

# NATIONAL INSTITUTE OF TECHNOLOGY

**DURGAPUR**  
**2025-2026**



## PLACEMENT BROCHURE



[placement.nitdgp.ac.in](http://placement.nitdgp.ac.in)



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Durgapur,  
West Bengal-713209



**Prof. Arvind Choubey**  
Director, NIT Durgapur

## From the Director's Desk,

“ It is a matter of great pleasure to release the Placement Brochure of NIT Durgapur. This new brochure comes with a host of first-hand knowledge about the institute. It not only highlights the educational programs operating on campus but also some of the most recent achievements of students, faculty members, and the institute as a whole on various national platforms.

The dynamic and expansive curriculum for each program is available on the website. The existing program curriculum gives aspiring students a lot of flexibility and opportunity.

This brochure fantastically focuses on various academic research facilities and relevant outputs of social importance. Campus facilities that inject life into the system have also been nicely depicted in this booklet. Lastly, it is noteworthy that NIT Durgapur has produced many highly reputed personalities, and an honest attempt has been made to inspire the student community. ”

## From the Coordinator's Desk,

“ Youths are the backbone of society and the nation as a whole. NIT Durgapur provides ample scope for their holistic development. Here, we believe in excellence in academic pursuits as well as spearheading leadership roles. Students are encouraged to take charge of their lives and go beyond the ordinary and are motivated to embrace a wider perspective of life.

I want to take the opportunity to invite all prospective stakeholders to go through the brochure for comprehensive information about the institute. It outlines the achievements of faculty members and students, infrastructural facilities, placement statistics, campus events, and significant contributions of our notable alumni, among other relevant details. Take the plunge and explore the plethora of opportunities lying before you. ”

**Prof. Aniruddha Mondal**  
Coordinator, TNP Cell NIT Durgapur.



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# NIT DURGAPUR

**National Institute of Technology Durgapur** was established as a Regional Engineering College (REC) in 1960, being one of the first five RECs in this country. In 2003, it was granted Deemed University status and was renamed the National Institute of Technology, Durgapur. Later in the year 2007, the Union Government of India declared it an "Institute of National Importance" along with IITs and IIMs. NIT Durgapur is one of the leading institutes in engineering and research.

The institute, being the first institute in Eastern India to be selected as a Lead Institute under the Technical Education Quality Improvement Programme (TEQIP) of the Govt. of India, funded by the World Bank, is now holding the 6th position among all the NITs and the 29th position in engineering institutes as ranked by NIRF-MHRD. The institute offers an advanced curriculum with full-semester internship opportunities and minor programs. NIT Durgapur recognizes the development and implementation of joint research projects and innovative activity within the frame of educational programs as a BRICS network university. Sharing the vision of transformational changes in rural development processes, the institute is an active member of the Unnat Bharat Abhiyan, Govt. of India.



# OUR TEAM

Placement coordinators



**Dr. Suman Halder**  
+91-9434788187



**Dr. Umamaheswararao  
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+91-7989837958



**Dr. Amita Barik**  
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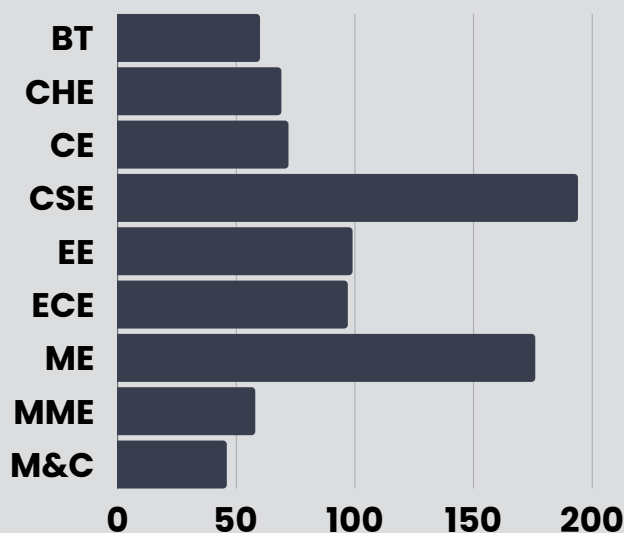
# PROGRAMMES OFFERED

## B.TECH (4 years)

Biotechnology	75
Civil Engineering	80
Chemical Engineering	75
Computer Science and Engineering	187
Mathematics and Computing	60
Electrical Engineering	100
Electronics and Comm. Engineering	97
Mechanical Engineering	187
Metallurgical and Materials Engineering	75

### Total

75
80
75
187
60
100
97
187
75



## B. Tech + M.Tech dual deg. (5 y)

Biotechnology	7
Chemical Engineering	7

### Total

7
7

## Integrated M.Sc (5 years)

Physics	19
Chemistry	19

### Total

19
19

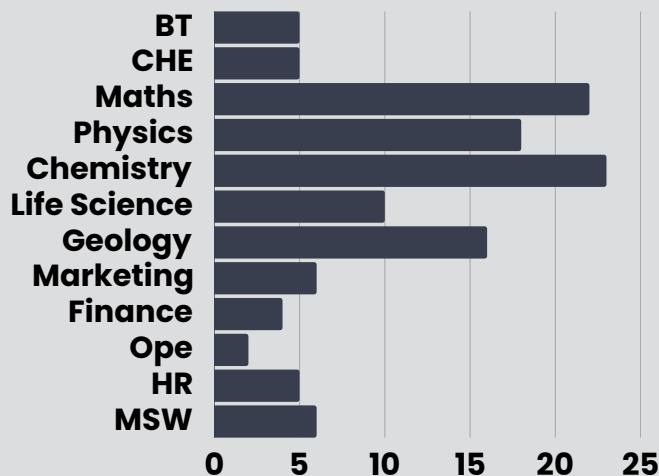


## M.Sc (2 years)

Physics	18
Chemistry	23
Mathematics	22
Life Science	10
Applied Geo. & Geo-Informatics	16

