MADE IN DIT
Made for the World
MADE IN DIT, inspired by MAKE IN INDIA,
is DIT University's effort designed to foster innovation
and enhance skill development in its students and give
best-in-class graduates to the World.

Recent policy changes and reforms have underpinned
foreign investments and job creation, making India the
world's most attractive investment destination.

Focusing on these very landmark developments,
MADE IN DIT, with its
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The stage has been set. The world is watching.

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Mission

+ Imparting quality education of global standards by creating special skills for solving real life problems
+ Inculcating global perspective in attitude and developing a habit of lifelong learning
+ Promoting human values, ethics and healthy practices in professionalism
+ Encouraging creative ability & research temperament
+ Provide knowledge-based technological services
+ Synergizing the teaching-learning process through active interaction with industry, academia & other sectors
+ Total focus on holistic education of students by which character is formed, strength of mind is increased and intellect is expanded.

Vision

To be a world class quality professional institution constantly striving for excellence in education, research & technical services and develop competent, ethically & morally strong leaders for industry & society.

Core Values

+ Academic excellence and integrity
+ Outstanding teaching and service
+ Scholarly research and professional leadership
+ Appreciation of intellectual excellence and creativity
+ Integration of human values, ethics and professional etiquette with teaching
+ Encourage quest of life-long learning
+ Inculcating global perspective in attitude
+ Sensitivity to social responsibility.
DIT University enjoys an AAA+ ranking and with our reputation for excellence, you can be assured of graduating with one of the most highly regarded degrees in India and internationally. You will learn within an inspiring, research-intensive environment, alongside a faculty who focus on issues of importance to our communities and generate solutions of universal value. Employers will prefer you because you will be prepared for the challenges of a global economy. From day one of your degree you will be taught by faculty who are experts in their field. You will gain hands-on and real-word experience and industry knowledge and develop the technical know-how, communication, practical and critical thinking skills to ensure you are career ready and highly competitive in today’s fast changing international workplace.

As a DIT University student, you will become part of an engaging national and global network of students, graduates, friends and industry partners. Many of our graduates have risen to prominent leadership roles in industry, government, education and the professions.

Alongside the benefits of a DIT degree is the exceptional university experience you will have while here on campus. You will be surrounded by pristine forests, an exciting social, cultural and sporting life, plus opportunities for volunteering, societies, clubs and much more.

DIT University is a truly global university ranked in the country’s top 10 emerging universities, but our goal is to aim even higher: we aspire to be recognized as one of the world’s top 100 universities. I invite you to be part of our exciting journey.

It’s an exciting time to be a student at DIT University and I invite you to join us.

Dr K K RAINA
VICE CHANCELLOR
We are driven by the idea that great breakthroughs are achieved when the best research, the best education, and the quest to excel converge.
We are driven by the idea that great breakthroughs are achieved when the best research, the best education, and the quest to excel converge.
Quite simply, DIT University is a different kind of university. We offer you something you won't find anywhere else. It's not just our impressive academic record and internationally-recognised courses that make us different. It's the many initiatives and partnerships we have in place to make sure you have the right skills, knowledge and confidence for the fast-evolving world of work.

Here at DIT University, we will make that journey as simple and supportive as possible. Firstly, we make sure you get the right advice. We want you to achieve your goals, so tell us what they are, and our team of Advice and Guidance Officers will set you in the right direction. The University welcomes students from around the country. Located in Northern India, we're one of the region’s largest universities offering a wide range of higher education and professional graduate and post-graduate programs.

Our courses are all designed to help you progress - designed to equip you with the practical skills that will get you ahead in your career, and with on-site support from our Placement Cell, we can even assist you plan your next career move.

- Flexible credit based education
- Relative-grade based evaluations
- Future ready tech-savvy programs
- Option to choose inter-disciplinary programs
- Certification in foreign language
- Final Assault Training for fourth year students
- Forty hours of soft skills training and value added training each, 80 hrs of aptitude training and finally campus to corporate training for selected students.
- Curriculum designed in consultation with industry and academic stalwarts
- Envious placements.

If you're considering Higher Education, you probably already have your future career in mind, but choosing the right place to study is an important step to getting you on your way.

SHAURYA PRATAP SINGH
BTech (ME) IV Year
MADE IN DIT

Like any teenager, I passed my school with a lot of apprehensions, doubts and being directionless. The opportunities, environment and support at DIT University helped me channelize my energy and efforts towards the fields I felt happy in.
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Accolades & Associations

Thinking and working globally is part of our daily teaching, learning and research practice. So your degree will be outward-looking and full of possibilities and potential. Having strong links with industry and business, DIT University has an enviable reputation, having received the following recent accolades...

DIT University has been ranked 44th across the country for “India’s Top 100 Engineering Universities” – Jagran 2017

CAREERS 360 has ranked DIT University as AAA+ amongst “Top Universities of India”

DIT University has been conferred “Excellence in Education” by Competition Success Review 2017

DIT University has been awarded “The Edu-Destination” award by Re-think India

DIT University has been awarded “Most Emerging Higher Education Institute of the Year” in “Indian Education Congress 2017” by Franchise India in association with Times Now and Educationbiz.com

NPTEL recognized DIT University as a valuable “NPTEL Local Chapter with a rating of A – 2017”

IBM recognized DIT University “For Building Deep Skills in Big Data, Cloud Computing, Cyber Security & Internet of Things” under “IBM Career Education Program 2017”

Ranked 36th in “All India Top Private Engineering Institute Rankings” - Times of India Engineering Survey - May 2016

DIT University is “Rated as the top 10% campuses in Uttarakhand in terms of employability” - Aspiring Minds Awards 2016
When I decided to get my BTech degree, I looked at Universities that had the X factor, something that would really set me apart. DIT University had exactly what I was looking for. The experiential learning opportunities at DITU have given me a rock-solid foundation, a strong competitive edge, and some great memories.

SHIVANGI LAKHAR
BTech (CSE) III Year
MADE IN DIT
When you choose DIT University, you choose a professional program that will catalyze your career. That said, you also choose a location packed with life too. DIT University students benefit hugely from the University’s location, surrounded by the tranquility of breathtaking scenery, boasting excellent connectivity and a dynamic campus life. If you are looking for a cosmopolitan experience, we believe there is no better place to learn than to study at DIT University in the very heart of the education capital of India.

A Great Location
- Countryside, city life, we’ve got it all!

Dehra Dun - a vibrant and a culturally diverse city, is a fantastic setting to immerse in both the academic and practical side of the education world.

Big enough to provide a variety of entertainment whatever your interests, yet small enough to feel like home – Dehra Dun (or Doon as it is lovingly addressed) is the jewel of North India. In an ideal setting ensconced between the rivers Ganges and Yamuna, Doon offers an excellent quality of life.

Beautifully located amidst the Shiwalik range on the Himalayan foothills, Doon combines all the shopping, cultural and entertainment benefits of city living but with easy access to wide open spaces in the surrounding countryside, coupled with excellent road, rail and air links to New Delhi and other major cities across neighboring states.

Doon has a reputation for being home to the finest institutions of national repute including Indian Military Academy, Oil & Natural Gas Corporation, Forest Research Institute, Wadia Institute of Himalayan Geology, Geological Survey of India, Lal Bahadur Shastri National Academy of Administration, Wildlife Institute of India, Institute of Drilling Technology, Indian Institute of Petroleum, to name a few.

Dehra Dun has one of the highest proportions of students in its population of any city in India, injecting a unique and distinctive energy and vibrancy into Doon's educational, leisure and cultural scenes.

Doon's rejuvenated downtown has created one of the finest shopping zones in the region, with all the major national fashion and convenience stores, culinary chains and multiplexes represented.

While Mussoorie - the queen of hills, is only a 30 minute drive from the University campus, Haridwar and Rishikesh are merely an hour away from downtown Dehra Dun.
For me, simply attending a university was not enough. I knew I had to attend a university that was surrounded by fantastic entertainment, energetic city life, and an unrivaled character – DIT University was the place for me.
When you’re wondering what course to do, think about the things that inspire and excite you. What gets you thinking? When are you most enthused? Where do you want to be in ten years’ time? That way, you can be sure of choosing a course that you’ll both enjoy and benefit from.

