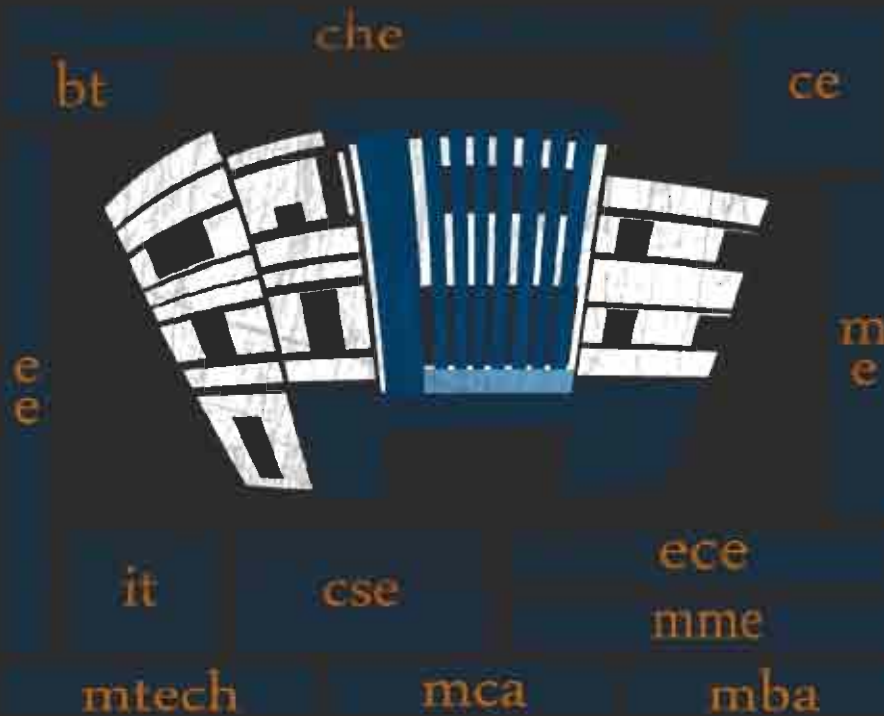


national institute of technology durgapur

nitd



vision

The National Institute of Technology nurture futuristic technical education and instills high degree of Dedication, Dedication, through excellence and set global standard by producing technology enriched students with a vision of making the nation globally competitive



Our mission is focused to educate the students coming from all across the country and overseas, with diverse cultural background to make them Enlightened, Enriched and Efficient, so that they could cater to the need of the nation, society and human race. Our mission is set to provide parental attention, state-of-the-art educational technology and caring for character building & blossoming our heritage

mission

contact us

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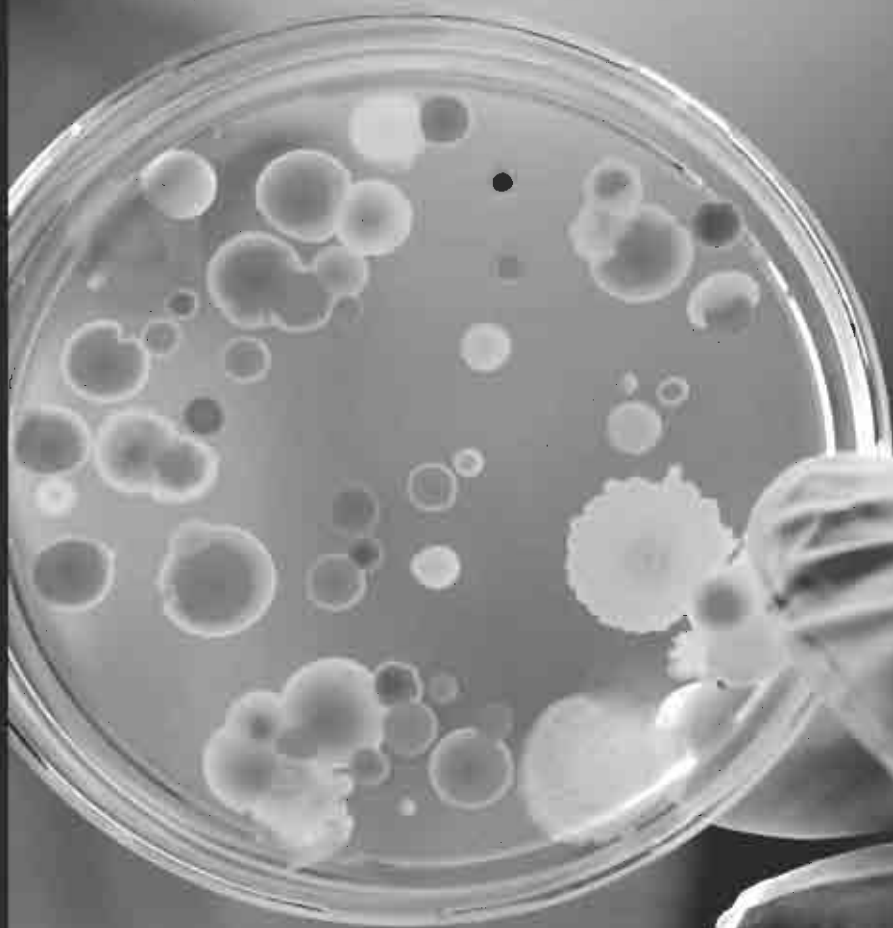
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biotechnology

