anu Kumari	MSc/CH/2022	Palasbari
Ravi Patel	PGDIIT/ME/2016	wellwisher
Chaitra Borkar	MTech/CL/2021	Delhi
Fasna K	MA/HSS/2021	Ahmedabad
Sachin Shukla	MSc/PH/2022	Ahmedabad
Praveen Pandey	BTech/CE/2020	Bhopal
Yogesh Meena	BTech/ME/2020	Jaipur
Simpi Verma	MSc/CH/2019	Mirzapur
Ayush Singh	BTech/CE/2020	Roorkee
Vaishali Yadav	MSc/PH/2018	Lucknow
Kshama Sehra	MSc/MA/2020	Karauli
Purna Kukadiya	MTech/EE/2021	Varanasi
Milton Biswas	MSc/MA/2021	Gandhinagar
Tarisha Gupta	MSc/CH/2022	Gandhinagar
Nitish Kumar	MTech/MSE/2018	Delhi
Rohit Saraswat	MTech/CL/2018	Agra
Vegad Urmin	MTech/CE/2021	wellwisher
Ravi Agarwal	BTech/ME/2013	Singapore
Vinit Sanjay Joshi	BTech/EE/2015	Mumbai
Manjot Singh	BTech/CL/2016	Urbana
Dave Sowill	BTech/ME/2018	Gandhinagar
Patel Pinank Kishorbhai	BTech/ME/2018	wellwisher
Gaurav Singh	BTech/EE/2020	Ahmedabad
Tushar Pareek	BTech/ME/2019	wellwisher
Bidyan Basumatary	BTech/MSE/2020	Gandhinagar
Shivang Pareek	BTech/ME/2021	Surat
Meena K	MTech/BE/2019	India
Samardhi	MSc/PH/2019	Mahendergarh
Parth Prakash Daga	BTech/CL/2022	Ahmedabad
Permender Kumar	BTech/EE/2022	Hanumangarh
Prankush Agarwal	BTech/EE/2022	Atlanta
Sakshi Kabra	BTech/CL/2022	Vadodara
Utkarsh Nanda	BTech/CE/2022	Ranchi
Vagisha Singh	BTech/EE/2022	GB Nagar
Roop Choudhuri	MTech/CSE/2020	Student
Rahul Nautanbhai Khatri	MTech/CE/2020	Baroda
B Singh	MSc/PH/2020	Bangalore
Saroj Yadav	MSc/PH/2020	Mumbai
Rithwik Narayanan	MSc/CG/2022	Pune
Neha Choudhary	MSc/PH/2021	Gandhinagar
Divyansh Chaturvedi	MSc/CH/2022	Delhi
Rupul Chandna	MSc/PH/2022	Delhi
Shiva Sharma	MSc/MA/2021	Gandhinagar
Shreyas Sonawane	BTech/ME/2021	Pune
Debtroy Das	MSc/PH/2020	Gandhinagar
Sudhiksha Sridhar	student	Gandhinagar
Meena K	MTech/BE/2019	Gandhinagar
Vinu Sankar Sadasivan	wellwisher	India
Aditya Samant	BTech/CL/2015	London
Deepak Dhariwal	BTech/MSE/2018	Blacksburg
Prince Verma	BTech/CL/2017	Chennai
Varun Aggarwal	BTech/EE/2018	Durham

Name	Category	City
Amit Kumar Singh Yadav	BTech/EE/2020	Bangalore
Amogh Parab	BTech/ EE/2014	India
Arul Mozhi Padmanathan	BTech/CL/2018	Edmonton
Arya Adityan	MA/HSS/2019	Tallahassee
Kunal Bhardwaj	MTech/CE/2020	Jaipur
Ramchandra Gawas	MTech/CL/2018	Philadelphia
Yogesh Goyal	BTech/CL/2012	Chicago
Vidyanand Girish Wagh	BTech/CL/2016	Mumbai
Chinmay Ajnadkar	BTech/EE/2016	Seattle
Mihit Vilas Deo	MSc/MA/2020	Quebec City
Ishan Upadhyaya	BTech/EE/2015	San Francisco
Nishit Shetty	BTech/CL/2016	St Louis
Prerit Terway	BTech/EE/2012	Princeton
Puneeth Chakravarthula	BTech/ME/2012	Santa Barbara
Radhika Patil	BTech/ME/2016	Stanford

Name	Category	City
Yash Sanjay Mehta	BTech/EE/2016	Mumbai
Indumathi Sathisaran	PhD/BE/2021	Bangalore
Raj Shah	BTech/EE/2017	USA
Sushmitha Yalla	BTech/CL/2015	USA
Vaidyanathan Peruvemba Ramaswamy	BTech/MSE/2019	Vienna
Aman Panwar	BTech/EE/2020	Austin
Rahul Rajeev	MSc/MA/2019	Clemson
Pranavkumar Shivakumar	BTech/CL/2019	India
Aman Kamlesh Singh	MA/HSS/2019	Écublens
Animesh Rastogi	BTech/EE/2016	Austin
Kashyap Patel	BTech/MSE/2018	Dallas
Nakul Nuwal	BTech/CL/2014	Champaign
Nandan Vora	PhD/BE/2021	Ahmedabad
Nirmal Nair	BTech/EE/2015	Champaign
Prathamesh Badve	BTech/ME/2016	Blacksburg

PEOPLE

DISTINGUISHED HONORARY PROFESSOR

PROF SURENDRA PRASAD

Prof Surendra Prasad served IIT Delhi for over four decades in several academic and administrative capacities including the post of the director. He received the Vikram Sarabhai Research Award in Electronics and Telecommunications (1987), the Shanti Swarup Bhatnagar Prize for Engineering Sciences (1988), the Om Prakash Bhasin Prize for Research in Electronics and Communications (1994), the VASVIK Award for Information Technology (2006), the Lifetime Achievement Award of the Systems Society of India (2011), the Distinguished Alumnus Award of IIT Kharagpur. He was also honored with an honorary doctorate by Loughborough University, UK in 2007. He is a Fellow of the Indian National Academy of Engineering, the Indian National Science Academy, the Indian Academy of Sciences and the National Academy of Science and has been a member of the governing body of CSIR and CSIR Society, Government of India and boards of many IITs, NITs and other engineering institutes.

PROF NITISH THAKOR

Prof Nitish Thakor is a professor of biomedical engineering, electrical and computer engineering, and neurology at Johns Hopkins University, and leads the Laboratory for Neuroengineering. He is also the director of the Singapore Institute for Neurotechnology at the National University of Singapore. He obtained his undergraduate degree from IIT Bombay in 1974 and a PhD from the University of Wisconsin, Madison in 1981. Prof Thakor is the recipient of the Centennial Medal from the School of Engineering, University of Wisconsin (2008), Honorary Membership from Alpha Eta Mu Beta Biomedical Engineering student Honor Society. He received the award of Technical Excellence in Neuroengineering from IEEE Engineering in Medicine and Biology Society and the Distinguished Alumnus Award in 2012 from IIT Bombay and the Centennial Medal from the University of Wisconsin, Madison School of Engineering in 2012.

DR A S KIRAN KUMAR

Dr A S Kiran Kumar is the Chairman, Space Commission since 2015. Besides, he holds the offices of secretary, Department of Space and chairman, Indian Space Research Organisation. Dr Kumar obtained an honours degree in physics from National College, Bangalore in 1971, an MSc degree (electronics) from Bangalore University in 1973 and an MTech in physical engineering with distinction from Indian Institute of Science, Bangalore in 1975. In recognition of his contributions, he was conferred Padma Shri award by the President of India in 2014. He has contributed to the design and development of more than 50 electro-optical imaging sensors flown on space-borne platforms starting from Bhaskara TV payload in 1979 to the payloads onboard the Mars Orbiter Mission in 2013.

SCHOLAR-IN-RESIDENCE

DR JEAN-PHILIPPE ANSERMET

Dr Jean-Philippe Ansermet did his diploma as a physics engineer from the Ecole Polytechnique Fédérale de Lausanne, Switzerland, and his PhD from the University of Illinois at Urbana-Champaign, Urbana, USA. He is an honorary professor at Ecole Polytechnique Fédérale de Lausanne, Switzerland. His research interests include spintronics and nanomagnetism, and solid-state NMR.

PROF NUNO GUIMARAES

Prof Guimarães is a full professor (Professor Catedrático) at ISCTE-IUL. He graduated in electrotechnical engineering at the Technical University of Lisbon, Instituto Superior Técnico, Portugal, in 1983, where he also completed his MSc (1987) and PhD (1992). He received the title of Agregado em Informática in July 1999, from the University of Lisbon. From 1986 to 1997, he taught at the Electrotechnical and Computer Engineering Department of IST/UTL, and from 1997 to 2012 at the Informatics Department of the Faculty of Sciences, University of Lisbon.