UNDERGRADUATE PROGRAMS

BTECH PROGRAMS

Department of Engineering
+ Civil Engineering
+ Civil Engineering with Specialization in Geo Informatics & Disaster Mitigation
+ Computer Science & Engineering
+ Computer Science & Engineering with Specialization in Machine Learning
+ Electrical Engineering
+ Electronics & Communication Engineering
+ Information Technology
+ Mechanical Engineering
+ Mechanical Engineering with Specialization in Automobile
+ Petroleum Engineering
+ Computer Science & Engineering with Specialization in Big Data Analytics in association with IBM
+ Computer Science & Engineering with Specialization in Cloud Computing & Virtualization in association with IBM
+ Computer Science & Engineering with Specialization in Cyber Security & Forensics in association with IBM
+ Computer Science & Engineering with Specialization in IoT (Internet of Things) in association with IBM

ARCHITECTURE

Department of Architecture
+ Bachelor of Architecture
+ Bachelor of Design (Interior Design)

PHARMACY

Department of Pharmacy
+ BPharm
+ BPharm (Lateral Entry)
+ BPharm (Pharmacy Practice)*

APPLIED SCIENCES

Department of Applied Sciences
+ BSc (Hons) in Physics
+ BSc (Hons) in Chemistry
+ BSc (Hons) in Mathematics

HUMANITIES & SOCIAL SCIENCES

Department of Humanities & Social Sciences
+ BA (Hons) in Economics
+ BA (Hons) in Psychology
+ BA (Hons) in English

COMPUTER APPLICATIONS

Department of Computer Applications
+ Bachelor of Computer Applications
+ BCA with Specialization in Application Development in academic collaboration with Oracle University

*Subject to PCI Approval
Our programmes are created by leading experts, in consultation with industry. That means you'll develop the skills organisations are looking for. However, your ambitions play an equal part in shaping your learning direction. Here goes...

POST GRADUATE PROGRAMS

COMPUTER APPLICATIONS
Department of Computer Applications
+ MCA (Lateral Entry)

BUSINESS MANAGEMENT
Department of Business Management
+ Master of Business Administration
+ MBA in Logistics and Supply Chain Management
  in association with Safeducate

MTECH
Department of Engineering
+ MTech in Electronics & Communication Engineering
  with Specialization in Digital Communication
+ MTech in Computer Science & Engineering
+ MTech in Mechanical Engineering
+ MTech in CAD/CAM
+ MTech in Electrical Engineering with Specialization in Power System
+ MTech in Civil Engineering with Specialization in Structural Engineering
+ MTech in Construction Engineering & Management
+ MTech in Energy & Environment

PHARMACY
Department of Pharmacy
+ MPharm (Pharmaceutics)

APPLIED SCIENCES
Department of Applied Sciences
+ MSc in Physics with Specialization in Electronics
+ MSc in Mathematics & Computing
+ PG Diploma in Health, Safety & Environment

DOCTORAL PROGRAMS (PhD)

+ Civil Engineering
+ Computer Science & Engineering (For MTech students)
+ Electrical Engineering
+ Electronics & Communication Engineering
+ Mechanical Engineering
+ Petroleum
+ Computer Science (For MCA students)
+ Chemistry
+ English
+ Management
+ Mathematics
+ Pharmacy
+ Physics

CERTIFICATE PROGRAMS

HUMANITIES & SOCIAL SCIENCES
School of Languages
+ Certificate Program in French Language
+ Certificate Program in German Language
+ Certificate Program in Spanish Language
+ Certificate Program in Japanese Language

DIPLOMA PROGRAMS

Department of Engineering
+ Diploma in Mechanical Engineering
+ Diploma in Electrical Engineering
+ Diploma in Electronics & Communication Engineering
+ Diploma in Civil Engineering

Department of Pharmacy
+ Diploma in Pharmacy
What Difference does a DIT Degree make?

DIT graduates make valuable contributions to the organizations and communities they join. The courses they study with us are designed to make sure that their knowledge is current, and that they are able to take a lead in applying it to develop their own personal futures as well as those of others. We will support your learning by providing an educational experience designed to help you unlock your full potential.

Course Structure
The Courses have been designed after deliberations held during an education conclave in which eminent educationists and industrialists participated. The present structure is in tune with the latest industry requirement. Right from the first year onwards many choices are offered to students as electives which add flexibility and strength to the curriculum. It follows the globally accepted credit and grading system.

Technical Training & Certification
Value Addition Technical Training is imparted to all students. They are also inspired to acquire at least one International Certification. The University facilitates students by providing its infrastructure for online/offline test for the same.

Collaborative Programs
Select programs are conducted in association with industries such as IBM, SAP etc. These programs are related to current technological advancements and are relevant for today's professionals enhancing the employability of our students. The unparalleled advantage is that industry experts are engaged in teaching the students and selected students will be able to work on live projects enhancing their problem solving skills.

Industrial Tour
With a view to bridge the gap between theoretical input and practical knowledge, an industrial tour covering relevant industries is organized in the second year of select programs. This enhances students' exposure and provides hands-on experience in dealing with live problems in the area of their expertise. Once back from the industrial tour, students participate in jointly organized seminars and presentations covering details of what was learnt during the tour.

Industrial Training - Single Semester (Optional)
In programs viz BTech, BArch, MBA & MCA, there is a provision of Industrial Training (Internship) of one semester in the final year. Under this provision, students take up on-site industrial training as part of their course curriculum. However, they are required to be in touch with the concerned faculty members for various semester courses for online guidance and submissions. Besides they have to report to their respective department for all their academic requirements including those for appearing in regular mid-term & end-term examinations.
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**Remedial Classes**
Diagnostic tests are conducted to identify weak students. Based on performance of students in class tests, quiz test and mid-term tests, their weak areas are identified and extra classes are conducted subject-wise to bring them at par.

**Student Mentoring**
Orientation Sessions are conducted at the beginning of academic session by senior faculty members. Five fresher students are allotted to one senior student of the fourth year for necessary guidance and direction. One faculty counselor is allotted to every 20 fresher students. In addition, a permanent full time counselor devotes her time for each hostel (on and off-campus).
We're a Different University

Our holistic, interdisciplinary approach to teaching and research, and standards of academic excellence mean at DIT University you gain a world-class degree built around your interests and passions.

Our academic disciplines are split across: Engineering, Information Technology, Architecture, Pharmacy & Management. Each academic area aims to develop graduates who are knowledgeable and skilled, who will be sought-after by employers and become active global citizens. Our campus is global - not only in terms of the students who come to DIT University from all over the country, but also in terms of the community of academicians and industry experts we attract. All our teaching spaces are equipped with state-of-the-art technology to deliver a 21st century teaching experience and prepare you for the world of work. Our Learning Resource & IT Center is fully equipped to give you access to world class learning resources giving you the best possible support for your studies. Our community is diverse and exciting and so is our teaching. We help every student not just survive, but thrive in today's increasingly interconnected world.

Across the next few pages we describe, in detail, the unique strands of activity which combine to deliver the DIT University experience.

**Holistic Education**: An environment which encourages self-learning, sports, games, social, culture, technical skills and all-round development.

**Vibrant Curriculum**: Student-focused and innovative degrees.

**Excellent Academic Ambience**: A 21 acre oasis situated in the pristine Doon Valley overlooking the Mussoorie foothills.

**Employment Enhancement Training**: Augmentation of real life professional skills.

**Excellent Placement Record**: Outstanding year on year placement record with packages offered in excess of ₹10 lakh pa.

**Entrepreneurship Development**: A revolutionary Entrepreneurship Development Cell (EDC) focused on innovations in diverse fields.

**Stellar Rankings**: DIT University has constantly enjoyed highest ratings by the education and corporate sector alike.

**Industry Ready Curricula for various Academic Programs**: Our programs have been developed in collaboration with leading industry professionals and academic stalwarts to ensure relevant content to best prepare students for the workplace.
During my school days I had always wanted to do something innovative and getting into DIT University was definitely the best decision of my life. The perfectly equipped labs and esteemed professors here helped me in many exemplary projects which helped in acquiring various skills required for the technical Industry.

SADAF HASSAN
MCA (LE) III Year
MADE IN DIT
The University has signed MoUs with Foreign Universities to provide easy access to academic and research opportunities. Some of the esteemed academic partners of DIT University for education exchange programs are Gannon University USA, North Dakota State University USA, North Carolina State University USA, Kansas State University USA, and Huddersfield University UK.