### Total

18
23
22
10
16



## MBA (2 years)

Finance	4
Marketing	6
Operations	2
Human Resource Management	5

### Total

4
6
2
5

## MSW (2 years)

Humanities and Social Sciences	6
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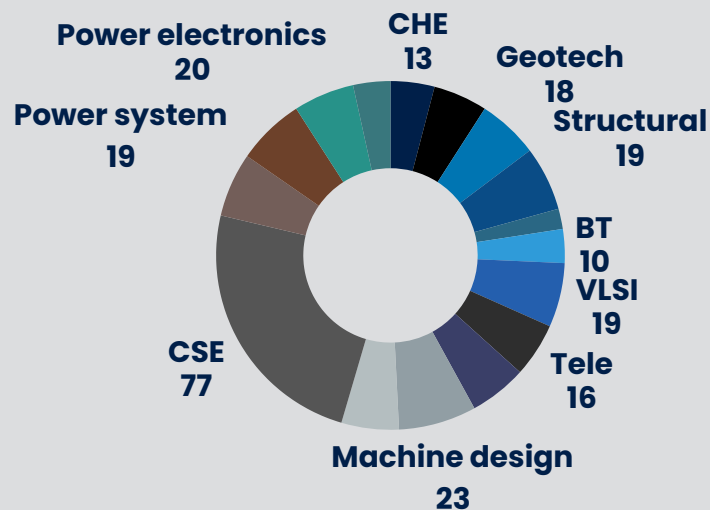
### Total

6
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# STUDENT STRENGTH (PG)

## M.TECH SPECIALIZATIONS

-  Biotechnology
-  Chemical Engineering
-  Civil – Structural Engineering
-  Civil – Geotechnical Engineering
-  Computer Science and Engineering
-  Environmental Science and Technology
-  Electrical – (Power Systems)
-  Electrical – (Instrumentation and Control)
-  Electrical – (Power Electronics and Machine Drives)
-  Electronics – (Telecommunication Engineering)
-  Electronics – (Microelectronics and VLSI)
-  Entrepreneurship and Innovations
-  Operations and Research
-  Mechanical – (Machine Design)
-  Mechanical – (Fluid Mechanics and Heat Transfer)
-  Mechanical – (Thermal Engr.)
-  Metallurgy and Materials Technology
-  Physics – (Advanced Material Science and Technology)



# PLACEMENT PROCESS

Companies must fill out the Campus Placement Information form, after which the placement cell schedules their visit based on available slots.

At the end of the selection process, the company must provide the final list of selected students.

**CAMPUS PLACEMENT INFORMATION**

Candidates are shortlisted through CVs, online tests, or group discussions.

**FINAL LISTING**

**SHORTLIST**



**INVITATION**

**INTERVIEW**

**PRE PLACEMENT TALK**

The Training and Placement Cell invites companies with relevant details.

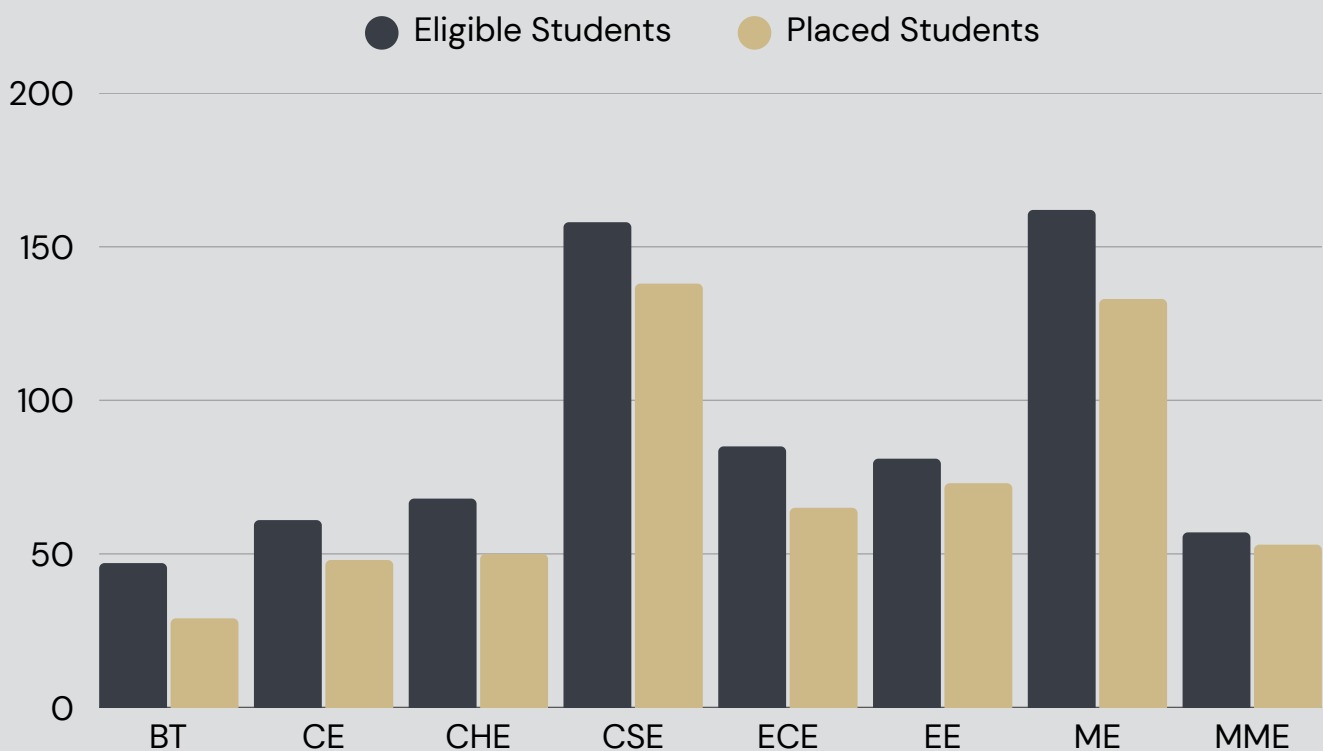
The company may conduct a Pre-Placement Talk for students participating in the recruitment process.

