



Shobhit

Institute of Engineering & Technology

Deemed to-be-University

EDUCATION EMPOWERS

FACULTY OF ENGINEERING & TECHNOLOGY

B.Tech.

4YEARS



Computer Science & Engineering

Biomedical Engineering

Biotechnology

Agricultural Technology

FACULTY OF ENGINEERING



Shobhit Institute of Engineering & Technology, Meerut, Delhi-NCR, (popularly known as Shobhit Deemed University), is a NAAC Accredited research-intensive, multi-disciplinary university that shares the values of high-quality teaching within an environment of internationally competitive research. The Institute was established in the year 2000 and was notified as a Deemed-to-be University by Ministry of Human Resource Development, Government of India in 2006 u/s 3 of UGC Act, 1956.

The University has Four Engineering Disciplines: Agriculture Technology and Informatics, Biomedical Engineering, Biotechnology, Computer Science & Engineering, and ; Two Science Disciplines: Physics and Chemistry; Humanities and Social Sciences; Mathematics. At present, Undergraduate (B.Tech.), Postgraduate (M.Tech.), and Doctoral (Ph.D.) programs are offered.

The Four specialized Centres of the University: Centre for Agricultural Informatics and e-Governance Research Studies (CAIRS), Centre for Industry 4.0 Technology Studies and Applications (CITSA), Centre for Informatics Development Solutions and Applications (CIDSA), and Centre for Agribusiness & Disaster Management Studies (CADMS); and MSME funded ASPIRE- Technology Business Incubator (TBI) offer interdisciplinary and multi-disciplinary research and business development opportunities to the students.

The Undergraduate (B.Tech.) and Postgraduate (M.Tech.) programs are approved by All India Council for Technical Education (AICTE) with an annual intake of 600 seats and 180 seats respectively. Students from different countries are also undergoing training in various programs.

The ideal engineer is a composite - He is not a scientist, he is not a mathematician, he is not a sociologist or a writer; but he may use the knowledge and techniques of any or all of these disciplines in solving engineering problems.

Nathan W. Dougherty

BACHELOR OF TECHNOLOGY (B.TECH.)

The University offers Bachelor of Technology (B.Tech.) programs in various disciplines since 2000. Our programs aim to train students to blaze new paths rather than follow those charted by others. Intellectual alertness, creativity, and talent for innovation go into the making of an engineering leader today and continue to be essential for professional competence tomorrow. The teaching methods rely on direct personal contact between the teachers and the students. The education we provide aims to prepare a student for a lifetime of continual learning and application of knowledge to real life situations.

All the departments have well equipped academic and research laboratories. In addition, there are a number of central facilities, which include Computer Centre, Central Library, Lecture theater blocks and Central Workshop.

The University has many academic collaborations with leading universities and research institutes in India and abroad.

The location of Shobhit Deemed University, Meerut, in close proximity to several leading R&D Centers and major industrial establishments of Delhi NCR, offers excellent opportunities for industry-oriented internships, research, and placements.

Top-notch Faculty: Distinguished regular and visiting faculty from academia and Industry.

Our Alumni: Our Engineering Graduates are known for their caliber and contribution. We have produced some of the finest engineers, managers, researchers and entrepreneurs. The alumni of Shobhit Deemed University have proved their talent in various fields including business, art and academics. Our alumni are successfully serving renowned national and multinational companies throughout the globe.

B.Tech. Programs offered

Specialization	Student Intake
COMPUTER SCIENCE & ENGINEERING	180
BIOTECHNOLOGY	60
BIOMEDICAL ENGINEERING	60
AGRICULTURAL TECHNOLOGY	60



B.Tech. Computer Science & Engineering 23rd Batch

WITH SPECIALIZATION AND MINOR DEGREE IN



Cyber Security



Cloud Computing



Machine Learning



Data Science & IoT



Artificial Intelligence



Software Engineering



Human-Computer Interaction



Enterprise Information System

CAREER OPPORTUNITIES AT SHOBHIT

The Department of Computer Science & Engineering at the University has come a long way in the past 22 years. We have made tremendous progress and have become one of the most vibrant and interdisciplinary departments within the University School of Engineering and Technology, and the computer science field at large.