Language Lab & Professional Communique: We have compulsory English Language Finishing Classes to make students well-versed with English. Training on phonetics and pronunciation is an integral part of the curriculum.

Limited Intake: Studying at DIT University is about gaining confidence as well as qualification. Limited intakes in each of our programs ensure that the quality of each program is monitored closely and students benefit by getting individual attention in their classes and labs.

Quality Faculty: We have empaneled some of the most competent and respected academicians as our faculty who hail from IITs, NITs and other renowned institutions.

Discipline: DIT University maintains discipline impeccably as this is the backbone of professional education. Our discipline management process is designed at four levels – Proctorial Board, Department Disciplinary Committee, Hostel Disciplinary Committee, and University Disciplinary Committee.

Ragging Free Campus: We have a strict anti-ragging policy in place. The anti-ragging council comprises of several senior faculty who make sure all policies are enforced in entirety and students do not feel threatened in a new atmosphere.

Impressive Infrastructure: We offer a rather impressive array of facilities viz theater style lecture halls, smart classrooms, modern labs, conference and seminar halls, a gym, an amphitheater, a high-tech Learning Resource Center, state-of-the-art IT Center, clean and airy student residences, mess serving wholesome meals, indoor and outdoor sport facilities including a plush new gymnasium with latest equipment.

Full Automation: DIT University has deployed ERP software developed by SAP. The software includes total student administration including registrations, results, attendance, staff management, library and financial management. Implementation of this software provides parents direct online access to their ward’s performance.

Excellent Linkages with Industry, Academia & Professional Bodies: At DIT University, we have impressive linkages with industry, national industrial associations and other renowned organizations. Active association with professional bodies like Association of Indian Universities (AIU), ASSOCHAM, CII, FICCI and leading foreign universities has proven a real asset in ensuring meaningful orientation.

Soft-skills, Aptitude & Software Training: We don’t just impart education, but augment it with real life skills that employers are looking for. An integral part of all our programs is the Specialized Software Training by industry experts (80 hours, spread over two semesters). Compulsory Soft-skills and Aptitude Training by corporate trainers (160 hours, spread over eight semesters) further helps polish the skills learnt by our students.

Student Participation in Academic Governance: With a view to impart leadership qualities, students are encouraged to actively organize and participate in a wide array of club activities and assist the University as responsible members of various academic committees including placement, hostel management, discipline and anti-ragging.

Just, Open and Transparent Academic System: Ours is a student centric University where we follow just, open and transparent academic systems. Unlike other universities and institutes, at DIT University, marks are not given – you have to earn them. Our Examination & Grading systems are standardized, transparent and stringent. All Examination Question Papers are prepared by experienced subject experts maintaining the sanctity of the entire process. As a regular practice, evaluated answer sheets are shown to our students prior to declaring the results publicly.

Scholarships: The University provides Shri Naveen Agarwal Memorial Scholarships to meritorious and deserving students as a token of recognition of their performance at entry level.

Student Consultative Committee: The Student Consultative Committee works under the chairmanship of the Dean of Student Welfare. All HoDs, Registrar, Chief Warden, Medical Officer, Controller of Examination, Chief Librarian and the Security Officer are active members of the committee. Two
DIT University has deployed ERP software developed by SAP. The software includes Total Automation.

**Gymnasium with latest equipment:**

**Indoor and outdoor sport facilities including a plush new gym:**

**Clean and airy student residences, mess serving wholesome meals:**

**High-tech Learning Resource Center, state-of-the-art IT Center:**

**Facilities viz theater style lecture halls, smart classrooms, modern laboratories:**

**Limited intake:**

**Specialized education:**

**Compulsory English Language Finishing Classes** to make students proficient in English.

**Language Lab & Professional Communique:**

**Huddersfield University UK:**

**Carolina State University USA,** **Kansas State University USA,** **North Dakota State University USA,** **North Carolina State University USA** for education exchange programs are Gannon University, DIT University's well-planned research opportunities.

**The International Connection:**

**Institutional partnerships:**

**Quality Faculty:**

**Competent and respected academicians** as our faculty who hail from elite institutions.

**Limited intake:**

**Pronunciation is an integral part of the curriculum.**

**Compulsory Soft-skills and Aptitude Training by industry experts (80 hours, spread over two semesters).**

**Soft-skills, Aptitude & Software Training:**

**Corporate trainers (160 hours, spread over eight semesters).**

**Expected skills for students looking for a career:**

**Education and real life skills:**

**An integral part of all our programs is the Specialized training:**

**Education, but augment it with real life skills that employers are looking for. An integral part of all our programs is the Specialized training:**

**CII, FICCI and leading foreign universities has proven bodies like Association of Indian Universities (AIU), ASSOCHAM, CBI,____, ____ & leading foreign universities have an excellent linkages with Industry, Academia & Professional Bodies:**

**Excellent Linkages with Industry, Academia & Professional Bodies:**

**Security Officer, Controller of Examination, Chief Librarian and the Medical Officer are active members of the committee. Two Security Officers are active members of the committee. SCC meetings are held twice a semester where students' problems / suggestions regarding Academics, Hostel, Examination, Sports, Curricular and Extra-curricular activities are addressed.**

**Student Consultative Committee:**

**A Women's Grievance and Redressal Cell has been constituted at DIT University with an effort to maintain the dignity of all female students and employees at DIT University and to prevent any sexual harassment, which is a criminal offence and violation of human rights. This cell has been established in accordance with the guidelines issued by the Government of India and deals with the cases / complaints of sexual harassment and any other type of harassment of female students and teaching & non-teaching women staff of the University.**

**Women Welfare Cell:**

**Counseling:** Experienced psychologists are available to help you with strategies to manage many of your day-to-day concerns. Referral to other specialist services is also available.

**Counseling:**

**An active Student Welfare Committee:**

**A Women’s Grievance and Redressal Cell:**

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Centers of Excellence

Today, with a student community of over 19,000 from around the country and abroad, DIT University continues in a spirit of innovation, educating the pioneers of tomorrow with the cutting-edge educational developments of today. Towards this end, we have strategically established the following Centers of Excellence on our campus, which lead the way in driving our growth strategy.

Center for Information & Technology Management
DIT University's multiple computer labs are a perfect amalgamation of knowledge and technology merging together for the greater benefit of our students. The adequately skilled IT infrastructure management team, under the aegis of the CSE & IT Department manages the campus computer networks.

Internet Connectivity
The computer labs are equipped with high quality persistent bandwidth which offers high speed uninterrupted Internet connectivity at 140 MBps across the campus.

Data Center
DIT University builds and maintains an array of collaborative systems, mainly websites or portals, facilitating global exchange of knowledge and ideas among students, faculty, recruiters and the alumni.

Audio Visual Facilities
It is said that the medium of audio-visual is ideal to implant an idea into the minds of a student. Keeping this in mind, our AV Center is equipped with modern audiovisual equipment and video conferencing facilities for students.

Microsoft Campus Agreement
'The Microsoft Campus Agreement' helps in increasing the access to educators and students in order to help them improve teaching & learning curves.

Hewlett Packard - Campus on Go the Program
DIT University has entered into an MoU with HP for training and software development. HP has been providing training to our students and faculty members on emerging technologies. Along with this, online Prometric Certification Courses for .Net, Oracle (OCP), Communication Technology, GIS, Java etc. are also conducted.

CISCO Network Academy
This is a unique joint initiative by CISCO Systems and DIT University to train students and faculty on practical aspects of networking technologies so that they are better prepared for requirements of the industry. CISCO offers complete training content through e-learning courses which include CCNA and CCNP certification.

Red HAT at DIT University
LINUX is a language which has already become a go-to source
DIT University has completely changed my way of thinking and attitude towards the importance of cutting edge technology in study. The IT infrastructure here is simply miles ahead of its time.
for tech-savvy individuals. Keeping this in mind the Red HAT program offers entire training content through e-learning on the Linux platform. The program includes RHCP certification.

**Center for Technology Incubation and Innovation**
An initiative by DIT University at providing entrepreneurs with opportunities to convert their business ideas into reality. Our incubation cell aims to coordinate, synergize and leverage various strands of technology, innovation and entrepreneurship in a thriving ecosystem consisting of research. It includes close coordination with industries, CII, UCOST, SIDCUL, UREDA at state level to facilitate start-up businesses and consultancy in technology.