Shortlisted candidates are interviewed by company officials.

# PLACEMENT STATISTICS 2024 - 2025



*We the Training and Placement Cell, NIT Durgapur present to you the lucrative statistics for the year 2024-25.*



**590+**

**Total Jobs Offered**

**82%**

**Overall Placement Percentage**

**52LPA**

**Highest Package**

**12.61PA**

**Average Package**

# TRAINING AND PLACEMENT CELL



**The Training and Placement Cell at NIT Durgapur coordinates with companies to manage placements, internships, and communication between recruiters and students efficiently.**

## FACILITIES

- Auditorium equipped for pre-placement talks and company presentations
- Soundproof rooms for interviews and group discussions
- Computer centers & video conferencing with high-speed Wi-Fi for online tests and virtual sessions
- Guest house with local transport for recruiters within Durgapur

# MAJOR RECRUITERS



# PAST RECRUITERS



# DEPARTMENTS

## DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology, NIT Durgapur was established in 2005 with the B. Tech Biotechnology Program. The M.Tech program was subsequently introduced in 2009.

In the year 2020, the department introduced an MSc in Life Sciences program. The department consists of 17 faculties with diverse research backgrounds, engaged in teaching and research in applied biological sciences and biomedical engineering.

Faculty members are actively involved in projects, publishing high quality research articles, and patents, and have established collaborations with various national and international laboratories.



## DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering is one of the oldest Departments with UG course in this Institute and it was functioning from the inception of the Regional Engineering College (REC) Durgapur. The department of Civil Engineering offers B.Tech., M.Tech. and Ph.D. degree programs. The Department is also actively engaged in the interdisciplinary academic and research activity within and outside the Institute and also in R&D, testing and consultancy activities and offer testing and consultancy services to various government departments and organizations in both the public and private sectors.



## DEPARTMENT OF CHEMICAL ENGINEERING

Taking in 60+ students in the UG course, as well as 20+ in the PG course, the department has come miles from its humble beginning in 1964. It strives to increase its efficiency and proficiency with each coming year and batch of bright world changers. The numerous laboratories and advanced technology promote a very high standard of education. The job prospects are endless, with a number of engineers working in the fields of Energy engineering, Nuclear engineering, Petroleum, Product/process development, Analytical chemistry, Energy managing, Manufacturing, Mining, Production managing, Quality managing, etc.



## DEPARTMENT OF CHEMISTRY

Since inception of the institute (1960), the Department is sincerely engaged in teaching the students of different engineering courses in both UG and PG levels. The Department began its supreme journey with M. Tech. Program in Corrosion Science & Technology in 1987. Later on, M.Sc. in Chemistry has been introduced (2009). From 2017, the Department has started 5 years integrated M. Sc. course in Chemistry. The department is gifted with a galaxy of enthusiastic and dedicated faculty members.



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department started imparting instructions with the most modern curricula and syllabus to the students for undergraduate course since 1991 and post graduate course since July, 2004. The Department maintains an excellent teaching/learning and research environment with dedicated, qualified and dynamic faculties and well equipped laboratories. The Department of Computer Science and Engineering (CSE) embodies the university's tradition of excellence in engineering education. CSE Graduates capture leading academic appointments as well as opportunities in renowned computer industries.



## DEPARTMENT OF ELECTRICAL ENGINEERING

The Electrical Engineering department was established in the year of 1960. Presently the department offer B. Tech in Electrical Engineering, with intake capacity of 100 students, M. Tech in Power Systems and Power Electronics & Machine Drives, each have intake 20 students, and PhD program. The department is equipped with around 15 different laboratories, and among these 8 laboratories has modern state of the art facilities for research and consultancy work. The department also has strong regional and foreign collaboration.



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The embryonic formation of the Department of Electronics and Communication Engineering was in the year 1983 with the introduction of an undergraduate course. Apart from the four years B. Tech course the Department also offers two full time M.Tech courses, one in Telecommunication Engineering and another in Microelectronics and VLSI. The Department also offers PhD in several areas. The faculties are engaged in research in diverse topics focussing in Telecommunication, Antenna and Microwave, Microelectronics and VLSI, Signal and Image processing and Computational Systems Biology.



## DEPARTMENT OF EARTH AND ENVIRONMENTAL STUDIES

The Department is the coordinating department for multidisciplinary M.Tech. Programme in "Environmental Science and Technology" from the academic session 2009-2010, presently involving four departments of the Institute. The Departmental laboratories are well equipped to serve the needs of the students. The Department offers facilities for research activities to faculties and research scholars of the Institute. Present fields of research include various problems related to environment, application of RS & GIS in resource management, etc. Presently, ten research scholars are carrying out their research in the department.



## DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

Since inception of the Institute the Department has been catering its service to all the student of UG and PG courses. Besides teaching, the faculty member are actively engaged in research activities in the fields of Industrial Economics, Financial Management, Marketing Management, Operation Research, International Trade, Industrial Marketing, Risk Management and Capital Management. Its mission is to achieve excellence in imparting communication skill and to emerge as a center of excellence in language studies.



## DEPARTMENT OF MANAGEMENT STUDIES

The Department of Management Studies (DMS) is an endeavour that has arisen out of the hard felt need to groom future managers within the NIT system. Currently the department is running two programmes i.e. MBA and M.Tech (Entrepreneurship & Innovations). The department is steadily emerging as a leader in providing management education at the undergraduate and postgraduate levels. The curriculum is a product of philosophy that seeks to amalgamate the best of theory and practice. The pedagogy of DMS is blend of simulation exercise such as case discussions, live projects and presentation along with the conventional classroom teaching.



## DEPARTMENT OF MATHEMATICS

The Department of Mathematics started functioning in the year 1960, when the Institute was established as R.E. College Durgapur. Mathematics, being the backbone of all engineering disciplines, has been shaping young engineers of the country since the inception of the Institute. Presently, there are approximately 60 full-time and part-time scholars. The Department has produced 20 Ph.D. graduates during the last 10 years. It envisions contributing to the nation through quality education and research in mathematics.



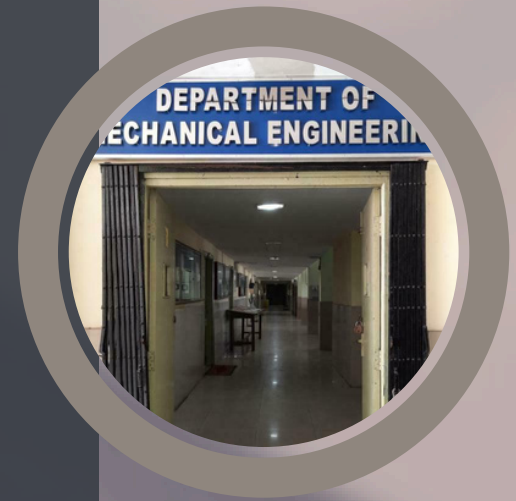
## DEPARTMENT OF MATHEMATICS AND COMPUTING

The Department of Mathematics and Computing was established in 2025 under the Department of Computer Science and Engineering. It offers a four-year B.Tech program that blends mathematical theory with computational techniques. The curriculum covers areas like Algorithms, Machine Learning, Probability, and Scientific Computing. Faculty members pursue research in Theoretical Computer Science, Applied Mathematics, and Data Science. The program aims to equip students with analytical and problem-solving skills for both industry and research.



## DEPARTMENT OF MECHANICAL ENGINEERING

One of the largest and oldest departments in the college, it also has the added privilege of being one of the oldest and most fundamental engineering courses in the world. Established in 1960, the Department has performed wonders in growing to accommodate 150+ students in the undergraduate course as well as 20+ students for each PG course. They ensure that each engineer emerges as globally competitive and innovative. This is helped by the presence of phenomenal laboratories in Heat Power, Machine Design and Robotics.



## DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

The Department, which started its journey in the year 1960, presently offers B.Tech. (Metallurgical and Material Engineering), M.Tech. (Metallurgy and Materials Technology) and Ph.D. Programme. The teaching at B.Tech level focuses on the fundamental knowledge base development in various areas of Metallurgical and Materials Engineering, such as, Extractive Metallurgy, Physical Metallurgy, Mechanical Metallurgy and Corrosion Science and Engineering. M.Tech level teaching emphasizes on advanced knowledge input in new material development and latest techno-scientific progress in Metallurgical Industry.



## DEPARTMENT OF PHYSICS

This is one of the oldest departments of the institute which has been providing the basic knowledge of physics to innumerable budding engineers who have studied in this institute. Physics means "knowledge of nature", which essentially is a natural science that involves the study of natural laws and its consequences in both microscopic and macroscopic domain. The interest of the department of physics spreads over many interdisciplinary areas of science and the boundaries are not rigidly defined. The department encourages and appreciates new ideas in physics that have relevance to technologies useful for the mankind.



# INFRASTRUCTURE

## AUDITORIUM

Auditorium and lecture halls fully equipped with latest multimedia and Wi-Fi for pre-placement talks (PPTs), workshops etc. Facility of tele-conferencing, video-conferencing and online interviews. Seminar and conference rooms for group discussions and personal interviews.



## LIBRARY

The library has a collection of 1.7 lakh volumes of books which includes Text Books, Reference Books and Bound volumes of Journals, Standards etc. The library is an institutional member of DELNET, American Centre Library, Kolkata, NPTEL, and Current Science Association, Bangalore. It is also a beneficiary Member of eSodh Sindhu (eSS) initially known as INDEST-AICTE Consortium.



## DEPARTMENT BUILDINGS

The department buildings are consisting of well-equipped laboratories, air-conditioned lecture halls with the latest multimedia facilities, and dedicated research spaces to support advanced academic activities. These modern infrastructures aim to create a conducive environment for both teaching and hands-on learning experiences.



## LABORATORIES

The Institute enhances technical and communication skills with well equipped laboratories such as Physics Lab, Chemistry Lab, Basic Electrical Engg. Lab, Basic Analog and Digital Electronics Laboratory, Computation Lab, Process Control Lab, Language Lab, and Tinkering Lab.