B. Tech course in Biotechnology has started from 2005 with intake of 60 students. The department strives to emerge as a leader in providing excellent education in Biotechnology and to develop cutting-edge technology through research, training and technical innovation. Since commencement, the department has performed consistently well in both academic and extra curricula. The department is growing consistently since inception and has started the M.Tech program in Biotechnology from 2009-10 session. Six students are working in the department in the Ph.D program. The department has been training students from across the nation through summer internship. The department conducts faculty development programs for faculty members of engineering colleges all over India. The department also participates in community Development Program for betterment of rural India.

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civil engineering

The Department of Civil Engineering is one of the oldest functioning departments with UG courses since inception. The Department started imparting instructions leading to M.Tech degree 1965 with its highly qualified faculties as well as equipped state-of-the-art UG laboratories and one PG laboratory. The Departmental labs are equipped with State-of-the art Equipment and machinery. Recently, it has become a DST-FIST sponsored department. The Department is also engaged in regular testing and consultancy activities in various fields of Civil Engineering.

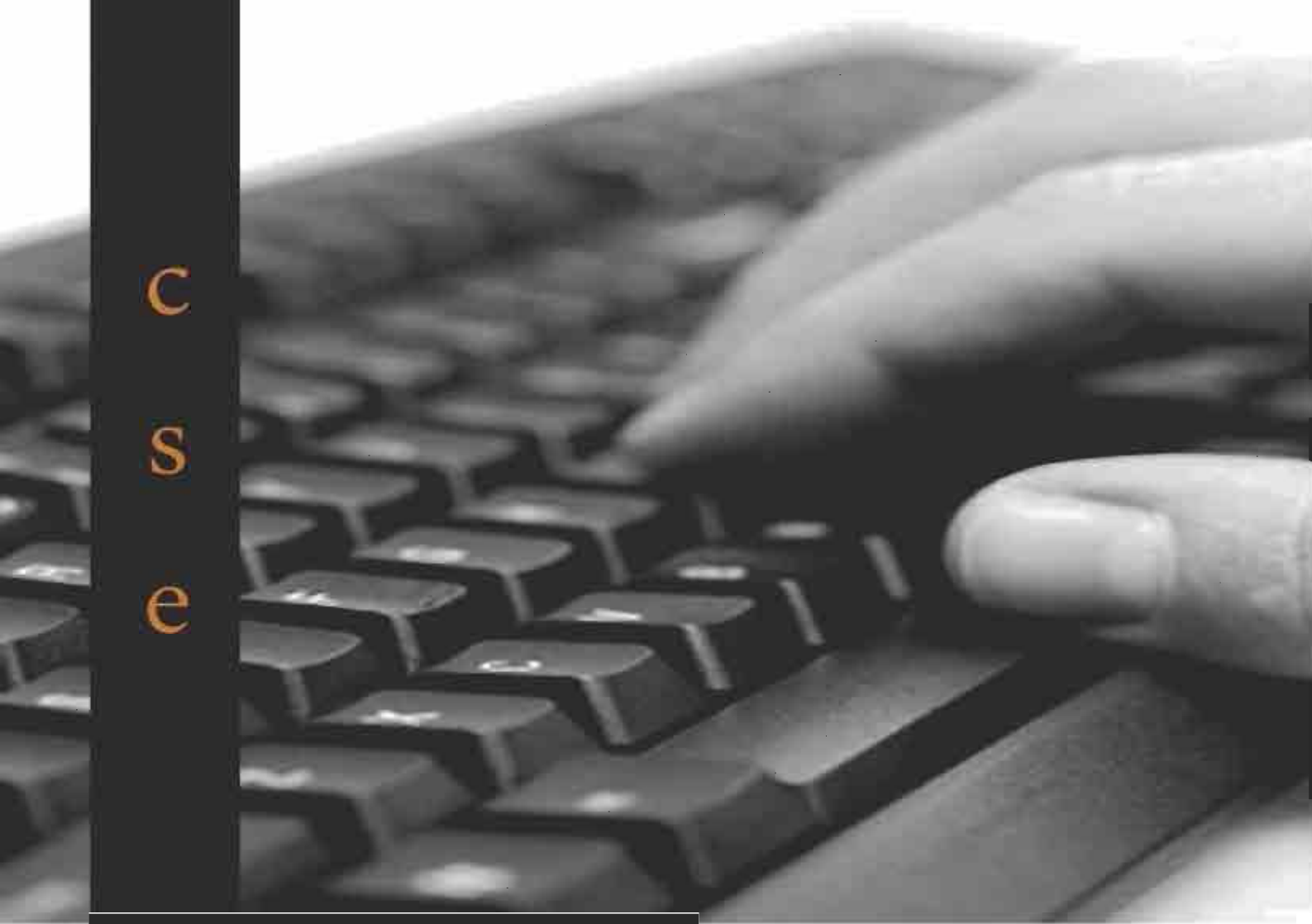
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chemical engineering