**Objectives**
+ Developing a conducive environment where start-up entrepreneurship activities can commence
+ Facilitating creation of successful companies by helping budding entrepreneurs by providing excellent mentoring services to start-ups
+ Providing professional business environment to start-ups for operating business
+ Utilization of R&D infrastructure to create innovation based start-up companies
+ Assistance in commercialization for intellectual property
+ Developing strong alliances with regional business and technology communities through incubation programs.

**Center for Career Counseling, Training & Development**
Our Career Services Center continuously strives to help students in pursuing their career goals by acquiring employment-seeking skills and ultimately attain desired employment. This is accomplished through building a strong partnership amongst students, alumni, faculty members and industries. DIT follows a centralized placement process which gives each branch equal opportunity to grow for sustained excellence.

**Objectives of this center are...**
+ Assist students to develop their academic and career interests, both their short and long-term goals through individual counseling and group discussions
+ Assist students to develop and implement successful job search strategies
+ Work with faculty members, department heads and administration to integrate career planning with academic curriculum
+ Providing resources and activities to facilitate the career planning process
+ Act as an interface among students, alumni, and the employment community
+ Awareness in students regarding future career options
+ Assisting companies in recruiting candidates as per their requirements
+ Co-ordinating summer training/internship programs.

The placement process includes intensive pre-placement activities comprising of...

- **Career Counseling Sessions** to inform and educate students about the various job opportunities available in the corporate world.
- **Group Discussions** to provide training and practice to students about group behavior and leadership skills
- **Presentation Skills and Workshops** to enhance communication techniques
- **Technical Tests** to revive knowledge and basic understanding of the subjects
- **Mock Interviews** to enable students face real time work scenarios through regular mock interview sessions.

**National Program on Technology Enhanced Learning (NPTEL)**
DIT University has taken a step forward towards the establishment of an NPTEL (National Program on Technology Enhanced Learning) local chapter. The objective of this chapter is to enable students gain knowledge through enhanced video lectures and obtain certificates for courses pursued. It also makes them employable in the industry or pursue a suitable higher education program.

**Center for Research and Consultancy**
The mission of the R&D Cell at DIT University is to provide an inclusive environment for promotion and support of R&D activities in science and technology so as to build on specific strengths of University's teaching & research expertise and to provide means of further developing those strengths in collaboration with external researchers, teaching institutions,
for tech-savvy individuals. Keeping this in mind the Red HAT program offers entire training content through e-learning on the Linux platform. The program includes RHCP certification.

Center for Technology Incubation and Innovation
An initiative by DIT University at providing entrepreneurs with opportunities to convert their business ideas into reality. Our incubation cell aims to coordinate, synergize and leverage various strands of technology, innovation and entrepreneurship in a thriving ecosystem consisting of research. It includes close coordination with industries, CII, UCOST, SIDCUL, UREDA at state level to facilitate start-up businesses and consultancy in technology.

Objectives
- Developing a conducive environment where start-up entrepreneurship activities can commence
- Facilitating creation of successful companies by helping budding entrepreneurs by providing excellent mentoring services to start-ups
- Providing professional business environment to start-ups for operating business
- Utilization of R&D infrastructure to create innovation-based start-up companies
- Assistance in commercialization for intellectual property
- Developing strong alliances with regional business and technology communities through incubation programs.

Center for Career Counseling, Training & Development
Our Career Services Center continuously strives to help students in pursuing their career goals by acquiring employment-seeking skills and ultimately attain desired employment. This is accomplished through building a strong partnership amongst students, alumni, faculty members and industries. DIT follows a centralized placement process which gives each branch equal opportunity to grow for sustained excellence.

Objectives of this center are...
- Assist students to develop their academic and career interests, both their short and long-term goals through individual counseling and group discussions
- Assist students to develop and implement successful job search strategies
- Work with faculty members, department heads and administration to integrate career planning with academic curriculum
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- Co-ordinating summer training/internship programs.

The placement process includes intensive pre-placement activities comprising of...
government agencies and private industry. The Research & Consultancy (R&C) Cell at DIT University has been specifically set up to provide specialized administrative and managerial support for sponsored research, consultancy and other related R&D activities of the University. All the faculties/departments have their respective innovation unit which comprises of a faculty coordinator along with two students from final year BTech/BArch/BPharm, two students from MTech/MPharm/MBA/MCA and all research scholars. The R&C Cell lends support for...

+ Sponsored Research Projects from Government & Corporate Organizations
+ Consultancy Projects
+ Promotion of University-Industry interaction
+ Collaboration with institutions in India
+ UGC funded projects
+ Patents, know-how and transfer of technology
+ Research assistance to faculty members of the University.

Center for Entrepreneurship Development
Entrepreneurship in recent times has become a serious area of study. It is considered to be a solution for creating wealth, generating employment and providing new goods and services. Developing the spirit of entrepreneurship among youth has become vital. It is seen that, those countries have risen, who have focused on entrepreneurship and encouraged small scale industries.

Entrepreneurship Programs
A number of awareness programs namely EAC, EAD and FDP are run successfully for which funds from DST-NIMAT are made available.

Veda – The Central Library
The Resource Center is the hub of the library and information services of the University. It serves as a creative and innovative tool partner in supporting teaching, learning, and research activities of the Institute. With its fast growing collection, both in digital and print forms, the Resource Center is contributing to the University's mission of becoming a world class University in areas of Technology, Management and related subjects.

Veda offers late opening hours throughout the semesters and extended opening hours during examinations. The collection at Veda is rich and diverse, especially in terms of the breadth and depth of coverage and includes, books, conference proceedings, reference books, CD-ROMs, floppies, VCDs, DVDs, Video Cassettes etc. Currently, Veda has over one lakh books, over 3,500 CDs/DVDs, subscribes to more than 202 journals/magazines in print and more than 5,000 e-journals.

Highlights
+ Unparalleled subscription to over 200 national/international print copies, electronic research journals and 22 magazines
+ Forty eight networked Apple Macs
+ Book Bank Section having approximately 60,000 books
+ Database of over one lakh volumes accessible through Online Public Access Catalogue search facility
+ CD Bank comprising over 5,000 CD-ROMS of books & learning resources
+ Digital library suite with 275 server based learning resources
+ Huge collection of electronic periodicals (e-resources) i.e. IEL/IEEE, Springer, ASTM online and Science & Technology Collection Cengage Learning, Greener etc
+ Automated circulation with Web OPAC of all reading materials through Libsys software
+ DIT University is a member of DELNET which offers access to about three million books and other documents through a number of union catalogues, union lists and other databases that are accessible online
+ E-journal subscriptions of Institute of Electrical and Electronics Engineers (IEEE) USA, American Society for Mechanical Engineers, and Science Direct
+ Active Member of British Council Library which offers a combination of online and offline products
+ Member of EDUSAT and the British Council Library
+ Reference books including encyclopedias, handbooks, conference proceedings books and reference literature on a wide array of subjects including engineering, technology, leadership, research, business, current affairs and the like
+ Reference section containing books on subject as varied as nano-technology worth over ₹ 1 lakh each
+ Supplement video lectures through NPTEL
+ 3M Library Security System for round-the-clock protection of Library resources
+ Reprographic section provides photostat, digital printing and scanning facilities within the library.
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A Campus—full of Convenience

Medical Facilities
DIT University has an on-campus Infirmary which provides convenient, comprehensive and confidential medical care to students. The Infirmary is run and managed under the guidance of qualified and experienced doctors of the prestigious Max Super Speciality Hospital Dehradun. A Lady Medical Officer is available on campus during the day and Nursing Staff and Ambulance are available 24×7.

Open Air Amphitheater
The hostel has an open air Amphitheater having a capacity of more than 500 seats where a wide variety of co-cultural activities are arranged.

Gymnasium
Both the Boys’ and Girls’ Hostels have well-equipped modern gyms. Services of a trainer are available.

Sports
The hostel has a couple of Basketball, Volleyball and Badminton courts. We even have a few practice nets for our Cricket enthusiasts and Inter-block matches are regularly held.

Indoor Games & Common Rooms
We have a well-equipped Indoor Games Hall where students can come, relax and unwind after a day of hard work. Indoor games like Billiards, Table Tennis, Carom, etc. are available. Flat panel TVs with DTH connection are available in the hostels.