## COMPUTER CENTRE

The Computer Science and Engineering Department facilitates with VLSI, Microprocessor & Computer Organization, Computer Graphics & vision , Internet ,Programming and Database laboratories comprising of the equipments Pentium-3 Server Acer Model AA350, IBM RISC RS-6000 Model 240 (AIX 4.3), IBM X-series 205 E-Servers, H.P. Net Server E200 P-3, Simulation Tools(Xilinx), FPGA Trainer Kit and CPLD Trainer Kit.



## STUDENTS ACTIVITY CENTRE

The Student Activity Center (SAC) is treated as one of the Central Facilities of the Institute with a mission to train the students in physical activities. Excellent facilities are available for major sports, Yoga, Martial Art, NCC and NSS. It also includes well equipped multi gymnasiums for boys and girls with separate timings.

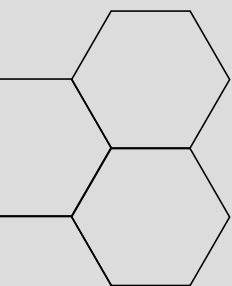


## GUEST HOUSE

The Institute Guest House standing beside the Director's Bungalow serves to render hospitality to the Official and Non-official guests of the Institute. It is a unique double storied building with modern living facilities overlooking a beautiful garden and tall sal trees all around. The guests of faculty members and students are also accommodated there with advanced booking as per availability.



# EQUIPMENTS



# Beyond the Classroom

## Student Clubs

At NIT Durgapur, our student clubs stand as a testament to the belief that true learning goes beyond lectures and laboratories. Like a finely tuned engine, each club brings its own spark, whether in technology, culture, leadership, or service. Together, they reflect a campus spirit where curiosity thrives, talent flourishes, and excellence becomes second nature.



### GNU LINUX USERS GROUP

FOSS community established 2003. Designers, contributors, and developers promoting Open Source through collaborative learning and knowledge sharing.



### REcursion

Coding community established 2014. Regular classes, competitions, and programming sessions preparing students for placements and ACM ICPC competitions.



### Centre For Cognitive Activities

Technical gymkhana bridging knowledge and application. Central hub for all technical and scientific student projects and innovation activities.



### SAE INDIA

SAE Collegiate Club - NIT Durgapur's premier automotive engineering club. Organizes technical competitions (F.I.S.T., Drag & Drift), industry workshops, webinars, and knowledge-sharing events since establishment.

# Student Clubs



## IEEE STUDENT BRANCH

IEEE Student Branch at NIT Durgapur promotes research and innovation, affiliated with IEEE internationally, engaging in publications and technical projects.



## MATHS N TECH CLUB

Maths N Tech Club (MNTC) at NIT Durgapur promotes Mathematics and Technology through events, workshops, and publications like Anveshan.



## SPICMACAY

"SPIC MACAY NIT Durgapur Chapter, the largest cultural club at NIT Durgapur, aims to enrich education by promoting awareness and appreciation of Indian heritage and art forms among young minds."



## DANCE CLUB

"The Dance Club at NIT Durgapur performs at college events and inter-college fests, winning medals and embracing all dance forms to promote diversity."



## ENTERACT

"Enteract, the official Dramatics Club of NIT Durgapur, is a hub for theatre and street play enthusiasts, excelling in performances, cinematography, and filmmaking."



## STROKES

"Strokes, the official art and photography club of NIT Durgapur, fosters creativity through events like KALAKRITI and workshops, patronizing student talent since 2015."



## PRAKRITHI CLUB

"We, the People of Prakriti, the Environmental Club of NIT Durgapur, aim to foster awareness and sustainable action among future engineers for a greener planet."



## MUSIC CLUB

Official Music Club of NIT Durgapur, sharing our passion for diverse music genres through live performances and online platforms

# Student Clubs



## LITERARY CIRCLE

Literary Circle, NIT Durgapur's official literary club, fosters creative expression. Hosts Verve, eastern India's largest literary festival, and events like NITMUN and OpenMic



## Entrepreneurship Development Cell

Entrepreneurship Development Cell, NIT Durgapur is an initiative to promote entrepreneurship in the campus.



## DEBATING SOCIETY

"The Debating Society at NIT Durgapur promotes public speaking and critical thinking through debates, workshops, and innovative events, utilizing technology to build confidence and national representation."



## Students' Alumni Interaction cell

SAI cell links NIT Durgapur students with alumni. Officially supported, fostering interactions through events and initiatives.



## QUIZINC

QuizInc, the official knowledge club, explores diverse topics from trivia to tech advancements, sharing insights with students.



## ISTE STUDENT'S CHAPTER

ISTE, a non-profit society, enhances India's technical education, focusing on teacher career growth and student development, in collaboration with AICTE



## Darpan

Darpan, NIT Durgapur's Hindi society, promotes Hindi through diverse events, fostering talent and prioritizing the growth of Rajbhasha Hindi.



## RADIO NIT'ROZ

Radio NITroz: Masti Ka Dozz, NIT Durgapur's official radio club, unites enthusiasts for fun learning and engaging podcasts.

# Student Bodies



## CHESS

Chemical Engineering Students Society, NIT Durgapur is an independent student-run society of the Chemical Engineering Department of NIT Durgapur



## ECESS

The Electronics & Communication Engineering Students' Society (ECESS) is a non-profit society led by the students of the Department of Electronics & Communication Engineering.



## CSS

CSE Students' Society aims to build a strong feeling of community among CSE students, hold engaging events, and serve as a link between students and alumni.



## AMPERE

Ampere drives electrical engineering excellence through workshops, quizzes, and industry connections, uniting students, alumni, and professionals.