The department offers B.Tech degree in Chemical Engineering to 52 students, M.Tech degree in chemical Engineering to 24 students and also doctoral research program. The curriculum and syllabi are regularly updated. Highly qualified faculty is engaged in research in the areas of process modeling and simulation, environmental engineering, multi-phase flow, membrane technology, combustion and pyrolysis and biochemical reaction engineering. In 2008-09, 20 papers were published/accepted for publication in national journals and 13 papers were reviewed by the faculty member of the department.

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computer science & engineering

The Department started edification with the most modern curricula and syllabus to the students of 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 is in a period of exciting growth and opportunity. CSE Graduates capture leading academic appointments as well as opportunities in renowned computer industries. The department offers state of art infrastructure including highly sophisticated VLSI laboratory, Embedded Systems laboratory, soft computing and Networking laboratories, highly equipped Seminar hall and Auditoriums. Robotics, mobile communication, natural language processing, VLSI and image processing are the broad areas into which the researchers have made a curriculum

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electronics and communication engineering

The Electronics and Communication Engineering course was initiated in 1983. The annual intake of the department is 70 for B.Tech course. It also offers M.Tech. in Telecommunication Engineering & Microelectronics and VLSI. Electronics and communication department is one of the well established departments of the college. Electronics and communication is a very rapidly growing and researching field. The curriculum tries to keep the students at par with the latest trends of the world. This is backed up by the state of art laboratories that gives practical training to the students in all fields. Well experienced faculty trains the students so that they stand tall in the competitive world.

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electrical engineering

The Department started undergraduate courses in Electrical Engineering in 1960 and M.Tech courses in Electrical Systems in 1965. Since inception, the department in consistently contributing novel and innovative ideas in Electrical Engineering education to keep pace with the latest technological developments. The Department regularly organizes invited lectures by experts from industries and academics of higher repute in various fields of Electrical Engineering

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information technology

The Department of Information Technology was started in 2000 and has very rapidly evolved to provide an excellent learning atmosphere for its enterprising students. The department is equipped with state-of-the-art laboratories with a large and varied repertoire of the latest software ranging from full-fledged FPGA implementation and development, MATLAB to complete enterprise level suites such as J2EE and Microsoft.net platform for application level developers. Under the able guidance of the young, dedicated and resourceful faculty members the students prosper in fields of research and innovation. The students are also prominently seen stamping their authority in the various national level technical symposiums and fests. The department implements pioneering academic processes which not only lay emphasis on academic performance of a student but also encourages them to explore and develop their true potential be it in the field of research or extra-curricular activities. The department adapts itself perfectly to the needs of the industry without compromising on its research acumen

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mechanical engineering

Department of Mechanical Engineering at National Institute of Technology, Durgapur is the largest and one of the oldest departments of the Institute started in the year 1960, with an intake of over 90 students every year for the UG courses. The department comprises of highly qualified and experienced faculty, supporting staff and well equipped laboratories. The continuous development of faculty and up gradation of the laboratories make the department at par with the current day academic and research requirements of global standard. The department has an excellent interaction with industries in which students are often sent to carry out Vocational Trainings and Internships in order to have a better understanding of factory operations and at the same time obtain a valuable exposure to the latest technologies incorporated in industries. The department is also involved in consultancies with various institutes and industries.