Convenience Stores & Barber Shop
To ensure that students do not have to rush to the local market, all hostels have Convenience Stores and Tuck Shops. There is a Barber Shop in the Boys’ Hostel. Apart from that, there is a well stocked Stationery Shop with photocopying and color printing facilities inside the campus.

Entertainment & Outings
After a week long of slogging over books, a break over the weekend is welcome. We arrange screening of popular movies and projection of important sport events on the big screen at the campus amphitheater. Sundays are for outings for hostel students in duly supervised University buses.

Wi-Fi
To ensure that students are always connected to the outside world, they are provided Wi-Fi and internet facilities in all the hostels.

Security
To ensure safety and security of students, Security Guards are deployed round-the-clock which is further beefed up with CCTV Cameras in all the hostels. Roll calls are conducted on a daily basis and proper procedure is followed for issuing of Out-passes and allowing visitors to the hostels.

Power Backup
There is never a dark moment in DIT University. The entire University campus is well-lit during evenings and night time. It has two powerful automatic generators which provide instant power back up 24×7.

Industrial ROs
Each building has a heavy duty industrial grade RO Plant installed to further treat and purify the drinking water in the hostels and other academic blocks.

Solar Water Heaters
All hostel blocks are equipped with solar water heaters for the convenience of students.
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Campus Transformation Initiatives

We're constantly investing in the future - providing you with facilities that you can be proud to study in, and that enhance your University experience. Have a glimpse of our future-ready initiatives you will benefit from as a student at DIT University...

The DIT University campus comprises up to 75,000 square metres of purpose built space, designed around your learning needs and our innovative teaching and learning methods. The campus is a vibrant location to study, collaborate and network with fellow students and employers.

We offer a rather impressive array of facilities viz theater style lecture halls, smart classrooms, modern labs, conference and seminar halls, a gym, an amphitheater, a high-tech Learning Resources Center, state-of-the-art IT Center, clean and airy student residences, mess serving wholesome meals, indoor and outdoor sport facilities including a plush new gymnasium with latest equipment to name a few.

‘Vedanta’ – our towering facility spread across six floors, is home to ‘Veda’ - The Central Library and a 400 capacity Auditorium. It also houses the Admissions & Placements Offices, Lecture Theaters & Labs sporting over 1,000 Computers for the Department of Computer Science & Engineering and a Café Coffee Day outlet, where you can catch up with friends over a Cappuccino.

‘Kasturba’ (New Girls' Hostel) houses aesthetically designed modern residences and houses over 600 girls in safe and secure comfort.

DIT University is amongst the few educational institutions in India on SAP ERP System with Student Lifecycle Management - that enables web-based services to students and improved access to information. Our students benefit from web-based services through student portals, facilitating admissions, registrations, online fee payments, viewing academic time tables, attendance, performance and apply for participating in campus placement drives, application for hostel & transport services, etc with the convenience of 24/7 access. With the SAP mobile application app, information like time table, attendance, results and fee ledger can be assessed on smartphones.

To strengthen the laboratory facilities, 19 new Laboratories have been commissioned across various departments of the University.
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DIT University is the place to turn potential and ambition into expertise, giving you the knowledge, confidence and practical skills to step up to higher roles. If you want to transform real technology, DIT is where your transformation begins.

SAUMITRA TRIPATHI
B.Tech (CSE) IV Year
MADE IN DIT
When you come to DIT University, it is time to start looking at the future. Of course you will want to have a good time - but you will also want to make the most of your time at University. To start with you will need to think about what employers are going to expect from you as a graduate. The next step is to plan how to make sure you become the kind of graduate that will be attractive to these employers.

Your Employability

Employability is the key focus at DIT University and preparation for the world of work is embedded into the DNA of all our innovative programs. Using leading industry and academic experts, we have created programs that are focused on grooming students for successful careers. Many of our graduates take up leading roles in large multinational organizations, while others lead and develop their own companies. You can be secure in the knowledge that all DIT University qualifications are internationally recognized.

The Training and Placement Cell of the University achieved noticeable success in helping the students to reach their avenues. A total of 635 students have been successfully placed with attractive salary packages in reputed national and international organizations during last academic session.
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“I would recommend DIT University to any prospective student as the facilities are good, the academic support is fantastic and the course itself has had such a great impact on my career moving forward.”

SAMREEN POPLI
B Tech (CSE) III Year
MADE IN DIT
The DIT University Career Services Department includes the following activities to ensure effective placement process.

**Personality Development**
Students personality development and grooming for:
+ Development of soft skills and specific technological skills in tune with industrial needs
+ Personality & attitude
+ Group discussion
+ Interview
+ Online test for assessment of student’s strength for suitability for employment.

**Campus Placement**
The potential employers are shortlisted on the basis of students discipline, their interests and market research. They are then contacted and invited to the campus in accordance with our accepted policy and priorities. It fulfils dual purposes, one for students securing their future career and industry securing the best fresh talent available in the region.

**Expert Lectures**
The Career Services Department organizes expert lecture series for enhancing current industry knowledge. Such lectures help in familiarizing students and faculty with industry practices and their correlation with textbook material.

**Training Programs**
+ 1\textsuperscript{st} Year - Special Soft Skill Trainings are arranged to enhance the cluster of personality traits, social graces, communication, language, interpersonal skills, etc. that characterize relationships with other people.
+ 2\textsuperscript{nd} Year - 40 Hours of Value Added Training, related to special software for enhancing technical skills of the students.
+ 3\textsuperscript{rd} Year - 80 hours of rigorous Aptitude Training for enhancing the aptitude (numerical, verbal, reasoning, analytical skills) of the students. Since this is considered as the initial level of screening in any placement process, special care is taken for the aptitude training.
+ Campus to Corporate - 40 hours of dedicated training through expert lectures from industry senior officials is arranged for developing team skills, leadership qualities, managerial skills and organizational behaviour.

All the above trainings are arranged by renowned experts with a view to ensure continual improvement, are an integral part of the curriculum and carry credits.

In addition to the above, mock Group Discussions and Personal Interviews are organized for continuous improvement. For this industrial experts are invited.

Companies that visited to recruit our students in the current year include...

Cognizant Technology Solutions
Hexaware Technologies
IBM Ltd
Infosys
TCS
Torry Harris
Wipro Technologies
Genpact
Hindustan Steelworks Construction
Era Group
Simplex Infrastructure
Ireo Management
L&t Construction
Libsys
3i Infotech
Adobe Systems
Josh Tech

Think Future Technologies
Trident Group
Indian Navy
SKF
Birlasoft
Blue Star Infotech
Cimcon Software
Daffodil Software
DELL
EDS (Mphasis)
Eduquity Career Technologies
Hughes Communication
igate
Kean India
L&t Infotech
Miracle Solutions
Perot Systems

Progressive Infotech
QA Infotech
Sapient
Satyam
Spark Netsoft
Steria
Zenstar Tech
Edlive Technologies
Iflex Solutions
Mphasis
Nsys Design Systems
Orange Business Services
Symbol Tech
TCMS India
DRDO
HCL Infosystem
Xi Dynamics India

Convergys Corporation
Rockwell Automation
HCL Technologies
Impetus Infotech
Infogain
Inteligrade Software
Interra Information Technologies
Newgen Software Technologies
NIIT Technologies
Prolific Technology
Fonantrix Solutions
Smartdata Enterprises
Vrvirtual.com
Webkul
HP
Yatra Softech
Aon Hewitt
Industrial Visits & Study Tours
The University recognizes the fact that field trips and excursions are important components for student’s development and therefore industry tours are inducted as an integral part of our academic curriculum.

Student Projects
Students prepare the projects reflecting the needs and problems of the industry. The faculty interacts on a regular basis with industry personnel for successful implementation of such projects.

Career Orientation Program
Various other programs to orient students about industry expectations are organized. Additional seminars are undertaken by the students in each semester to improve learning in areas like Literature Survey, Personality Development, Group Discussion and Presentation Skills. Moreover, opportunities of Technologies for communication skills enhancement are provided.

Industrial Training & Projects

BE/BTech
Students of engineering disciplines are required to undergo two months summer training in the industry under the joint supervision of industry supervisors and DIT faculty. This formally integrates academic studies with related work experience. The students also have an option to undergo six months industrial training/ internship in the last semester of engineering.