PROF RAGHUBIR SHARAN

Prof Raghubir Sharan did his BE in telecommunication engineering from Bihar Institute of Technology, Sindri and MASc and PhD in electrical engineering from the University of Waterloo, Ontario, Canada. Prof Sharan served at IIT Kanpur for more than 35 years in the discipline of electrical engineering before joining LNM Institute of Information Technology Jaipur as a distinguished professor in 2004. His research interests include technological progress and human values, semiconductor devices, transducers and instrumentation, noise, engineering education.

DR MARCOS SEVERO

Dr Marcos Inacio Severo de Almeida completed his MSc from Universidade Federal de Viçosa (UFV) and his PhD from Universidade de Brasília (UNB). He is working as a coordinator of the MBA in Marketing Management and Consumption Analysis and an adjunct (research) professor at the Federal University of Goias, Brazil. His area of research is marketing performance measures at the firm level (sales/market share), social media level(engagement) or at the individual level (consumer spending/sales per transaction).

DR CELSO CAMILO

Dr Celso Camilo completed his MSc from the Federal University of Goiás, Brazil and his PhD from the Federal University of Uberlândia, Brazil. He is working as an associate professor at the Federal University of Goiás, Brazil. His areas of interest are metaheuristics, evolutionary computation, deep learning, automated program repair, fault localization, optimization problem, applied artificial intelligence (healthcare, sales, management, and others).

ATUL SINGH

Atul Singh did his BA from University of Lucknow, MA from the University of Oxford and an MBA from The Wharton School, University of Pennsylvania. He is the founder, chief executive officer and editor-in-chief of Fair Observer, an independent section 501(c)(3) nonprofit media organisation in the United States that aims to inform and educate global citizens both through its journal and its teaching programmes.

DR CHRISTOPHER ROPER SCHELL

Dr Christopher Roper Schell, JD earned BA from Southern Methodist University, Dallas, Texas, USA and Juris Doctor from George Washington University, USA. He is working as a senior research fellow at The United Service Institution of India, Texas and Washington, DC, USA, and advisory partner/contributing editor at Fair Observer and Fair Observer Intelligence, Texas and Washington, D.C, USA. His principal areas of focus and work are the conjunction of politics and policy, emphasising effective communication based on the audience.

DR AMINIAN KAMIAR

Dr Kamiar Aminian did his MS and PhD from EPFL, Switzerland, His research interest includes: sensors and instrumentation, ambulatory monitoring, gait analysis, physical

activity monitoring, balance assessment, sport and rehabilitation, arthroplasty, outcome, fall risk in the elderly, quality of life, Parkinson's disease. He is currently a professor with the Institute of Bioengineering and the director of the Laboratory of Movement Analysis and Measurement at EPFL. He has authored or co-authored over 600 scientific papers published in reviewed journals, and presented at various international conferences and holds 12 patents related to medical devices.

DR RAGHAVASIMHAN THIRUNARAYANAN

Dr Raghavasimhan Thirunarayanan did his BE from the Birla Institute of Technology and Science, Master's and PhD degrees from EPFL, Lausanne, Switzerland. He has been the consultant for the HOMI programme at IIT Gandhinagar since January 2022, and senior analog RF engineer & systems expert at 3DB Access AG, Switzerland, since January 2017. His other research interests include analog / RF design, microelectronics (frequency synthesis).

PROF ERIKA HOFFMAN-DILOWAY

Prof Erika Hoffman-Diloway did her BA, Oakland University, and MA and PhD from University of Michigan, USA. Her research interests include the role of graphic methods experimenting with the ways in which sketching and drawing can enhance my ethnographic engagements in these sites. Prof Erika's work focuses on the linguistic anthropology of sign languages, with attention to the flexible multi-modal nature of communicative practice as well as the social factors.

PROF BRIAN BROPHY

Prof Brian Brophy did his BS from Montana State University, MA from California State University, Los Angeles, and MFA from U C Riverside. He is the Director of Theater Arts at Caltech. He also serves as the Artistic Director of MACH 33: His research interests include: Theatre for social change in India, International collaboration and partnership in the transformation of culture through dialogue, storytelling and friendship.

CYNTHIA BROPHY

Cynthia Campoy Brophy did her BA (English Literature) from the University of California, Los Angeles, her Diploma in French Literature from the University of Paris, Executive Programme in Nonprofit Arts Administration from Stanford Graduate School, and Professional Education Program from Harvard Graduate School of Education. Her research interests include: fields of education, workforce development, creative industry, youth empowerment, and the arts to create sustainable pathways to provide young people with more creative options.

PROF PIERINO LESTUZZI

Dr Lestuzzi Pierino did his Master in civil engineering from the Ecole Polytechnique Fédérale de Lausanne, Switzerland, UNI-Lausanne, Physic Institute (additional education), and his PhD from the ETH-Zürich. He is a lecturer and senior researcher at EPFL-ENAC-IIC-IMAC. His research interests include earthquake engineering, structural dynamics.

DR SATHYANARAYANAN MUNDAYOOR

Dr Sathyanarayanan Mundayoor did his BSc and MA in linguistics from Bombay University, post-MA diploma in adult & continuing education from Delhi University, PG diploma in journalism from Bhavans, Mumbai. He is the coordinator at Lohit Youth Library Network, Tezu, Arunachal Pradesh. His research interests include school education, reading skills, non-formal education in rural and tribal communities, and the production of reading material in marginalised North-East languages. history of aviation in independent India with respect to North-East regions.

ARGHA MANNA (ARTIST-IN-RESIDENCE)

Argha Manna did his BSc and MSc from the University of Calcutta. His research interest includes: bringing the history of science into life through graphic narratives including comics, data comics, illustrated essays, infographics, and painting. Before joining IIT Gandhinagar he worked as a journalist in Anandabazar Patrika and The Telegraph, Kolkata.

GUEST PROFESSORS

PROF ROSA MARIA PEREZ

Prof Rosa Perez is an anthropologist and senior researcher at the Centre for Research in Anthropology (CRIA). Until August 2020, she was a professor of the Department of Anthropology of ISCTE- University Institute of Lisbon. Her core research is on Indian society and social segregation (with a particular focus on the Dalit community and women), women studies, colonialism and post-colonialism in India, fieldwork methodology, public anthropology and human rights. Perez is a consultant to the UN Commission for Gender Equality and Women's Empowerment and European Councils on Asia. In June 2021, as part of the Science 2021 Meeting, she received a medal of scientific merit from the Portuguese Minister of Science, Technology and Higher Education.

DR SHARMILA MANDE

Dr Sharmila Mande holds a PhD in physics from IISc Bangalore. Her research interests revolve around systems biology and algorithm development for analysing large-scale biological data and applying the same to understand human health. The major focus of her work is on understanding the role of the human microbiome in diseases and disorders. She has a number of patented algorithms that address challenges faced by researchers in analysing large-scale biological data. She is a recipient of the TCS Distinguished Scientist Award.

PROF P SAINATH

Prof P Sainath did his BA from Jawaharlal Nehru University, New Delhi, MA from Loyola College, Madras, and an honorary PhD from the University of Alberta at Edmonton, Canada. He is working as an adjunct professor at the Asian College of Journalism, Chennai. He has won over 40 global and national awards for his reporting (and turned down several, including the Padma Bhushan).

PROF LAXMIKANT V KALE

Prof Laxmikant Kale completed his ME from IISC, Bangalore, and his MS and PhD from SUNY at Stony Brook. His research interests include: architecture, compilers, and parallel computing, and scientific computing. He is currently a professor at the University of Illinois at Urbana-Champaign. He has authored or co-authored over 150 scientific papers published in reviewed journals, and presented at various international conferences, and has contributed to 8 software packages developed and distributed via the web.

PROF PARTHASARATHI MUKHOPADHYAY

Prof Parthasarathi Mukhopadhyay completed his MSc and MTech from the University of Calcutta and his PhD from the Indian Institute of Tropical Meteorology (IITM) University of Pune. His research interests include: numerical weather prediction, development of parameterisation particularly the cloud and convective process in numerical model development of high-resolution models, predicting extreme precipitation events, and modelling mesoscale systems/processes. A scientist with over two decades of research experience, Prof Mukhopadhyay's work has had major contributions in the development of the Super-Parameterized Coupled Forecast System (SP-CFS) model and the development of a new version of CFSv2, and he has made key offerings to numerous programs under the Ministry of Earth Sciences.