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metallurgical and materials engineering

Metallurgical and Materials Engineering Department started functioning with undergraduate program in the year 1960 and with the post graduate program in 1966. Recently the Department has been bestowed with a Steel Chair Professor from Ministry of Steel, Government of India and five selected students from the department get the scholarship from the first year itself from Ministry of Steel to pursue research work on ferrous metallurgy. Department of Science and Technology, SERC Division; Government of India, has sanctioned Rs. 117 lakhs for strengthening the research and post graduate teaching facility of the department. Naval Research Board, Ministry of Defense, Government of India has sanctioned Rs. 18.86 lakhs for carrying out the project entitled "Studies of Mechanical Properties and Corrosion Behaviour of Rapid Transformation Annealing (RTA) treated HSLA Steel. "

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management studies

Department of Management Studies came into existence in the year of 2004 within the National Institute of Technology umbrella, and aims to impart quality management and technical education. It aims in developing analytical skills, functional skills, operational skills, leadership qualities as well as ethical and moral values within the students. The department boasts of a faculty from diverse backgrounds and it takes in students with regional diversity and varied educational qualifications.

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master of computer applications

The department has been offering one of the promising courses of the country, Master of Computer Application (MCA), since 2000, with an annual intake of 60 students chosen wholly through the All India Entrance Test (NIMCET) conducted by NITs for admission to their MCA course. Within this very short time, the department has created an excellent learning environment with dedicated and experienced faculty members, technical staff, elegant laboratories and innovative academic processes.

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internships

It is quite remarkable that this year National Institute of Technology, Durgapur has seen its budding engineers fare extremely well not only in Indian Universities but in Foreign Institutions as well. It is a matter of great pride for us NITians to proclaim that from our University the number of students going abroad for internships, projects and presentation of research papers rose by over seventy one percent from last year. Some of the internationally reputed institutes to name a few are CERN Geneva, Massachusetts Institute of Technology at Cambridge Massachusetts, University of Michigan at Dearborn, Max Planck Research Institute in Germany, Swiss Federal Institute of Technology at Zurich, National University of Singapore, Nanyang Technological University in Singapore, CAU Kiel University in Germany, T U Darmstadt in Germany, UTHM in Malaysia, University of Rome at Tor Vergata, University of Taiwan at Taipei and other institutes in Finland, Germany, Spain, Turkey, USA. Many others did their internships in the leading technological institutes of India like the IISc Bangalore, ISI Kolkata, BARC, CMERI, TIFR, DRDO, JNCASR, ISM, Texas Instruments, Ericsson, IITs and various other reputed corporate companies. The Institute has signed MOUs with National University of Singapore and CERN Geneva to improve the research programs in the campus.

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student activities

Students of the institute organize and participate in different types of techno-scientific, managerial and cultural activities round the year through a number of student's bodies/clubs, such as Students Gymkhana, Centre for Cognitive Activities (CCA), GNU/Linux User Group, Literary Circle, Prakriti, Enter-Act Club, Chayanika, Music Club, Quiz Inc, Math "N" Tech Club, IEEE, ISTE, Society of Automotive Engineers etc.



clubs





central instrumentation facility

The Institute has set up one Central Instrumentation Facility Centre under TEQIP Project to cater the growing needs of the aspiring research workers for the development of the research activities. This will also act as hub for consultancy work for other adjoining institutes / universities in the Durgapur region and other regions of the country.

library

The library as one of the important central facilities of the Institute supports the study, teaching, research and development programmes of the Institute. it is housed in a separate building having three floors on a plinth area of 100 square metres. The library has a collection of 1.2 lac volumes which include text books, reference books and bound volumes of journals. The library subscribes to about 180 journals. Library operations have been automated with the help of an integrated library software package, LIBSYS-4.





high voltage laboratory

At present very few colleges have high voltage and High Power Laboratory facilities due to the involvement of huge costs and availability of specialized faculty members as well as skilled staffs in the field of High voltage and High Power Engineering. The High Voltage Laboratory is the 7th to be built in India and the first of its kind in the country that can be operated sitting anywhere in the world.

workshop

Engineering education in the field of applied science enables one for optimum utilization of natural resources, which are abundant in our country. The Department of Workshop is imparting training to B.Tech students of different engineering disciplines, guiding them in completion of their project works and also training them.



campus life





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