## IIM

Indian Institute of Metals Students' Chapter NIT Durgapur is a student affiliated chapter of the the largest professional body of Metallurgical and Materials Engineering (IIM).



## MESA

Mechanical Engineering Students' Association (MESA) is a student body representing all students from the Department of Mechanical Engineering NIT Durgapur.



## NITDCES

NIT Durgapur Civil Engineering Society connects students and alumni, organizing workshops, projects, and activities for skill-building and collaboration.



## EVOLVERE

Evolvere is the official club of the Department of Biotechnology of NIT Durgapur.

# COLLEGE FESTS

01

## AAROHAN

Aarohan, NIT Durgapur's annual Techno-Management fest since 2003, is eastern India's second-largest, promoting science, technology, and innovation.



02

## RECSTACY

Recstacy, previously known as NitYamini, is the annual cultural festival of NIT Durgapur organized by Students' Gymkhana, NIT Durgapur



03

## WAVECRAZE

WaveCraze, by Radio NITroz, is a premier cultural fest, celebrated for its vibrant energy and diverse entertainment.



04

## VISTAAR

Vistaar, by the Debating Society, is an annual fest showcasing top regional debaters, driven by a passion for the craft.



# COLLEGE FESTS

05

## VERVE

Verve, NIT Durgapur's annual cultural fest by the Literary Circle, is Eastern India's largest, engaging thousands in diverse activities over three days.



06

## ESUMMIT

EDC's annual E-Summit, the second largest in Eastern India, fosters entrepreneurship and innovation.



07

## QUIZZITCH CUP

Quizzitch Cup is an annual four-day-long fiesta of quizzing, knowledge and fun, organized by QuizInc, the official Knowledge club of NIT Durgapur.



08

## VIRAASAT

Virasat, by SPIC MACAY NIT Durgapur, showcases Indian cultural maestros, captivating audiences with their exceptional talents.



# Notable Alumni



**MR. SUBIR KUMAR  
SAHA**

Professor, Department  
of Mechanical  
Engineering , IIT DELHI



**MR. SUBIR  
CHOWDHARY**

CEO, JCB india ltd.



**MR. JYOTI PRASAD  
BHATTACHARYA**

Founder and MD, Deem-  
Roll Tech. Ltd.  
(Entrepreneur)



**PROF. KAMANIO  
CHATTOPADHYAY**

SS.Bhaatnagar Awadee  
Honorary Professor, Indian  
institute of science,  
Bangalore



**PROF. K.K. SANKARAN**

Adjunct Professor,  
University of North Texas,  
USA



**PROF. TARASHANKAR  
DEB ROY**

Professor, Pennstate  
University, USA

# Notable Alumni



**DR. MOU SEN**

Joint Director,  
Directorate of MSME,  
Government of West  
Bengal



**PROF. SAMRAT  
CHOUDHARY**

Asistant Professor,  
University of Idaho,  
USA



**MR. B. SUMANT**

Additional Whole Time  
Director and President,  
FMCG Businesses, ITC  
Limited



**PROF. BIKRAMJIT BASU**

S.S. Bhatnagar Awardee  
Professor, IISC Bangalore



**PROF. ALOKE PAUL**

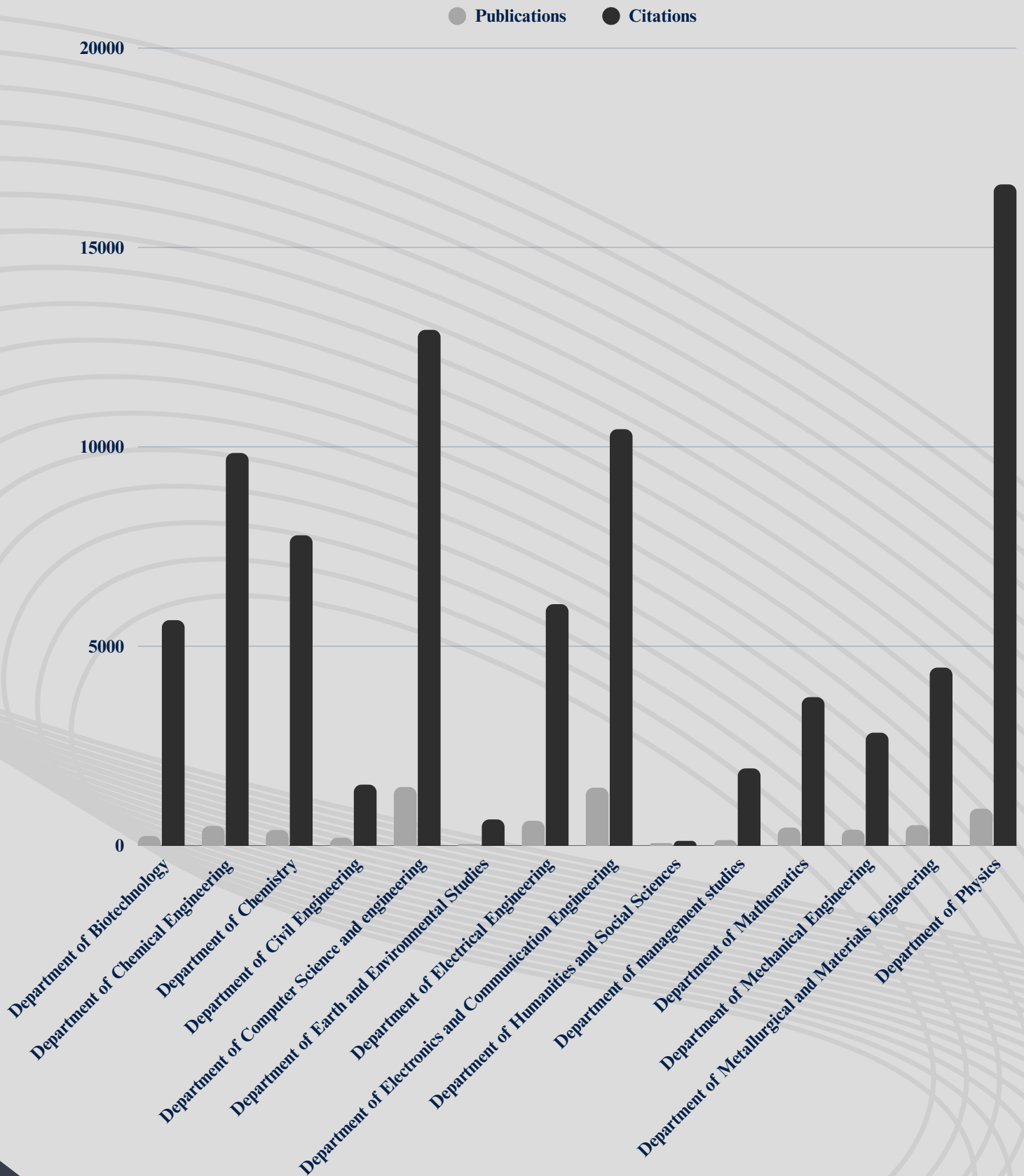
S.S. Bhatnagar Awardee  
Professor, IISC, Bangalore