PROF A V ANILKUMAR

Prof Anilkumar Amurtur is an aerospace engineer on the faculty at Vanderbilt University. He has been a NASA investigator

of microgravity fluid flow phenomena on space shuttle flights and on the International Space Station. His research focus includes experimental fluid dynamics, rocket propulsion, drop and bubble dynamics, bio-encapsulation; energy conversion, wind, thermoelectrics, biodiesel; materials processing: float zones, directional solidification.

MR V ASHOK

Ambassador V Ashok received a BTech in civil engineering from IIT Delhi in 1981. After serving in the Indian Foreign Service for more than 34 years in various positions, he retired in October 2018 as the Consul General of India, San Francisco, with the rank of Secretary to the Government of India. He has held diplomatic assignments in Indian Missions in Hong Kong, Malaysia, China, Austria, and Sri Lanka apart from postings at the Ministry of External Affairs in New Delhi. He was accredited as India's Ambassador to the Republic of Zimbabwe in 2007 and to the Czech Republic in 2011.

DR NIKHIL BALRAM

Dr Nikhil Balram is the CEO of EyeWay Vision Inc (EVI), a San Jose-based company in California, USA. Prior to joining EyeWay, Dr Balram was leading display R&D for all Google hardware products (including AR/VR). An experienced technology executive, Dr Balram's previous positions include CEO at Ricoh Innovations, VP & GM at Marvell, and CTO of National Semiconductor's Display Group. He has won numerous awards including a 2012 Gold Stevie Award for Executive of the Year in the electronics category in the 9th Annual International Business Awards, a 2012 Fellow Award by the Society for Information Display (SID) and the 2011 Alumni Achievement Award by Carnegie Mellon University.

PROF RAVI BANAVAR

Prof Ravi Banavar is a professor in the Systems and Control Engineering group at IIT Bombay, a unique interdisciplinary group in the country exclusively offering graduate education (masters and doctoral program) in the field. His research interests are in the area of geometric mechanics, nonlinear and optimal control, locomotion with applications in aerospace, mechanical and microrobotics. He received his BTech from IIT Madras, MS from Clemson University and a PhD from the University of Texas, Austin. After a short stint as an instructor at the University of California, Los Angeles, he joined the Systems and Control group in IIT Bombay in 1993.

MR HARSH BHARGAVA

Mr Harsh Bhargava is the former president of Bankworld Inc, a prominent Washington DC based management consulting company, with experience in over 75 countries including leadership of projects on competitiveness strengthening in the emerging markets, entrepreneurship development programs for micro, small and medium enterprises (MSMEs). He received an MBA from the Harvard Business School in 1977. He has written extensively on entrepreneurship as a career option for youth, and created training manuals and books on financial literacy and entrepreneurship. He is also the Chief Mentor of Competitiveness Mindset Initiative, an entity set up at IITGN.

DR R S BISHT

Dr R S Bisht, joint director general (retd), Archaeological Survey of India has more than 35 years of experience in archaeological research, conservation and environmental development of national monuments and administration. He has also been associated with the Department of Archaeology and Museum, Haryana; and Department of Archaeology and Museum, Punjab. He is the recipient of the Padma Shri and Acharya Narendra Dev Alankar in 2013.

PROF RAJENDRA BORDIA

Prof Bordia is the George J. Bishop, III Endowed Chair professor of Ceramics and Materials Engineering. He is also a guest professor in the discipline of Materials Engineering in IIT Gandhinagar. He has served as the chair of the Materials Science and Engineering Department at Clemson University (2013-2019). Before joining Clemson in 2013, he was a faculty member in the Materials Science and Engineering Department at the University of Washington (UW). From 1998 to 2005, he was the chairman of his department at UW.

PROF R P CHHABRA

Prof R P Chhabra completed his BE in chemical engineering from the University of Roorkee, ME from IISc Bangalore and PhD from Monash University, Australia. He has been associated with IIT Kanpur; University of New South Wales, Sydney; University College of Swansea; Monash University, Clayton; and University of Sydney. Prof Chhabra was the recipient of the Herdillia Award of the Indian Institute of Chemical Engineers for Excellence in Basic Research in Chemical Engineering and the Amar Dye-Chem Award of the Indian Institute of Chemical Engineers for Excellence in Research and Development.

DR PRAVINRAY D GANDHI

Dr Pravinray D Gandhi is currently corporate fellow, Retail and Industry R&D at the Underwriter's Laboratory (UL), USA. He received his BTech from IIT Delhi and PhD from the University of Notre Dame. His focus is on quantifying fire risks and hazards and has been involved in developing new test methods and standards. He is currently working with the fire safety community and universities to improve fire science education.

PROF RAMESH GAONKAR

Prof Ramesh Gaonkar is a guest professor in the discipline of Electrical Engineering at IITGN. He obtained an interdisciplinary PhD degree in instructional technology and electrical engineering from Syracuse University, Syracuse, New York. He has received numerous awards for his teaching and scholarly activities, including the American Society for Engineering Education (ASEE) Outstanding Teacher Award, St Lawrence Section (1984) the SUNY Chancellor's Award for Creative and Scholarly Activities (2003), the CNY Technology - Outstanding Teacher Award (2003), and the OCC Board of Trustees Award for Outstanding Contributions (1982, 1989 and 2007).

DR RAJEN JASWA

Dr Rajen Jaswa is an accomplished serial technology entrepreneur. His most recent role was that of CEO and chairman of Dyyno from 2009- 2012. From 2003-2008, he volunteered full-time for TiE Silicon Valley, serving as president from 2005-2008 and as a director from 2003-2004. Dr Jaswa was the co-founder, chairman and CEO of Selectica from 1996-2002.

PROF DURGESH C RAI

Prof Durgesh C Rai is a Professor in the Department of Civil Engineering at IIT Kanpur. He received the 2000 Shah Family Innovation Prize from the Earthquake Engineering Research Institute (USA) and the Young Engineer Award from the Indian National Academy of Engineering (1999). He was elected as Fellow of Indian National Academy of Engineering in 2010. He is the coordinator of National Information Centre of Earthquake Engineering (NICEE at IIT Kanpur and serves on the Board of World Seismic Safety Initiative (WSSI) of the International Association of Earthquake Engineering (IAEE).

PROF MYTHILY RAMASWAMY

Prof Mythily Ramaswamy is a professor in the TIFR Centre for Applicable Mathematics, Bengaluru. She received the Fulbright-Nehru Academic and Professional Excellence Fellowship, 2016-17. She was awarded the Kalpana Chawla Award for women scientists in 2004. She is a Fellow of the Indian Academy of Sciences, Bangalore, the National Academy of Sciences, Allahabad, and serves on the Editorial Board of the Journal of Ramanujan Mathematical Society, Proceedings of Indian Academy of Sciences Mathematical Sciences and Boundary Value Problems.

PROF PRAMOD RASTOGI

Prof Pramod Rastogi is a guest professor at the École Polytechnique Fédérale de Lausanne, Switzerland. He received his MTech degree from IIT Delhi, and PhD from the University of Franche Comté, France. He has edited/authored nine books in the fields of holography, DSPI, optical metrology & digital optical signal analysis with internationally reputed publishers. Prof Rastogi is the 2014 recipient of the SPIE Dennis Gabor Award. He is also a member of the Swiss Academy of Engineering Sciences. He is also a recipient of the Hetényi Award for the most significant research paper published in experimental mechanics in the year 1982.

DR SRINIVAS REDDY

Dr Srinivas Reddy did BA in south asian studies from Brown University. He holds an MA and a PhD in south and southeast asian studies from the University of California, Berkeley. Currently he is working as a teaching associate for Applied Music Program – Sitar at Brown University. He has published two books titled "Giver of the Worn Garland: Sri Krishnadevaraya's Amuktamalyada" and "Raya". He has advanced language training in reading and translation in Sanskrit, Pali, Telugu, Tamil. He is founder and artistic director of Sadhana Foundation, a non-profit organisation dedicated to preserving and promoting the classical music of South Asia throughout the world.

PROF DHEERAJ SANGHI

Prof Dheeraj Sanghi is currently vice chancellor of J K Lakshmipat University, Jaipur. Prof Sanghi has been a professor of computer science & engineering at IIT Kanpur. During his association of more than 27 years with IIT Kanpur he has held various leadership positions. He has also maintained various leadership positions such as director, LNMIIT, Jaipur; dean of academic affairs & dean of external relations at IIIT Delhi and director of Punjab Engineering College. Prof Sanghi has a BTech from IIT Kanpur, and MS and PhD from the University of Maryland.