- Computer Programmer
- Data Base Administrator
- Information Security Analyst
- Software Engineer
- Computer Hardware Engineer
- Computer & System Information Manager



B.Tech. Biomedical Engineering 16th Batch

WITH SPECIALIZATION AND MINOR DEGREE IN



Neural Engineering



Clinical Engineering



Biomaterials and Bio-nanotechnology



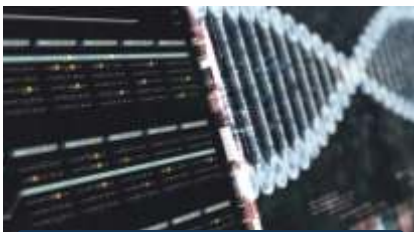
Biomedical Signal and Image Processing



Cellular, Tissue and Genetic Engineering



Biomedical Electronics and Instrumentation



Computational Biology and System Physiology



Biomechanics and Rehabilitation Engineering

CAREER OPPORTUNITIES AT SHOBHIT

The Department of Biomedical Engineering & Sciences at the University conducts innovative research, offers high-quality education, and has strong connections to the thriving medical device industry. Research at the Department of Biomedical Engineering & Sciences ranges from advancing basic science to developing real-world technologies that help people live better, healthier lives.

- Biomaterials
- Clinical Engineering
- Orthopedic Bio Engineering
- Cellular Tissue and Genetic Engineering
- Bio Mechanics
- Medical Imaging
- Rehabilitation Engineering



B.Tech. Biotechnology 16th Batch

WITH SPECIALIZATION AND MINOR DEGREE IN



Bioinformatics



Food Technology



Plant Biotechnology



Microbial Engineering



Medical Biotechnology



Biochemical Engineering



Pharmaceutical Technology



Stem Cell &
Tissue Engineering Technology

CAREER OPPORTUNITIES AT SHOBHIT

The Department of Biotechnology & Bioinformatics at the University offers students hands-on experience to dive deeper into the science and industry of biotech, expanding their knowledge to make breakthroughs alongside diverse faculty with a wide range of experience. In close collaboration with faculty mentors, students learn to apply the principles of biology, medicine and science, along with problem-solving skills and critical thinking to a broad spectrum of problems in biotechnology and medicine.

- Drug and Pharmaceutical Research
- Energy Waste Management
- Bio Processing Industries
- Environment Control
- Food processing



B.Tech. Agricultural Technology 16th Batch

WITH SPECIALIZATION AND MINOR DEGREE IN



Agri-Informatics



Agri-Economics



GIS & Remote Sensing



Agricultural Waste Management



Irrigation & Drainage Engineering



Soil & Water Conservation Engineering



Post-Harvest Process & Food Engineering



Agricultural Machinery Design & Engineering

CAREER OPPORTUNITIES AT SHOBHIT

The Department of Agriculture & Agri-informatics at the University delivers innovative, educational programs that develop career-ready graduates through intensive, practical learning and skill enhancement in agricultural, environmental, and applied technologies.

- Indian Forest Service
- Data Scientist
- Agri Informatics Research Scientist
- Sr. Position in Agri Business Firm
- Academic Institution



ELIGIBILITY AND ADMISSION PROCEDURE

B. Tech. 1st Year 4 Years / 8 Semesters

- General Eligibility for B.Tech. Program in all branches is 10+2 examination passes with minimum 50% marks from a board recognized or established by central/state government through a legislation with Physics and Mathematics as compulsory subjects along with one of the following subjects:- Biotechnology, Chemistry, Computer Science, Biology.
- In Biotechnology, Biomedical Engineering, Bioinformatics and Agricultural Technology branches, admission may also be granted to the candidates having passed 10+2 with Physics and Chemistry as compulsory subjects along with one of the following subjects:- Mathematics, Biotechnology, Computer Science, Biology, Agriculture.

B. Tech. 2nd Year (Lateral Entry) 3 Years / 6 Semesters

- All those candidates who have passed Diploma examination from an AICTE approved institution and have obtained at least 45% marks in appropriate branch of Engineering / Technology shall be eligible to apply.
- All those candidates who have passed B.Sc. Degree from a recognized University as defined by UGC, with at least 50% marks and passed XII standard with mathematics as a subject shall be eligible to apply.

Admission Procedure:

- Start the application process Online. Complete an Online Form and pay the application fee.
- Once we receive the application, our admission team will contact you to apprise you about the remaining procedure and available scholarships etc.
- Admissions for the year 2022 are currently underway. You are eligible to receive a firm offer of admission, even before (10+2) results are declared, if you submit one of the following entrance exam scores:
NEET/ JEE / SAT
If you haven't taken any entrance exam, we recommend taking the Pearson Undergraduate Entrance Exam. It can be taken online on www.undergraduateexam.in
- As the University is promoting Girl Engineers, admission to all girl candidates is based on academic performance and personal interview.
- Once you meet the criteria, the department sends you a letter of enrollment. All students who pay the first semester fee are enrolled into the course to join one of India's leading multi-disciplinary universities.