**MR. SUBRATA DUTTA**

Vice President (Marketing),  
SBU-Head, Everest Industries,  
New Delhi

# ACHIEVEMENTS



# ACHIEVEMENTS

3X Contributors



Google

Summer of Code



icpc.foundation

2+ ICPC Regional teams



CODEFORCES

50+ Experts

Ranks 44th



3X Consecutive SIH Winners

LeetCode  
40+ Knights

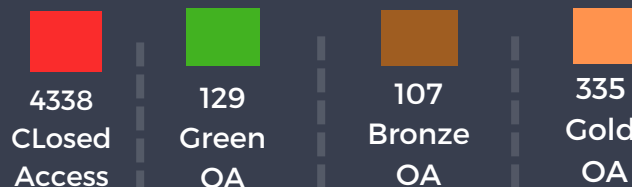
Average  
12+ CTC



50+ 4★ Rating

Publication-  
7037+  
Journals-  
4378+

## Scholarly Resources



Patents

2+

Conferences/In  
Proceedings  
2250



Citation  
60396

# ACHIEVEMENTS

## GATE Rankers

### 500+ APPLICANTS EACH YEAR

#### Remarkable Mentions:

- Nitesh Rai - 1st (MME 2017)
- Krutika Talegaonkar - 8th (BT 2018)
- Manoj Baishya - 4th (BT 2019)
- Ankit Kumar - 7th (ECE 2019)
- Mukti Ranjan Mahapatra - 8th (MME 2019)

## Sports and Activities

- Table Tennis (Women) Champion
- National Level Sports Fest (Sangram '17) Track & Field (Women) - 02 Gold & 01 Silver Medals
- Inter NIT Meet 2018 Body Building & Power Lifting (Men) - Best Physique
- Inter NIT Meet 2018 Ms. Trishaa Bhattacharya secured the best Women Athlete position in the All India Athletics Championship at NIT Warangal
- Champions of All India Inter-NIT Football Competition-2023

# RESEARCH AND DEVELOPMENT

## UTKARSH BHAWAN (HEFA)

- **G+10 Storied Central Research & Academic Laboratory Building**
- **Central Research Facility (CRF)**
  - Physical Characterization Facility
  - Chemical Characterization Facility
  - Mechanical Characterization Facility
  - High Performance Computing and Storage
  - Electrical and Electronics fabrication and characterization facility
- **Central Laboratories**
  - Physics Laboratory
  - Chemistry Laboratory
  - Basic Electrical Engineering Laboratory
  - Basic, Analog and Digital Electronics Laboratory
  - Computation Laboratory
  - Process Control Laboratory Language Laboratory



## BRICS



NIT Durgapur recently stepped into the BRICS Research forum. BRICS composed of Brazil, Russia, India, China, and South Africa are important players in science and technology competition in the world arena, and they would facilitate their domestic STI development with the multilateral platform. The MOU on STI Cooperation adopted in 2015 is guiding overall cooperation covering sustainable agriculture, food security, natural disasters, water resources, and pollution treatment, new and renewable energy, space research, medicine and life sciences, new nanomaterials, photonics, IT, ocean and polar sciences, etc.

# RECENT PROJECTS

## **Title: Universal multi-modal interface for different disabilities:**

Principal Investigator: Dr. Nilanjan Chattaraj  
Co-Principal Investigator: Dr. Sujoy Saha (Co- PI),  
Dr. Mousumi Saha  
Sponsored Agency: Tata Consultancy Services  
Month & Year of sanction: September 2021  
Sanctioned fund: Rs. 29,00,000

## **Title: Introducing protein folding paradigm in misfolding diseases:**

An attempt to redefine the structural understanding of amyloid aggregation following nucleated conformational conversion pathway  
Principal Investigator: Dr. Sudipta Mondal  
Co-Principal Investigator: NIL  
Sponsored Agency: SERB Month & Year of sanction: November 2021  
Sanctioned fund: Rs. 46,00,000

## **Title: Studies on the effect of anammox group of bacteria for the treatment of wastewater containing nitrogenous contaminants**