MCA
MCA students do a System Development Project (SDP) of minimum duration of 16 weeks in the last semester in January-June.

MTech
Final year students of MTech have to do a thesis work in an organization of their choice during January-June.

MBA
MBA students go for a two month training at the end of first year i.e May - July every year.

Industry patrons supporting projects and trainings include...

+ ONGC
+ ISRO
+ DRDO
+ IOCL
+ BPCL
+ Philips
+ Wipro
+ Infosys
+ HP
+ Mahindra & Mahindra
+ Maruti Suzuki
+ Tata Motors
+ Ashok Leyland
+ JCB
+ Escorts
+ HCL
+ C&I Electric
+ Havells
+ Anchor
+ Honeywell
+ AMW
+ Google
+ Dabur
+ HUL
+ HAL
+ BSNL
+ Reliance Industries
+ Honda
+ Hero MotoCorp and many more...
### Companies hiring DITians

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Offers</th>
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<tbody>
<tr>
<td>Zircon Technologies</td>
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<tr>
<td>Concentrix &amp; Teleperformance</td>
<td>164</td>
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<tr>
<td>Havells India</td>
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<td>Clairvoyant Mobile Solutions</td>
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Joining DIT University was one of the best decisions of my life. I still remember the introvert person I used to be while I entered the university and now when I am leaving I have not grown only technically but also professionally. These all changes came in me because of the environment provided by DIT.

SHUBHAM SINGHAL
BTech (PE)
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Learn from the Best

Our faculty are committed teachers and gifted lecturers, corporate success stories and passionate entrepreneurs, national experts and members of elite academic organisations. Their passion and expertise has influenced generations of professionals, and they’re ready to provide you with the knowledge you need.

DIT University is proud to have handpicked a faculty that gives focused direction to our students. Our faculty members are among the most qualified in the region with many years of academic and practical experience in their areas of expertise. Our faculty has been chosen not only for their excellence in teaching but also for their interest in working closely with their students. They are highly motivated through a clear performance management process and take pride in the energy and enthusiasm they bring to each lecture. Our present faculty strength is over 300 comprising of PhDs, postgraduates and research associates.

Faculty members of the University have been granted 16 sponsored research projects of more than Rupees 50 lakh to initiate the nucleation of research in different thrust areas of science and technology. As a primary outcome of the valuable research work carried out by our esteemed faculty members, they have innumerable articles published in reputed journals, research papers presented in international and national conferences and seminars.

To embrace cutting edge technologies and scientific innovations, a series of 38 guest lectures and 55 Conferences, Seminars and Workshops have been organized by various departments of the University in the said period. The University has taken a step forward towards the establishment of the NPTEL (National Program on Technology Enhanced Learning) local Chapter to provide students of the University an additional learning resource.

The Internal Quality Assurance Cell (IQAC) has been constituted in the University to take care of development and application of quality benchmark parameters of various academic and administrative activities.
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Change is the one true constant in our technology driven world. At DITU, we believe it is important that our BTEch degree produces engineers of tomorrow. We will help bring your career to the next level and get you ready to adapt as you advance forward and upward.

Prof SANDEEP SHARMA
HoD ECE

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Our Place, Your Home

Coming to university is always a big move. Of course, you’ll want the certainty of knowing where you are going to live. You’ll also want a place that fits in with your studies and suits your social life. And most of all, you’ll want somewhere you’ll feel at home.

In recent years the University has made a multi-million Rupee investment in modern, safe and secure accommodation designed to the highest standard. Our on-campus residences with their modern en-suite rooms make you settling in a breeze. Hostels in DIT University are like a home-away-from-home! We ensure that the inmates are comfortable and are provided with a congenial environment to pursue their studies. The hostel rooms are well ventilated and adequately furnished. We provide a separate box-bed with mattress, a study table, chair and a wardrobe to each student. Rooms are designed like an apartment with adequate toilets.

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<th>BOYS HOSTELS</th>
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<td>Sarabhai</td>
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<td>Sarojini</td>
<td>Double Seater Studio Apartments</td>
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<td>Kasturba</td>
<td>Triple Seater &amp; Single Seater (AC Option Available)</td>
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The on-campus boys’ residences can accommodate 1,200 boys while the girls’ residences accommodate over 1,000 girls in comfort. All residences have modern and well equipped kitchens and dining halls where food is cooked and served in clean and hygienic conditions. Our dining halls can serve over 600 boys and 400 girls at any given time.

To ensure pest-free surroundings, pest control services are utilized. Purified cold and warm water (during winters) is provided to the students. The Weekly menu is well planned in consultation with the Students’ Mess Committee to provide variety, nutritious and wholesome food to the students. Special meals are provided on festivals.
Moving to a new city to study was a big decision and it was really important to have somewhere to call 'home'. The residences here have their own distinctive homely character and offer me a safe and secure environment in which to live and study. All this made the transformation a breeze.
At the intersection of academics and ‘real-world’ lies one of the most rewarding and distinguishing hallmarks of DIT University: Experiential Opportunities. We provide unique experiences capable of transforming your skill sets, perceptions and resume all at the same time. Whether it’s an educational trip to a metropolis, participating in our very own fests, or a consulting project for a local non-profit, we are confident that you’ll find these opportunities to be among the most valuable and memorable experiences of your time at DIT University.

Get involved with campus organisations, student clubs, seminars, workshops and conferences to round out your student experience and get hands-on skills that employers are looking for.

**Youthopia**
Our lively festivals program creates a unique environment in which to live, work and play. Every winter onset, Youthopia - an annual inter-University cultural and technical fest delivers a billing of acts in comedy, theater, music and dance that attracts visitors in thousands. The University plays a key role in these events, offering many of its buildings as performance space, transforming the central campus into a hub of entertainment. The event spans over three days where teams from various universities and institutions come and participate to showcase their performances and talent in different cultural and technical events. Main attractions include Dramatics, Singing, Dancing, Literary Informer Games and Technical Events, Battle of Bands and the mega event - the ‘Star Nite’.

**Technotron**
The CSI-DITU chapter has always been a very active students club ever since its inception by organizing various technical and cultural activities round the year.

April also witnessed the hard work of CSI Club which organized a three day technical fest ‘Technotron’ at the DIT University Campus.

Technotron focused to find the hidden technical abilities of DIITians. Paper Presentation, Junkyard Wars, Coding Masters, E-college, Crack the Code, Languages (C, C++, Java) based Quiz provides a good platform for students to showcase their technical skills. Guest lectures on ethical hacking, Cloud Computing and Android attracts a large number of students.
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**Plexus**
It is the annual technical fest of IEEE and SAE chapters held each March. Designed to have competitions amongst the students of our university based on live problems solving exercise, it enhances the problem solving and innovative skills. Various technical workshops are also conducted during Plexus which appraise the students about the latest technological advances.

**L’amour**
L’amour is an annual Fine Arts Exhibition of DIT University held in February each year. The event provides a platform to technocrats, Pharma and Management students of DIT University to display the creative side of their fine art talent in oil and water color painting, photography, sculpture and computer graphics. The displayed art work is appreciated and judged and by renowned artists and photographers of Uttarakhand.

**Sphurti – The Annual Sports Fest**
Sphurti is the annual Inter-University National Sports Meet of DIT University - well known amongst the participants for its fairness and meticulous organization. This national meet is a 3-4 day event where teams from various universities and institutions participate.
First Convocation

DIT University held its first Convocation Ceremony on 16 December, 2017, where in an endeavor to develop alternative methods to create a sustainable future through specialized education, one student was conferred doctoral degree and 1248 & 487 received UG and PG degrees respectively.

The Visitor of the University, His Excellency, Dr. K K Paul, Hon’ble Governor of Uttarakhand released the Convocation Souvenir and the Chancellor of the University, Dr. R C Goel declared the Convocation Ceremony open. The Doctoral Degree and the Medal awardees' were felicitated by His Excellency, Dr K K Paul.

Shri Anuj Aggarwal, Chairman, Board of Governor, DIT University presented the mementos to the dignitaries. Dr. Man Mohan Singh Anand, Registrar, DIT University announced a total of 1,736 degrees to be awarded for the graduating students whilst Dr K K Raina, Vice Chancellor handed over the same. The Vice Chancellor administered the Oath to the recipients' of the degrees, post which Shri Anuj Aggarwal signed the scroll. The Closing ceremony was called in by Prof. Dr R C Goel, Chancellor, DIT University.