PROF SHYAM SUNDER

Prof Shyam Sunder is the James L Frank Professor of Accounting, Economics, and Finance at the Yale School of Management. He is a world-renowned accounting theorist and experimental economist. His research contributions include financial reporting, information in security markets, statistical theory of valuation, and design of electronic markets. He is a pioneer in the fields of experimental finance and experimental macroeconomics. Prof Sunder has won many awards for his research that includes six books and more than 200 articles in the leading journals of accounting, economics and finance, as well as in popular media.

DR MAHESH TANDON

Dr Mahesh Tandon is an international expert in structural engineering and is the managing director of Tandon Consultants Pvt Ltd. He has served as the president, Indian Association of Structural Engineers (2015-16) and president, Indian Society of Wind Engineering (2015-16). He is a Fellow of Indian National Academy of Engineering (INAE), the past chairman of the National Information Center for Earthquake Engineering at IIT Kanpur and the past president of Indian Concrete Institute.

MR M VENKATARAMAN

Mr M Venkataraman is the immediate past president of the Indian Chapter of International Geosynthetics Society. He obtained a BTech in civil engineering and MTech in soil mechanics and foundation from IIT Madras in 1971. From 1971-1980, he worked in quasi-government organisations to design, execute infrastructure projects. He retired as AVP from Garware in 2005. He has been working as a freelance geotechnical and geosynthetics consultant from 2013 onwards. Mr Venkataraman has written and published more than 50 technical papers in various geotechnical journals.

PROF FREDERICK COOLIDGE

Prof Coolidge is professor of psychology at the University of Colorado, Colorado Springs (UCCS). Prof Coolidge received his BA, MA, and PhD from the University of Florida (UF) and completed a two-year postdoctoral fellowship in clinical neuropsychology at UF. He is currently co-director of undergraduate education in psychology, and the co-director of the Center for Cognitive Archaeology. He has received three teaching awards including the lifetime designation, University of Colorado Presidential Teaching Scholar. He also received the UCCS LAS Annual Outstanding Research and Creative Works Award (2004), and the UCCS Annual Faculty Award for Excellence in Research (2006).

PROF P P JOGLEKAR

Prof Joglekar is the former professor at the Department of AIHC and Archaeology at Deccan College, Pune, Prof Joglekar has over 25 years of experience of teaching. He holds BSc and MSc in zoology, MPhil in statistics, MA in indology; and PhD in archaeology. His research interests revolve around: history of science and technology, archaeological science, humans, plants and animal interactions in the past, biomolecular archaeology, and science and society.

PROF AUROOP R GANGULY

Prof Auroop R Ganguly is a professor of civil and environmental engineering at Northeastern University in Boston, MA. His research intersects weather and hydrologic extremes under climate change, lifeline infrastructures resilience under compound extremes, as well as machine learning and nonlinear physics. Prof Ganguly is a Fellow of the American Society of Civil Engineers (ASCE), a Senior Member of the Association for Computing Machinery (ACM) as well as a Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), and obtained a PhD from the Massachusetts Institute of Technology (MIT).

DR JIMMY THOMAS

Dr Jimmy Thomas is a consulting engineer specialising in geotechnical engineering, geosynthetics, reinforced soil structures and pavement engineering. He graduated in civil engineering from Regional Engineering College Calicut (1986), obtained an MTech in Geotechnical Engineering from College of Engineering Trivandrum (1988) and PhD in Geotechnical Engineering from IIT Kanpur (1997). During his stints with companies such as Netlon India, Gaware-Wall Ropes Ltd and Techfab India Industries Ltd, he worked on a large number of projects in various fields such as roads, railways, landfills, erosion control, reinforced soil structures and ground improvement.

PROF K KRISHNAN

Prof K Krishnan is a professor in the Department of Archaeology and Ancient History at the Maharaja Sayajirao University of Baroda. During the 30 years of his career in this university, he held various posts. His research enabled him to develop a methodology for analysing fine wares, understanding craft specialisation, and assessing the development of technology and its impact on ancient South Asian society, inspiring several students to conduct research on South Asian ceramics. Prof Krishnan has worked towards reconstructing palaeoclimates in central and western India.

PROF AJITHPRASAD P

Prof Ajithprasad, a professor in the Department of Archaeology and Ancient History, the Maharaja Sayajirao University (MSU) of Baroda. He did his BSc from the University of Calicut, MA from the MSU Baroda, PG Diploma from the School of Archaeology, Archaeological Survey of India, and PhD from the MSU Baroda. Prof Ajithprasad has been associated with the MSU Baroda since 1990. His research is focused on prehistoric archaeology, quaternary environmental adaptations and Harappan studies. He possesses the life membership of the Indian Society for Prehistoric and Quaternary Academic bodies and the Indian Archaeological Society, and is also a member of the Geological Society of India.

FACULTY

DISCIPLINE	DESIGNATION	PHD/LAST DEGREE	SPECIALISATION
ARCHAEOLOGICAL SCIENCES			
Sharada V Channarayapatna	Assistant Professor	Deccan College, 2014; University of Ferrara, 2018	Archaeozoology and taphonomy and bioarchaeology
Michel Danino	Visiting Professor	École Supérieure d'Électricité (Gif-surYvette, France), 1977	Archaeology, history and culture of ancient India
Alok Kumar Kanungo	Assistant Research Professor	Deccan College, 2003	History and origin of glass
BIOLOGICAL ENGINEERING			
Dhiraj D Bhatia	Assistant Professor	Tata Institute of Fundamental Research, 2013	DNA nanotechnology and chemical biology
Mukesh Dhanka **	Assistant Professor	IIT Bombay, 2019	Biomedical engineering: biomaterials, drug delivery, bio nanotechnology, orthopedic applications
Sharad Gupta	Associate Professor	University of Pittsburgh, 2009	Protein misfolding in alzheimer's and huntington's diseases
Sharmistha Majumdar	Associate Professor	Cornell University, 2006	Genomic and proteomic analysis of transposases and transposase homologs
Pratik Mutha	Associate Professor	Pennsylvania State University, 2009	Sensorimotor control and learning
Subramanian Sankaranarayanan **	Assistant Professor	University of Calgary, Canada, 2015	Plant developmental biology, biotechnology, genetics, molecular biology, cell biology
Karla Patricia Mercado-Shekhar	Assistant Professor	University of Rochester, 2015	Tissue elasticity imaging and ultrasound techniques
Umashankar Singh	Associate Professor	Uppsala University, Sweden, 2006	Cytoprotection
Ashutosh Srivastava	Assistant Professor	CSIR Centre for Cellular and Molecular Biology, Hyderabad, 2015	Integrative modeling of macromolecular complexes
Vijay Thiruvenkatam	Associate Research Professor	Jiwaji University, 2009	Small molecules x-ray crystallography
CHEMICAL ENGINEERING			
Sameer V Dalvi	Professor	IIT Bombay, 2007	Supercritical fluid processing
Pratyush Dayal	Associate Professor	University of Akron, 2007	Self-oscillating polymer gels
Hari Sai Ganesh	Assistant Professor	The University of Texas at Austin, 2018	Modeling and simulation
Chinmay Ghorai	Professor	IIT Bombay, 2007	Particle engineering and powder processing
Kabeer Jasuja	Associate Professor	Kansas State University, 2011	Synthesis of two-dimensional nanomaterials
Nitin U Padhiyar	Assistant Professor	IIT Bombay, 2008	Process optimization and control
Mithun Radhakrishna	Assistant Professor	Columbia University, 2014	Study of soft matter systems through theory and molecular simulations
Kaustubh S Rane	Assistant Professor	University at Buffalo, 2014	Thermodynamics and statistical mechanics of the interfacial systems
Biswajit Saha**	Assistant Professor	Singapore MIT Alliance: Nanyang Technological University – Singapore (AND) Massachusetts Institute of Technology, USA, 2012	Development of advanced material and sensor
Abinaya Sampath**	Assistant Professor	University of Illinois at Urbana-Champaign, 2022	Heterogeneous catalysis, raman spectroscopy, mass spectroscopy, catalyst synthesis
Karthik Subramaniam Pushpavanam	Assistant Professor	Arizona State University, 2019	Designing and engineering and nanomaterials proteins
Prachi Thareja	Associate Professor	University of Pittsburgh, 2008	In-situ rheology of crystallizing fatty acid pastes