Principal Investigator: Dr. Apurba Dey  
Co-Principal Investigator: Dr. Tamal Mandal, Dr. Dalia Dasgupta Mandal  
Sponsored Agency: SERB  
Month & Year of sanction: December 2021  
Sanctioned fund: Rs. 33,00,000

**900+**  
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# CoEs

## **Centre of Excellence in Advanced Materials**

It has been established as a joint venture between the departments of Physics & Metallurgical & Materials Engineering, in 2013 through a generous grant of the MoE, Govt. Of India under its Technical education quality improvement (TEQIP-II) program

## **Centre for Advanced Research on Energy**

This center aims to develop technologies for taking proactive role in transforming sustainable economic growth of the eastern region of India

## **Centre for Biomedical Engineering & Assistive Technology (BEAT)**

The Centre is focused on specific research to solve complex biomedical problems that are crucial to human welfare and society, in general. It invites multidisciplinary perspective that includes engineering sciences, physical sciences mathematical, and biological sciences.

## **Centre of Excellence on IoT and Intelligent Systems (IoTIS)**

It focuses on advanced interdisciplinary research activities in the area of Internet of Things and assistive technologies related to Intelligent Systems to cater to the needs of the society. Another goal is to meet the challenges of the nation by encouraging research and entrepreneurship in interdisciplinary areas, encompassing engineering, sciences, and social sciences.

## **Centre for Research on Environment and Water (CREW)**

A centre with a multidisciplinary approach towards advanced research on environment and water. It aims to develop the expertise to assist industry and civic administrations in developing and implementing evaluation, remediation or management strategies for contamination issues and develop technologies to convert wastes to value-added products wherever feasible



# MAJOR SPONSORS



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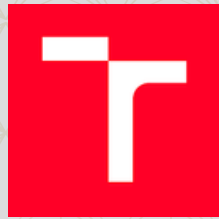


# COLLABORATIONS

## INTERNATIONAL COLLABORATORS



**UNIVERSITÀ  
DI PARMA**  
Universita Degli  
Studi Di Parma,  
Via Università 12,  
43124 Parma,  
Italy



**Brno University  
of Technology,**  
Czech Republic



**Caledonian College  
of Engineering (CCE)**  
Muscat, Oman



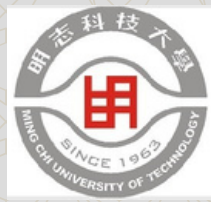
**Far Eastern Federal  
University (FEFU),**  
Russia



**Federal University  
of Rio De Janeiro,**  
Brazil



**Hanyang University,**  
Seoul, Republic of  
Korea



**Ming Chi University  
of Technology,**  
New Taipei City,  
Taiwan



**Tianjin Polytechnic  
University,**  
China



**Hohai University,**  
China



**The University of  
Nottingham,**  
United Kingdom



**The University of  
Liverpool,**  
United Kingdom



**TOMSK  
Polytechnic  
University,**  
Russia



**University of  
Kentucky, Lexington,**  
KY 40508, USA



**Vetha Centre for  
Transdisciplinary  
Studies, Newark, New  
Jersey, USA**



**South Dakota School of  
Mines & Technology,  
Rapid City, South Dakota  
57701, USA**

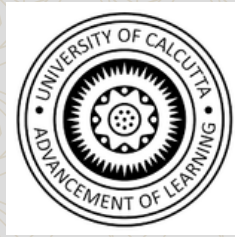


**Università Della  
Calabria, Italy**

# NATIONAL COLLABORATORS



**Indian Institute of Technology, Delhi**



**Department of Computer Science & Engineering, University of Calcutta**



**Department of Computer Science & Engineering, IIST Shibpur**



**Acharya Nagarjuna University, Guntur (A.P)**



**Jawaharlal Nehru University, New Delhi**



**National Institute of Technology, Hazratbal, Kashmir**



**Institute of Genomics & Integrative Biology**



**CSIR-CMERI, Durgapur**



**Tata Consultancy Services Ltd.**



**MoU between NITD & NHPC Limited, Faridabad, Haryana**



**Durgapur Steel Plant, Durgapur**



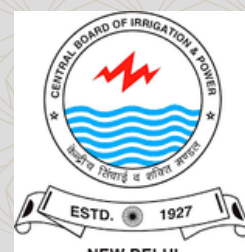
**TCG Centres for Research and Education in Science and Technology**



**Aaranya Biosciences Private Limited, Nacharam, Hyderabad**



**Semi-Conductor Laboratory, Dept. of Space, GOI, SAS Nagar, Punjab**



**Central Board of Irrigation and Power, Delhi**

# REACH US?

## AIRWAYS

Located 14km away is the Kazi Nazrul Airport whose flights connect major cities like Delhi, Bengaluru, Hyderabad, Mumbai, Chennai. The nearest International airport is the Netaji Subash Chandra Bose International Airport, Kolkata



## RAILWAYS

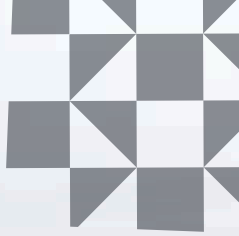
Located 9 km away is one of the cleanest railway stations in India, the Durgapur railway station. It is well connected to all the major cities such as Delhi, Howrah, Mumbai. There are express and super-fast trains, including the Rajdhani Express, that halt here.



## ROADWAYS

The road connectivity is well developed. The inter and intra-bus services in the city are regular and efficient. NH2 and SH9 pass through the city. Kolkata is just about 3 hours away by road.





# Contact Us



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Durgapur – 713209, West Bengal, India.