CURRICULUM

The University emphasizes project based learning both inside and outside the classroom. Hands-on training via course projects, dedicated term project courses, extensive lab work and an emphasis on "learning by doing", enable undergraduates to get their hands dirty, and solve challenging problems of the real world rather than be confined to books, blackboards and PowerPoints.

In order to qualify for a B.Tech. Degree, a student is required to complete the credit requirements as prescribed in the curriculum for a particular program. The credit requirements for a program will be in the range of 280-300 credits. In addition to the prescribed credit requirement a student shall have to complete the requirements of Extra Academic Activities (EAA) during the first four semesters. The student has to undergo a Full Semester Internship during the eighth semester

The course work requirements may be broadly divided into following four main groups of subjects

Humanities and Social Sciences	Basic Sciences and Mathematics
Engineering Sciences and Practice	Professional Subjects

The total course package for a department consists of the following components:

Institutional Core subjects	Departmental Core subjects
Departmental Elective subjects	Institute Elective subjects

Medium of instructions and examinations will be in English.

PROGRAM COST:

Academic Fee	: ₹ 80,000/- per annum
University Charges	: ₹ 20,000/- per annum
Administrative Charges	: ₹ 5000/- per annum
Examination Charges	: ₹ 5,000/- per annum
Refundable security	: ₹ 10,000/- Once
Admission Application Charges	: ₹ 1100/- once

* Well-furnished Boys and Girls Hostels on Campus. Mess serves healthy vegetarian food.



UNIVERSITY TRAINING & DEVELOPMENT CENTRE

The training and placement process at the University is coordinated by UTDC along with the School's Placement coordinators and the Student Placement Committee. The serious issue in India has been that the higher education sector and the industrial sector have worked in isolation from each other. One of the reasons behind the talent crunch is the significant industry-academia divide. To overcome this challenge, the University has incorporated a One Semester Internship in its B.Tech. programs under Industry Engagement Initiative. The objective of the Internship is to facilitate the budding Engineers with first hand industry exposure. The Internship also provides "Best Match Hiring Opportunity" to the industries, post completion of the program.

Every year UTDC explores and provides opportunities across diverse areas of business, academia, non-profit organizations etc. Besides internships/ final placements in the corporate sector, offers with academic/ research institutions are also made available for the students.

In our mission to inculcate life skills in each student, UTDC has designed Soft Skills Module (SSM), covering sessions on Psychometric Test, Setting value based goals, Body Language, Leadership, Etiquettes, Presentation skills, Time management, Understanding values and beliefs, Cultivating new habits, Self-esteem, Overcoming the fear of failure etc., contributing to their overall evolution from classroom to the outside world.

UTDC has also designed a special module to prepare students as entrepreneurs, this effort is complemented by University Technology Business Incubator (TBI).

SCHOLARSHIPS

We believe that one good move makes all the difference and as an initiative to acknowledge the efforts, hard work and achievement of the young aspiring engineers, Shobhit University is proud to announce a scholarship scheme named as "Adarsh Scholarship Scheme."

Candidates those who are opting for Shobhit Deemed University, Meerut as their career destination by joining given below program are eligible for Adarsh Scholarship Scheme as per the criteria mentioned:

AIR – JEE Main 2020 /21	% in (10+2)	Scholarship Amount
1 – 10000	or above 90% in PCM/B	100% Tuition Fee
10001 – 20000	or above 85% in PCM/B	75% Tuition Fee
20001 – 30000	or above 80% in PCM/B	50% Tuition Fee
30001 – 50000	or above 75% in PCM/B	25% Tuition Fee

Some of our corporate patrons are:



A large number of leading national and multi-national Corporates, Research Organizations and Institutions are appreciating the University Industry Engagement Initiative and have patronized our students for Internship / final Placement.

Approved by AICTE | Accredited by NAAC | Recognised by UGC

To know more about Course structure, Infra-structural facilities, Scholarships and Admission Application Form please visit www.shobhituniversity.ac.in



FACULTY OF ENGINEERING & TECHNOLOGY Shobhit Institute of Engineering & Technology

[A NAAC Accredited Deemed to-be University established u/s 3 of UGC Act]

NH-58, Modipuram,
Meerut - 250 110; UP, India

Admission Helpline: 7617505012, 9870265521
E. : mail@shobhituniversity.ac.in

Ranked in Top 27 Technical University of India by India Today Survey 2021