DISCIPLINE	DESIGNATION	PHD/LAST DEGREE	SPECIALISATION
CHEMISTRY			
Chandrakumar Appayee	Associate Professor	IISc Bangalore, 2008	Asymmetric catalysis
Sudipta Basu	Associate Professor	Max-Planck Institute for Molecular Physiology, Germany, 2006	Chemical biology of mitochondria and endoplasmic reticulum
Bhaskar Datta	Associate Professor	Carnegie Mellon University, 2004	Nucleic acid based chemical biology
Sriram V Gundimeda	Associate Professor	IIT Bombay, 2001	Bio-organic chemistry
Iti Gupta	Associate Professor	IIT Bombay, 2005	Macrocyclic receptors & expanded porphyrinoids
Saumyakanti Khatua	Associate Professor	Rice University, 2011	Plasmonics
Sivapriya Kirubakaran	Associate Professor	IISc Bangalore, 2007	Drug discovery and cancer chemical biology
Sairam Swaroop Mallajosyula	Associate Professor	JNCASR, Bangalore, 2009	Carbohydrate-protein interactions
Anirban Mondal	Assistant Professor	Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, 2016	Physical chemistry, thermodynamics, quantum chemistry, spectroscopy
Biswajit Mondal	Assistant Professor	Indian Association for the Cultivation of Science (Jadavpur University), 2017	(Photo)-electrochemistry, electrochemical conversion of value added chemicals, renewable energy, spectroscopy
Sudhanshu Sharma	Associate Professor	IISc Bangalore, 2009	Materials, electrochemistry
CIVIL ENGINEERING			
Sudhir Kumar Arora	Professor of Practice	KSOU, (MBA), 2011	Infrastructure development, water supply (urban/rural), sewer networks and STPs, reuse of treated effluent
Dhiman Basu	Associate Professor	SUNY, Buffalo, 2012	Rotational seismology, complex structures
Udit Bhatia	Assistant Professor	Northeastern University, 2018	Critical infrastructure resilience and network science
Tarun Gangwar**	Assistant Professor	University of Minnesota Twin Cities, 2021	Structural engineering with focus on computational and engineering mechanics
S R Gandhi	Visiting Professor	IIT Madras, 1985	Pile foundation, ground improvement, fly ash disposal field Instrumentation
Gaurav	Associate Professor	University of Minnesota, 2011	Uncertainty quantification
Manish Kumar	Associate Professor	State University of New York at Buffalo, 2015	Performance-based earthquake engineering
Vimal Mishra	Professor	Purdue University, 2010	Surface water hydrology
Pranab Kumar Mohapatra	Professor	IIT Kanpur, 1999	Hydraulics and water resources engineering
C N Pandey	Professor of Practice	North Gujarat University, 2011	Forestry, wildlife, environment
Sameer Patel	Assistant Professor	Washington University, Saint Louis, USA, 2017	Aerosol and air quality
Amit Prashant	Professor	University of Tennessee, 2004	Constitutive modeling for granular materials
G V Rao	Visiting Professor	IISc Bangalore, 1973	Geotechnical testing and evaluation
Ajanta Sachan	Associate Professor	University of Tennessee, 2005	Material characterization
Sushobhan Sen**	Assistant Professor	University of Illinois at Urbana-Champaign, 2019	Transportation engineering within civil engineering, and pavement modeling, design, and sustainability and resilience
COMPUTER SCIENCE AND ENGINEERING			
Nipun Batra	Assistant Professor	IIIT Delhi, 2017	Sensor networks, machine learning and computational sustainability
Abhishek Bichhawat	Assistant Professor	Universität des Saarlandes, Germany, 2018	Language-based security
Bireswar Das	Associate Professor	Institute of Mathematical Sciences, Chennai, 2010	Computational complexity theory and algorithms

* For part of the year
** Joined during the year
*** Deceased

DISCIPLINE	DESIGNATION	PHD/LAST DEGREE	SPECIALISATION
Anirban Dasgupta	Professor	Cornell University, 2005	Algorithms for large scale data
Manoj D Gupta	Assistant Professor	IIT Delhi, 2013	Dynamic graph algorithms
Balagopal Komarath	Assistant Professor	IIT Madras, 2016	Circuit complexity and other low-level computational models
Sameer G Kulkarni	Assistant Professor	Washington University, Saint Louis, USA, 2018	Network function virtualization
Yogesh Kumar Meena**	Assistant Professor	Ulster University UK, 2018	Human-computer interaction, brain-computer interfaces, multimodal interactive systems
Neeldhara Misra	Associate Professor	Institute of Mathematical Sciences, Chennai, 2012	Design and analysis of algorithms
Shouvick Mondal**	Assistant Professor	Indian Institute of Technology Madras, 2021	Software engineering & systems
Mayank Singh	Assistant Professor	IIT Kharagpur, 2019	Text mining natural language & processing and machine learning
CREATIVE LEARNING			
Manish Jain	Teaching Professor	IIT Kanpur, (BTech), 1993	3D geometry, polyhedra, geodesics, machines & mechanisms, and recreational math
DESIGN			
Manasi A Kanetkar	Assistant Teaching Professor	IIT Bombay, (MDes), 2006	Pedagogy in design education and semiotics & design
Sameer Sahasrabudhe**	Professor of Practice	Yashwantrao Chavan Maharashtra Open University (YCMOU), Nashik, 2015	Design considerations for creating elearning animations.
EARTH SCIENCES			
Vikrant Jain	Professor	IIT Kanpur, 2001	Earth surface processes
Pankaj Khanna	Assistant Professor	Rice University, 2017	Carbonate depositional systems, sea-level fluctuations, geothermal energy
Utsav Mannu	Assistant Professor	ETH Zurich, 2016	A holistic appreciation of geodynamic processes using numerical modeling
R N Singh	Visiting Professor	Banaras Hindu University, Varanasi, 1969	Modeling of near-surface geophysical and environmental processes
Pradeep Srivastava	Adjunct Professor	Peoples' Friendship University, Moscow, Russia, 1983	Theoretical mechanics & control systems
ELECTRICAL ENGINEERING			
Tarun Kumar Agarwal	Assistant Professor	KU Leuven, 2018	Modeling and simulation of emerging nanoscale devices
Pallavi Bharadwaj**	Assistant Professor	Indian Institute of Science, 2019	Design, modelling and optimization of renewable power conversion systems
Arup Lal Chakraborty	Professor	University of Strathclyde, UK, 2010	Tunable diode laser spectroscopy for gas parameter measurement
S B Chakrabarty	Visiting Professor	IIT Kharagpur, 1995	Electromagnetic modelling, simulation and design of the antenna, microwave remote sensing and navigation
Mukul Chandorkar**	Visiting Professor	University of Wisconsin-Madison, USA, 1995	Electric machine analysis, microprocessor applications in power electronics, simulation of power electronic circuits
Nithin George	Associate Professor	IIT Bhubaneswar, 2012	Active noise control, adaptive signal processing
Ravi Hedge	Associate Professor	University of Michigan, Ann, Arbor, 2008	Optical properties of nanostructures
Anand Kumar	Professor of Practice	Lucknow University, 1998	Power sector regulation, training and capacity building, policy & finance, renewable energy policy & regulation
Ragavan K.	Associate Professor	IISc Bangalore, 2006	Transformer diagnostics

DISCIPLINE	DESIGNATION	PHD/LAST DEGREE	SPECIALISATION
Uttama Lahiri	Professor	Vanderbilt University, 2011	Virtual reality based human computer interaction used in affective computing
Joycee Mekie	Associate Professor	IIT Bombay, 2009	VLSI design
Nihar Ranjan Mohapatra	Professor	IIT Bombay, 2003	Semiconductor devices and technology
Naran M Pindoriya	Associate Professor	IIT Kanpur, 2009	Restructuring power systems-technical and economical issues
S Rajendran	Associate Teaching Professor	IIT Madras (MTech), 1988	High speed packaging machines-VFFS and HFFS technologies
Shanmuganathan Raman	Associate Professor	IIT Bombay, 2011	Computational photography
Jhuma Saha	Assistant Professor	IIT Bombay, 2019	III-V semiconductor materials and devices, Microelectronics and VLSI design
Himanshu Shekhar	Assistant Professor	University of Rochester, 2014	Therapeutic ultrasound and nonlinear imaging
HUMANITIES AND SOCIAL SCIENCES			
Ambika Aiyadurai	Assistant Professor	National University of Singapore, 2015	Anthropology of nature conservation and the role of local communities
Mohd. Mubashshir Ahsan	Lecturer	Jawaharlal Nehru University, 2016	Arabic and Islamic studies in India
Arka Chattopadhyay	Assistant Professor	Western Sydney University, 2016	20th century literature: modernism and postmodernism, modern theatre, European avant garde fiction
Nishaant Choksi	Assistant Professor	University of Michigan, Ann Arbor, 2014	Semiotics; linguistic ethnography; script and writing systems
Jooyung Kim	Assistant Teaching Professor	University of Delaware, 2018	Linguistics syntax and semantics
Sharmita Lahiri	Associate Professor	University of Houston, 2008	Postcolonial literature and composition
Leslee Lazar	Assistant Teaching Professor	National Brain Research Centre, Gurugram, 2013	Neuroscience of design, science communication, cultural cognition, behavioral change
Jaison A Manjaly	Professor	IIT Kharagpur, 2008	Experience, consciousness, rationality
Angus McBlane	Visiting Assistant Professor	Cardiff University, 2014	Cultural theory, embodiment, environmental humanities
Achal Mehra*	Visiting Professor	Southern illinois University, Carbondale, 1985	Online media, media management, investigative reporting, media law and media ethics
Krishna Prasad Miyapuram	Associate Professor	University of Cambridge, 2008	Brain imaging (fMRI) and cognitive science
Rosa Maria De Figueiredo Peres	Visiting Professor	ISCTE, Lisbon, 1992	Social structures, social segregation, subaltern studies, portuguese colonialism and post-colonialism in India
V N Prabhakar	Associate Professor	Kurukhsetra University, 2013	Archaeology of protohistorical India
Arnapurna Rath	Assistant Professor	IIT Bombay, 2010	South-asian literature, critical theories, bakhtin studies, creative writing
Madhumita Sengupta	Assistant Professor	University of Calcutta, 2009	Colonial India and the socio-political history of Assam
Mana A Shah	Lecturer	Gujarat University, (MA), 2012	Sanskrit and prakrit grammar, jain kavya and stotra literature, manuscriptology
Deepak Singhania	Assistant Professor	University of California, Riverside, 2017	Interaction of development economics, public policy, and political economy
Malavika Subramanyam***	Associate Professor	Harvard University, 2009	Socioeconomic context and neighbourhoods on nutrition and diabetes
Meera Mary Sunny	Associate Professor	University of Warwick, 2011	Visual attention, attention capture