The convocation ceremony was followed by the Annual DIT University Alumni Meet in which about 400+ alumni who flocked from across the globe to connect back to their roots.

Dr Naveen Singhal, Dean Alumni Relations and Chief Proctor, DIT University confirmed an attendance of about 400+ alumni who flocked from various parts of the global to connect back to their roots. He says, “It is always a proud moment when more than 15000 Alumni have graduated from the Halls of this Institution. It a matter of pride for the faculty who have served the University for more than 15 years to see their students reaps the benefits of the hardwork, which they had put in here.”
DIT UNIVERSITY
FIRST CONVOCATION
प्रथम दीक्षांत समारोह
December 16, 2017

The 1st Convocation is a milestone in the history of any institution. On this momentous occasion, I congratulate the students, who are graduating, their parents and the University for this Academic Feat. DIT University has a unique structure with an innovative organizational set up working towards a high quality research-based education that ensures relevance with industry combined with social sensitivity. I have no doubt that the students will utilize their knowledge and fulfill their responsibility in a way that will bring success to them and pride to their alma mater.
Wherever you decide to go after graduation, you will never be too far away from another DITU graduate. The relationships you form and the friends you make through DIT University are for life and continue to have their impact long after your time on campus. From IT specialists to business leaders and engineering entrepreneurs to programmers and architects, DIT University's Alumni Network is a family you'll be proud to be part of. An Annual General Body Meeting was organized on 23rd April, 2016 to connect with the local DIT community working in the United Kingdom.

The Network of Success

Be in Good Company
Our Alumni Network represents a community of talented DITU graduates across the globe. Being part of this truly global community is something special and will not only provide you with a range of support services after completion of your studies with us, but will also provide the opportunity to enhance your professional networks. You will also unite with a distinguished group of professionals and experts, strengthening DIT University’s 16,500 strong expert global community. Our alumni have gone on to have exciting and rewarding careers at companies including KPMG, Infosys, TCS, Adidas, Coca Cola, both in India and around the world.

Practical Support
When you graduate from DIT University, your lifelong journey with us will continue. Being part of our alumni network offers a range of useful benefits including...

- Lifelong access to the Careers and Employability service
- National and international networking opportunities
- Access to online journals with the University's libraries
- A continued connection to the University and fellow alumni
- Chance to visit your alma-mater and participate in the Annual Alumni Meet held at Dehra Dun.
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A DIT University degree can arm you with the best chance for success in your chosen field. It opens many doors and offers a wide range of opportunities. Here we introduce you to just a few of our current students and graduates, their careers to date and the adventures they’ve enjoyed so far.

Mohneesh started ‘Kabaada’ in his second year of BTech which has been recognised as Top 100 CleanTech startup in the world at the ‘NewEnergy Global Startup Fest’ in Astana, Kazakhstan from among thousands of startups across the world. He was the only student among Top 100 participants representing India. He discussed about the problems of scrap management and e-waste in developing countries and how startups like Kabaada can help. Top 100 teams from 55 countries participated in the fest, where they represented their startups before foreign investors, Kazakhstan’s government officials, international media as well as an audience of over 2,000. His seven day trip was sponsored by the Kazakhstan government and included various programmes organised by Kazakhstan government including Pitch Sessions by Benjamin Southworth (Pitch guru and founder of various companies), stay at the Radisson Hotel including city tour & excursion to Astana, Almaty Kazakhstan & Moscow.

“In the valley of Mussoorie lies this great sojourn of education. Learning in a Majestic green campus, providing a benevolent environment to pursue studies is a dream come true for every scholar. It gives me an immense pleasure to be a part of DIT University which not only provided me with Holistic Education but also gave me a platform to learn ethos of Professional Culture. On offer is knowledge with an extract of modern advancements combined with application in well-equipped Practical Labs that result in overall development. DIT provides with a benign environment encouraging students to pursue dreams and reach the Zenith of aspirations while making their Parents proud. While Basking in the cozy sunny winter mornings to planning events and executing club meeting at DIT Nescafe and Lawn, its souvenirs we build for life. Not only I discovered an agile Professional with an awareness and understanding of delicate situations, I was able to inculcate Corporate ethics with the help of platforms I was provided. Learning coupled with all the fun with friends and colleagues constitutes the great time I had and Memories I made here.”

MOHNEESH BHARDWAJ
BTech III Year
MADE IN DIT

UTKARSH JAIN
BTech (ME) IV Year
MADE IN DIT
Apurva Bhandari is a Founder and Chairman at SankalpTaru Foundation. Apurva pursued BTech in Electronics and Communication from DIT in 2002. He also holds an MBA in Oil and Gas Management and started his career working with Bharat Petroleum Corporation Ltd. He has also worked with few IT companies and was on a consulting assignment in the US before he decided to return to India and founded SankalpTaru. Apurva has well traveled across India and is passionate about giving back to the society and mother nature. He looks after rural operations, strategy and corporate relationship management at SankalpTaru. Apurva is a regular speaker at Indian Institute of Corporate Affairs, Government of India and also delivers lectures at various educational institutes across India.

APURVA BHANDARI
BTech (ECE) 2002
MADE IN DIT

Major Ankur Garg, SC is from the BTech Mechanical (1999-2003) batch. Selected in a campus interview by the Indian Army, he joined the prestigious Indian Military Academy. During his 10 years of illustrious service, he has got the opportunity to serve in the challenging areas of Jammu & Kashmir for four years and High Altitude areas of Sikkim. He has been conferred with various awards both for gallantry and distinguished services including the ‘Chief of Army Staff Commendation Card’, India’s third highest peace time gallantry award ‘Shaurya Chakra’ which was awarded by Hon’ble President of India Smt Pratibha Devi Singh Patil at Rashtrapati Bhavan in April 2010. In August 2012 he was again conferred for the award of ‘General Officer in Command Commendation Card’ for his distinguished service.

MAJOR ANKUR GARG
BTech (ME) 2003
MADE IN DIT

Amit Kapur is from the BTech (CSE) 2003 batch. He is a Senior Manager with the elite US Management Consulting firm – KPMG (one of the big four consulting firms). He spends most of his time advising the CIOs, CTOs and other senior executives of Fortune 100 companies about organization restructuring and IT strategies. Amit constantly travels across North America to work with C-suite executives.

Amit started his career with Daffodil Software Solutions after being selected in campus interview in May 2003. He moved to Infosys Technologies and after multiple high performing project successes, was chosen to lead a new account in Charlotte, North Carolina, USA. He moved to the US in June 2005 and spent five more illustrious Infy years, starting new accounts in Charlotte, Atlanta, Minneapolis and New Jersey. During his tenure with Infosys, Amit was awarded the MVP Award, two On-spot Awards, eight Wachovia Shared Services Awards and two Sun Trust Best Performer Awards.

He moved to Computer Sciences Corporation as Portfolio Manager (IT Services) in 2010 and established a new account and offshore center for one of the top five banks in the US bringing in $1.5 million worth of annual business.

In his pursuit of distinguished education, Amit scored 740 in GMAT (becoming a MENSA member) and pursued full-time MBA in the prestigious Emory University (ranked #15 full-time US MBA). At Emory, Amit received Executive Leadership Council Scholarship and was elected the Vice President for the International Business Association. With a strategy focused MBA, Amit chiseled his career as a management consultant, gaining regular accolades and promotions within KPMG. He has recently taken up an opportunity to lead the KPMG US Service Provider relations program and manages the KPMG relations with 85 IT, BPO, Human Resource Outsourcing and Artificial Intelligence service providers. Amit lives with his family in San Diego, California.

AMIT KAPUR
BTech (CSE) 2003
MADE IN DIT
Department of

Computer Science & Engineering

Who are the programs for?

Computer Science & Engineering is the soul and psyche of many engineering branches. The Department of CSE has well-qualified and experienced faculty who are specialists in the areas of Databases, Algorithms, Data Mining, Computer Architecture, Operating Systems, Image Processing, Wireless Networks, Artificial Neural Networks, Information Security and Programming Languages. There are around 50 dedicated faculty members with good amount of experience in these different areas. The faculty members are actively involved in research activities in the field of their specialization. They have published number of papers in journals and conferences of national and international repute. The department attributes its success to the creative and innovative outlook of its students also. The department encourages students to participate and present papers in numerous symposiums. Students are also made to undergo in-plant training, where they hone their technical skill in the realm of computers.