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DISCIPLINE	DESIGNATION	PHD/LAST DEGREE	SPECIALISATION
Aashish Xaxa**	Assistant Professor	Tata Institute of Social Sciences, 2021	Development studies, urban sociology, tribal sociology, social exclusion and inclusive policies
MATERIALS ENGINEERING			
Amit Arora	Associate Professor	The Pennsylvania State University, 2011	Friction stir welding, heat transfer and visco-plastic flow
Abhay Raj Singh Gautam	Assistant Professor	University of Virginia, 2009	Interface structure and dynamics
Pradipta Ghosh	Assistant Professor	IISc Bangalore, 2014	Synthesis of nanocrystalline metals alloys and composites, microstructure characterization of nanocrystalline materials
S P Mehrotra	Visiting Professor	IIT Kanpur, 1973	Mineral processing and process metallurgy
Abhijit Mishra	Associate Professor	University of Illinois, Urbana-Champaign, 2010	X-Ray diffraction, membrane properties
Jyoti Mukhopadhyay	Visiting Professor	IIT Bombay, 1982	Structure – property correlation
Superb Kumar Misra	Associate Professor	Imperial College London, 2007	Biomaterials and tissue engineering
Raghavan Ranganathan	Assistant Professor	Rensselaer Polytechnic Institute, 2016	Atomistic/molecular simulations of structure- property relations and dynamics of soft matter
Sriharitha Rowthu	Assistant Professor	École Polytechnique Fédérale de Lausanne, 2016	Wetting and dewetting phenomena
Emila Panda	Associate Professor	Max Planck Institute, Germany, 2009	Investigations of thin films and nanostructured materials
MATHEMATICS			
Sanjaykumar Amrutiya	Assistant Professor	Harish-Chandra Research Institute, Allahabad, 2012	Tannakian group schemes, moduli spaces, vector bundles
Projesh Nath Choudhury**	Assistant Professor	IIT Madras, 2018	Matrix theory, in connection with positivity and combinatorics
Atul Abhay Dixit	Associate Professor	University of Illinois at Urbana-Champaign, 2012	Analytic number theory
Mohan Joshi	Visiting Professor	Purdue University, 1973	Nonlinear analysis
Gadadhar Misra	Visiting Professor	Stony Brook University, NY, 1982	The broad area of operator theory using tools from complex geometry and representation theory
Rohit Kumar Mishra	Assistant Professor	TIFR Centre for Applicable Mathematics Bangalore, 2017	The field of inverse problems related to integral geometry, partial differential equations
Chetan Pahlajani	Assistant Professor	University of Illinois, Urbana-Champaign, 2007	Probability theory and stochastic processes
Satyajit Pramanik*	Assistant Professor	IIT Ropar, 2016	Mathematical modeling and scientific computing
Arnab Saha	Assistant Professor	University of New Mexico, 2012	Arithmetic jet spaces
Bipul Saurabh	Assistant Professor	Indian Statistical Institute, Delhi, 2016	Operator algebras, noncommutative geometry and quantum groups
Indranath Sengupta	Professor	IISc Bangalore, 2001	Commutative algebra, algebraic geometry
V D Sharma	Visiting Professor	Banaras Hindu University, 1972	Quasilinear systems of partial differential equations
Tanya Kaushal Srivastava	Assistant Professor	Freie Universitat Berlin Germany, 2018	Algebraic geometry (Mathematics)
Jagmohan Tyagi	Associate Professor	IIT Kanpur, 2008	Ordinary differential equations, elliptic partial differential equations
Akshaa Vatwani	Assistant Professor	Queen's University, 2016	Analytic number theory, sieve methods and algebraic number theory
MECHANICAL ENGINEERING			
Ravi Sastri Ayyagari	Assistant Professor	Illinois Institute of Technology, 2013	Solid mechanics, constitutive modeling, computational mechanics

DISCIPLINE	DESIGNATION	PHD/LAST DEGREE	SPECIALISATION
Atul Bhargav	Professor	University of Maryland, College Park, 2010	Fuel cell systems design and simulation
Uddipta Ghosh	Assistant Professor	IIT Kharagpur, 2016	Low-reynolds number hydrodynamics, with special focus on electrokinetics of complex systems
K R Jayaprakash	Assistant Professor	University of Illinois at Urbana Champaign, 2013	Wave propagation in one and two-dimensional granular media
Chelva Kumar**	Visiting Professor	California Institute of Technology, 1985	Solar power: cell physics, panel production, off-shore installations and solar power economics and finance
Harish J Palanthandalam-Madapusi	Associate Professor	University of Michigan, Ann Arbor, 2007	Systems and control theory, system identification (data-based modeling)
Vinod Narayanan	Associate Professor	JNCASR, Bangalore, 2006	Fluid mechanics
N Ramakrishanan	Visiting Professor	IIT Bombay, 1980	Manufacturing, automation and composite materials
D P Roy*	Visiting Professor	Tech University Aachen, 1976	Fluid dynamics and fluid machinery
Soumyadip Sett	Assistant Professor	University of Illinois at Chicago, 2016	Energy engineering, thermo-fluids, heat transfer, interfacial phenomena and micro/nanoscale
G K Sharma	Visiting Professor	Moscow Power Engineering Institute, 1974	Thermal engineering
Harmeet Singh**	Assistant Professor	Virginia Tech, 2018	Classical continuum mechanics; elasticity; mechanics of one dimensional thin bodies
Dilip S Sundaram	Associate Professor	Georgia Institute of Technology, 2013	Thermofluid sciences, combustion, and energetic materials
Jaichander Swaminathan	Assistant Professor	Massachusetts Institute of Technology, 2017	Thermal sciences, water-energy systems, industrial reuse and recycling
Venkata Madhukanth Vadali	Assistant Professor	University of Wisconsin, Madison, 2013	Dynamic systems, control systems, manufacturing, mechatronics, robotics
Vineet Vashista	Assistant Professor	Columbia University, 2015	Design and control of mechanical systems
PHYSICS			
Rupak Banerjee	Associate Professor	University of Calcutta (Saha Institute of Nuclear Physics), 2012	Surface physics and materials science
Prasanna Venkatesh Balasubramanian	Assistant Professor	McMaster University, 2013	Theoretical research in quantum optics and nanophysics, ultracold atomic physics
Arpan Bhattacharyya	Assistant Professor	IISc Bangalore, 2015	Quantum entanglement in many-body systems
Vinod Chandra	Associate Professor	IIT Kanpur, 2009	Quark-gluon-plasma and relativistic heavy ion collisions
Baradhwaj Coleppa	Associate Professor	Michigan State University, 2009	Beyond the standard model – model building and LHC, phenomenology of new states
Krishna Kanti Dey	Assistant Professor	IIT Guwahati, 2011	Active matter, colloidal dynamics, nanotechnology
Gopinadhan Kalon	Assistant Professor	IIT Delhi, 2008	Experimental condensed matter physics, nanofluidics/desalination techniques
Krista Roluahpuia Khiangte**	Assistant Professor	Indian Institute of Technology Bombay, 2018	Experimental condensed matter physics
Chandan Kumar	Assistant Professor	Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, 2017	Experimental soft condensed matter physics
Rusa Mandal**	Assistant Professor	The Institute of Mathematical Sciences, Chennai, 2018	High energy particle physics

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** Joined during the year
*** Deceased

DISCIPLINE	DESIGNATION	PHD/LAST DEGREE	SPECIALISATION
R R Puri	Visiting Professor	Bombay University, 1981	Theoretical quantum optics, quantum mechanics, random matrix theory of quantum chaos
Sutapa Roy	Assistant Professor	Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, 2013	Theoretical physics, statistical mechanics, soft matter
Sudipta Sarkar	Associate Professor	University of Pune, IUCAA, 2009	General relativity and black hole thermodynamics
Anand Sengupta	Associate Professor	IUCAA Pune, 2005	Detection of gravitational waves, aspects of CMB data analysis

NON−TEACHING STAFF AGAINST REGULAR POSITIONS

EMPLOYEE NAME	DESIGNATION
Kunal Agnihotri	Junior Accounts Assistant
Jyothish A P	Junior Laboratory Attendant
M Armugam	Junior Laboratory Attendant
Suganya Arumugam	Junior Technical Superintendent
Palak R Bagiya	Laboratory Assistant
Sudeep Narayan Banerjee*	System Analyst
Suvakanta Barik	Technical Superintendent
Raju Beerasent	Junior Technical Superintendent
Timir Yakunj Berawala	Assistant
Ram Babu Bhagat	Joint Registrar
Mukesh Bhandari*	Assistant Registrar
Rahulendra Bhaskar	Technical Superintendent
Kandarp Bhatt	Junior Accounts Officer
Nirav Madanbhai Bhatt	Junior Laboratory Assistant
Sabarmati Bhattacharya	Library Information Assistant
Tushar Brahmbhatt	Laboratory Attendant
Aravind Chadhar	Junior Laboratory Attendant
Saptami Chattaraj**	Junior Engineer
Biresh Chaubey	Assistant Registrar
Pannaben Chaudhari	Assistant Librarian
Hareshkumar Chaudhari	Assistant Staff Nurse
Rohit Chaudhary	Technical Superintendent
Praveen Chauhan	Junior Superintendent
Krupesh Chauhan	Junior Accountant
Pratikkumar Chavda	Junior Laboratory Assistant
Aakash Choubey**	Junior Assistant
Akshay Kumar Choudhary**	Junior Assistant
Prem Kumar Chopra	Registrar
Parulben Christian	Assistant Staff Nurse
Tapas Das	Senior Library Information Assistant
Dinesh Desai	Junior Laboratory Attendant
Love Deshwal**	Assistant Engineer
Jayesh Dhabhai**	Junior Engineer
Bhavna Dharani	Junior Accountant

EMPLOYEE NAME	DESIGNATION
Tej Bahadur Gaurang	Assistant
Supin Gopi	Technical Superintendent
Hemant Gupta	Junior Assistant
Laxmi Hirani	Laboratory Assistant
Yogesh Jade	Junior Superintendent
Sudarshini Jain	Junior Accounts Officer
Nivita Naval Jain	Junior Accounts Assistant
Piyush Jaiswal**	Assistant Engineer
Achintya Jana	Junior Technical Superintendent
N Jayakumar	Assistant Engineer
Meena Joshi	Assistant Registrar
Santosh Kumar Joshi	Assistant Physical Training Instructor
Jithesh V K	Superintendent
Navdiwala K	Laboratory Assistant
Payal Kabariya	Junior Assistant
Ashish Kanojiya	Junior Laboratory Assistant
Dharmeshkumar Kapadiya	Laboratory Attendant
Mangeshkar Karade	Junior Engineer
Hani Khamar	Assistant
Chirag Khuha	Junior Accounts Assistant
Vikas Kumar	Executive Engineer (Civil)
Anil Kumar	Junior Accounts Assistant
Sanjay Kumar*	Assistant Registrar
Sharad Kumar*	Junior Laboratory Assistant
Dipakkumar Lalpura	Junior Assistant
Pijush Majumdar	Assistant Registrar
Prashant Makwana	Assistant
Paresh B Makwana	Junior Accounts Assistant
Shrikant Mali	Junior Superintendent
Ibrahim Mallik*	Assistant Engineer
Vijay Meena	Junior Accountant
Parth Mehta	Junior Assistant
Laxmikant Mishra	Assistant Executive Engineer
Architaben M Muchhadia**	Senior Library Information Assistant
Sidh Nath **	Junior Superintendent

Pradipbhai Ninama	Junior Laboratory Attendant
Dharmendra Panchal	Assistant Engineer
Sanjeev Pandey	Accounts Officer
Ashish Pandey	Junior Laboratory Attendant
Pragnesh Parekh	Technical Superintendent
Dinesh Parmar	Senior Physical Training Instructor
Bhavik Parmar	Junior Accounts Assistant
Shaileshkumar Patani	Junior Assistant
Sachin Patel	Senior System Analyst
Sanket Patel	Technical Superintendent
Twinkle Patel	Accounts Officer
Harshad Patel	Accounts Officer
Kamini Patel	Junior Superintendent
Arika Patel	Junior Accounts Officer
Darshan Patel	Assistant
Jignesh Patel	Laboratory Assistant
Sanjay Patel	Laboratory Assistant
Bhikhabhai Patel	Junior Laboratory Attendant
Rajendrabhai Patel	Junior Helper
Akash Patel*	Junior Superintendent
Jitendra Pawar	Junior Accountant
Krishna Pilojpara	Junior Laboratory Assistant
Neeraj Piploda**	Supeintending Engineer
Don Plackal	Junior Laboratory Assistant
Jayesh Prajapati	Junior Laboratory Attendant
Ashish Pundir**	Junior Assistant
Narendra Rabadiya	Assistant
Vaibhavi Raulji	Junior Assistant
Santosh Raut	Superintendent
Pranav Rohit	Assistant Registrar
Pavitra Kumar Rout	Junior Accountant
Saswati Roy	Assistant Registrar
Kumar Saha	Junior Accounts Assistant
Shibaram Sahoo	Junior Laboratory Attendant
Rupali Salve	Junior Assistant
Jay Sampat	Junior Accounts Assistant
Komal Sangtani	Assistant

Viral Shah	Assistant Registrar
Sujit Shah	Assistant
Hradesh Sharma	Joint Registrar
Mukesh Sharma	Senior Staff Nurse
Deepak Sharma	Junior Laboratory Assistant
Gaurav Shukla	Superintendent
Nitin Shukla	Technical Superintendent
Mantasha Siddiqui	Library Information Assistant
Gaurav Singh	Junior Superintendent
Gauttam Kumar Singh**	Junior Superintendent
Ratnesh Singh	Assistant Physical Training Instructor
Harish Singh	Junior Assistant
Tenils Solanki	Superintendent
Mrugesh Solanki	Superintendent
Ravi Soni	Assistant Executive Engineer
Jatinkumar Soni	Junior Laboratory Assistant
Hiral Suchak	Junior Accountant
Raviraj Sukhadiya	Junior Laboratory Assistant
Ishani M Sutaria**	Assistant Registrar
Vijay Sutreja**	Junior Assistant
Sachin Tawde	Technical Superintendent
Prabhuji Thakor	Laboratory Attendant
Supresh Thaleshari	Laboratory Attendant
Shubham Tongire	Junior Laboratory Assistant
Aman Tripathi	Junior Laboratory Assistant
Suryakant Tyagi	Junior Engineer
Rajendra Vaishnav	Accounts Officer
Lakshmipriya Valappil	Junior Accountant
Piyushbhai Vankar	Assistant
Manish Yadav	Junior Laboratory Attendant
Anjanaba Zala	Junior Accountant
Devendrasinh Zala	Driver
Rajji	Junior Engineer
Akshay	Junior Accountant
Jaiprakash**	Junior Assistant
Babloo	Junior Laboratory Attendant

* For part of the year
** Joined during the year

ALUMNI RELATIONS

IITGN alumni are engaged in numerous alumni initiatives including fundraising campaigns, masterclass sessions, alumni meetups and annual alumni reunions. Over the years, alumni engagement has improved in several ways including effective interpersonal communication, personalisation, networking events, career services, giving opportunities, and alumni mentoring programs.

ANNUAL ALUMNI GIVING 2022–23

- 54.8% alumni donated to IITGN
- 85% alumni donated to IITGN during 2012-13 to 2022-23

The annual fundraising campaign is aimed at increasing the alumni giving participation rates and the total giving. The practice of IITGN alumni making financial donations to support their alma mater has been extremely successful over the years.

More than 54% of IITGN alumni have collectively made financial contributions worth Rs 69 lakhs, with an average donation of Rs 4000, during the financial year 2022-2023. The alumni had the opportunity to make financial donations to their favourite funds from over fifteen different categories of funds.

The alumni giving at IITGN has created twenty-three alumni scholarships, six class scholarships, and batch gift funds for various programs.

Alumni Giving during last four financial years

Financial Year	Alumni strength	Alumni donors	Percentage of donors	Total donation	Average donation
2019-20	1,762	883	50.1%	₹36L	₹4,103
2020-21	2,208	1,215	55%	₹56L	₹4,602
2021-22	2,749	1,381	50.2%	₹47L	₹3,388
2022-23	3,140	1,723	54.9%	₹69L	₹4,007

YOUNG ALUMNI EXCELLENCE AWARDS

Young Alumni Excellence Awards at IITGN celebrate the accomplishments of recent graduates and highlight the impact of their education and experiences at IITGN. The awards recognize the achievements of IITGN alumni who have made significant contributions to their respective fields early in their careers.

Four alumni excellence awards were conferred with a medallion and a commendation in various categories during the Homecoming 2022.

OUTSTANDING ACADEMIC ACHIEVEMENT

Yogesh Goyal
Assistant Professor, Northwestern University, USA

OUTSTANDING PROFESSIONAL ACHIEVEMENT

Kislay Pankaj
CTO, Founding Member, Micelio Motors, India

OUTSTANDING ENTREPRENEURSHIP

Sarthak Jain
CEO, Nanonets, USA
Prathamesh Juvatkar
CTO, Nanonets, USA

EVENTS

FIRST GRAD WALK CEREMONY

The COVID-19 pandemic has had a significant impact on many aspects of life, including traditions such as the IITGN convocation ceremonies during 2020 and 2021. While missing out on convocation was disappointing for graduates, the IITGN Alumni Relations came up with the first Grad Walk ceremony for the Class of 2020 and 2021 that gave the experience of attending a physical convocation and celebrating it with their dear ones. Over 250 graduates attended the Grad Walk Ceremony held on Dec 23, 2022.

HOMECOMING 2022

Homecoming at IITGN is an annual alumni event aimed to bring together graduates from different years and celebrate their shared experiences and memories. Homecoming at IITGN provides an opportunity for alumni to reconnect with old friends, network with other alumni, and stay connected with their alma mater.

Homecoming 2022 was hosted on Dec 22-23, 2022, at IITGN campus in which more than 350 alumni participated. Homecoming 2022 enabled alumni to reconnect with IITGN and stay engaged with various alumni initiatives.

ALUMNI MEETUPS

ALUMNI MEETUP IN MUMBAI

Alumni meetup in Mumbai was hosted by **Prof Jaison Manjaly**, professor-in-charge, Alumni Relations on Feb 26, 2023. More than 50 alumni from Mumbai and Pune attended the event.

ALUMNI MEETUP IN BANGALORE

Alumni meetup in Bangalore was hosted by **Prof Jaison Manjaly** (professor-in-charge, Alumni Relations) on Feb 06, 2023. More than 180 alumni attended the event. The alumni had a chance to interact with **Prof Sudhir Jain** (founding director, IITGN), **Prof Ashok Misra** (former director, IIT Bombay), **Dhananjay Collu**r (MD of Computer Products Pvt Ltd)

IITGN NEXT - ALUMNI MEETUP USA

The IITGN faculty team including professors **Amit Prashant, Ashutosh Srivastava, Jaison Manjaly, Neeldhara Misra, Nithin George and Pratik Mutha** visited different cities in the USA from May 29 -Jun 18, 2022, to meet with IITGN Alumni and IITGN Friends. The Alumni meets were hosted in multiple locations in the USA including Boston, Seattle, San Francisco, San Diego, Los Angeles, Virginia Tech, Tampa, Washington DC, and New Jersey. Nearly 100 IITGN alumni in the USA attended the events hosted in multiple cities. IITGN well-wishers including **Suresh Shenoy** (IIT Bombay alumnus), **Hiten Ghosh** (IIT Kharagpur alumnus), **Atul Singh** (editor-in-chief of Fair Observer and visiting professor IITGN), **Christopher Schell** (contributing editor of Fair Observer), were part of the event.

ALUMNI INITIATIVES

ALUMNI RESIDENCY PROGRAM

Alumni are encouraged to be involved with various activities and initiatives of the Institute, such as teaching courses, mentoring student-driven projects, and entrepreneurial initiatives.

ALUMNI IN CLASSROOM

Faculty engage alumni in the classroom for discussions and class.

ALUMNI MASTERCLASS

Virtual webinars presented by the alumni. More than 25 MasterClass sessions have been conducted.

ALUMNI START-UP DIALOGUES

Alumni entrepreneurs share their insights into entrepreneurial thinking, strategies, success management, and the trajectory of a start-up.

ASSOCIATE ALUMNI PROGRAM

Individuals who spent time at IITGN for various programmes such as Summer Research Internship Programmes, non-degree students, etc, are eligible for the Associate Alumni Membership.

HONORARY ALUMNI PROGRAM

Individuals who are not graduates of IITGN but make significant contributions to the welfare, reputation, impact, and prestige of IITGN will be recognized by IITGN as Honorary Alumni of IITGN.

JEE OPEN HOUSE WITH ALUMNI

Every year IITGN invites JEE Advanced qualifiers and their parents to Open House sessions that are hosted online.

ALUMNI CLUSTERS

Alumni Clusters launched on the Alumni Portal to facilitate alumni communication, interaction, and meet-ups. Alumni Clusters act as a support mechanism for the alumni community, connect with their IITGN comrades and build a strong IITGN community.

STUDENT LED PROGRAM

Student leadership engaged with alumni on various initiatives to promote connection between students and alumni.

BATCH GIFTS

Graduating students pledged a part of their security deposit as a batch gift, which will then be pooled into class scholarships. An impressive 59% of the graduating Class of 2022 have pledged their batch gifts worth Rs 4.68 lakhs.

MEDIA AND COMMUNICATION

Regularly curated social media posts over various platforms, including Facebook, LinkedIn, Instagram, Twitter, and the Alumni web portal. personalised birthday calls, greetings, alumni stories, fundraising campaigns, publication of biannual newsletters, and alumni annual reports.

ALUMNI PORTAL AND MOBILE APP

The latest upgrade to the alumni portal and the mobile apps on Android and iOS platforms provide improved user experience with many new features, such as Special Interest Groups and Alumni Clusters.

IITGN EMAIL ACCOUNT

All alumni continue to enjoy access to the IITGN email with the IT supporting them to stay connected with IITGN.

ALUMNI CAREER SUPPORT

The Career Development Service and Alumni Relations Office provide support to alumni who require career support.

ALUMNI DATABASE

The alumni database portal incorporates all details of all the alumni, including current status, educational background, personal details, comprehensive academic history at IITGN, donation records, family background, detailed track record of alumni during their time at IITGN, including extracurricular activities, projects, internships, and leadership positions.

ALUMNI MENTORSHIP

This module is incorporated into the alumni portal. Alumni mentor the current students on higher studies, career choices and professional advancement.

POWER OF 5

The Power of 5 is a bold initiative of IITGN to endow 50 scholarships over the coming years with individual donations of Rs 5 lakhs by alumni of IITGN. According to this initiative, alumni donating Rs 5 lakhs will create a perpetual scholarship worth Rs 1 lakh yearly.
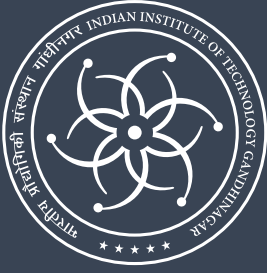
- Alumni donate Rs 5 lakhs
- This amount is equally matched with a private donor to create Rs 10 lakhs
- The Institute matches the combined contribution with Rs 10 lakhs to create a total corpus of Rs 20 lakhs
- The corpus of Rs 20 lakhs is suitably invested and creates a perpetual scholarship of Rs 1 lakh annually

List of alumni-endowed scholarships instituted in 2022-23

Name of the Alumni	Name of the Scholarship
Madan Taldevkar	Shree Janardan Taldevkar Scholarship
Abhishek Navarkar	Asha & Chandrakant Navarkar Scholarship
Neel Nadkarni	Devika & Prashant Nadkarni Scholarship

In the past two years, ten alumni endowed scholarships were instituted by our alumni, which portrays a sense of gratitude, loyalty, and a desire to give back to the institution that helped them achieve their goals. A total of 23 alumni endowed scholarships have been instituted so far.

Indian Institute of Technology Gandhinagar