What do you need for applying to the programs of this department?

Candidates are admitted to BTech-CSE on the basis of merit in JEE examination through Centralized In-house Counseling Board. Candidates are also admitted for remaining seats of BTech-CSE and other BTech-CSE programs on the basis of merit in the 10+2 Exams provided they fulfill the criteria. Admission to MTech and PhD programs are carried out by conducting a written test and interview at the University for eligible candidates. 40% seats are reserved for Uttarakhand domicile candidates.

What are the key things you’ll learn?

+ Application of Mathematics, Science based foundations for solving complex problems
+ Specify, analyze, design and implement quality software for ICT
+ (Standalone, Web, Mobile, Cloud and Enterprise) applications
+ Identifying hardware and develop software using different languages with suitable IDE for ICT applications
+ Comprehending ICT based organizations (Including management of software products and projects)
+ Developing practical approach using hardware and software tools in industry to enable creativity, innovation, research and entrepreneurship.

Where could the CSE programs take you?

+ Strategy and conceptualization of CSE models
+ Design solutions for complex Computer Science and Engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations
+ Create, select and apply appropriate techniques, resources, and modern engineering tools, including prediction and modeling, to complex engineering activities, with an understanding of the limitations
+ Identifying specific hardware for a typical ICT based project
+ Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings

Department Facilities & Key Equipment

+ Thirteen computer labs with over 600 state-of-the-art computer systems networked through LAN
+ Wi-Fi Internet facility is available throughout the campus
+ All software are genuine, licensed and updated
+ Simulator Lab with Matlab facility
+ 140 MBPS high speed broadband line
+ Research Lab with specialized softwares
+ Tutorial rooms for group discussions, presentations and interactions.
BTech CSE with specialization in Big Data Analytics in Collaboration with IBM
This program helps to make career in Big Data Analytics. Huge amount of raw, semi-structured and unstructured data is generating at uncontrollable pace. It features data as assets which can be used for analyze, correlate and predict. In almost every organization, there is a requirement of Data Scientist and Data Analyst to perform data oriented task. Expertise in Big Data Analytics domain leads to handling of business intelligence, large scale data mining and data warehousing projects. Course covers dynamic paradigm in business analytics & optimization, data warehousing & multi-dimensional modelling, Business Intelligence, and Web & Graph Analytics. The enhanced learning environment of the department attracts students from all over India and provides an ample scope for betterment in education as well as extracurricular activities. Besides these, the department has developed a strong research interests in faculties as well as students in diverse areas of Computer Science & Engineering.

BTech CSE with specialization in Cloud Computing & Virtualization in collaboration with IBM
This program is being offered in collaboration with IBM India. This will help students understand Cloud Computing and Virtualization technologies. Cloud Computing is very much a work in progress at this time and so while the course comprehensively covers the basic technologies involved, the history of the cloud and its roots in Service Oriented Architecture and Utility Computing, it has ample scope to take in the fast changing models that are thrown out by cloud computing. Students of this program will also benefit from the several practical credits that provide hands-on capabilities on the various aspects of cloud.

BTech CSE with specialization in Cyber Security & Forensics in collaboration with IBM
These programs are being offered in collaboration with M/s IBM India. Cyber security is the body of technologies, processes and practices designed to protect networks, computers, programs and data from attack, damage or unauthorized access. In a computing context, security includes both cyber security and physical security. Computer forensics is the application of investigation and analysis techniques to gather and preserve evidence from a particular computing device in a way that is suitable for presentation in a court of law. The goal of computer forensics is to perform a structured investigation while maintaining a documented chain of evidence to find out exactly what happened on a computing device and who was responsible for it.

BTech CSE with specialization in IOT (Internet of Things) in collaboration with IBM
DIT University and IBM have decided to collaborate to build the critical mass in the areas of Cloud Computing. As a part of the endeavor DIT University has set up an IBM Cloud Computing Lab in the campus to help students build their skill set. The platform brings together the latest software content, real-world industry experience, hands-on lab courses and best professionals practices, all into a single unique education program, to prepare students to be readily acceptable by the organizations.

New Program

BTech with Specialization in Database Administration & Business Intelligence in academic collaboration with Oracle University
In a fast changing world, technology is changing faster than our lives. Latest technologies are dominating the world and hence determining the employability of the young engineers. DIT University is now offering an exclusive opportunity to engineering aspirants through futuristic B.Tech with specialization in Database Administration & Business Intelligence in academic collaboration with Oracle University.

The program is a holistic, comprehensive one with customized offerings for Engineering and Business Schools. The programs bring together the latest software content, real-world industry experiences, hands-on lab courses, proven practices and case studies for the participants.

ORACLE UNIVERSITY and DIT UNIVERSITY have collaborated to setup an Oracle Software Lab for Emerging Technologies in the campus to help students and faculty members enhance their skills in areas of Database Administration & Business Intelligence.
Higher Education
The program delivers hands-on technical experience to prepare students for both IT and business careers, and provides them cutting edge hands on practice on Oracle Tools Platform. The Oracle University helps to more than 1.9 million students gain industry-relevant skills.

ORACLE will also extend to university, the Oracle Cloud Platform for Academia that provides support and resources to software, expertise and promotion. The program also fosters innovation and encourages students to become job givers rather than job seekers. The pass out students of this course will have BTech degree Database administration certificate from the oracle University. The CSE Department has vibrant infrastructure which will cater to the need of every student which will enhance their productivity which will give them an edge to excel in Industry as well as if they want to pursue Higher education as well.

Program Highlights
+ Access to Licensed oracle software's and Ekits
+ Industry oriented curriculum
+ Ekits, books and different study material from Oracle University
+ Round the clock availability of study material through Oracle Cloud Platform
+ Industry Oriented Certificates from Oracle University
+ Enhances and gives an edge in the global competitive market.

Career Prospects
The Demands for database administrator and developer is ever increasing with the booming market of e-commerce which will continue to grow for the next 25 years. After Graduating from this students can pursue their career in the areas of...
+ Application Developer
+ Database Administrator
+ UI/UX Designer
+ Solution Architect
+ Backend Consultancy
Department of Information Technology

Who are the programs for?
Students who have an interest in web & internet technologies and database management may pursue this course. IT branch consists of topics related to Information management (storage and retrieving), Information Security, Software Engineering, Computer Science, Web Scripting etc. It is aimed at training students to become Information Technology & Information management experts and put their skills to support various industries and spheres of life. Studying Information Technology is the dream of many engineering aspirants due to a number of reasons - growth, job opportunities, salary range and continuous industry growth.

During each semester, students have to face a different set of theoretical subjects as well as practical lab sessions. The degree has a major focus on computers and technology with complete knowledge of software development, programming languages, backend handling, cloud computing, web development etc. The degree aims at training students to become Information management experts and put their skills to support various industries and spheres of life. In the third year, students get an opportunity to work with an industry and develop projects. In the fourth year students are supported through external expert agencies to be prepared for placement and get placed in companies like WIPRO, Cognizant, Infosys, NEC, Deloitte, HP etc. Also students get an opportunity to work with the company on site in which they are placed in the 4th year for live projects before completion of their degree.

What do you need for applying to the programs of this department?
Minimum 60% marks in X Std with aggregate 65% marks in XII Std and minimum 60% in PCME/PMBE/PME Computer.

What are the key things you'll learn?
Over this four year program you'll gain a comprehensive insight into Programming Basics, Computer Peripheral description, LINUX development, Modeling DBMS, Computer Graphics Programming, Algorithm analysis and Design, Introduction to .net technology and Cyber Crime Practice using ethical hacking etc.

Where could the IT programs take you?
Information Technology is the backbone for the present era of technology and all types of organizations. These days, IT sector is so well evolved that it is directly or indirectly influencing the working of various other sectors and industries. IT sector acts as a supporting figure for various sectors such as healthcare, aviation, education, manufacturing sector, telecommunications sector, various Government initiatives and departments etc. In this branch student learn how computers process and manage all types of information. IT professionals are in demand in a variety of industries, designing hardware, software, communications networks, internet applications, and more. With the broad range of opportunities available to IT professionals, information technology can help students to qualify for a computer-related job in almost any industry.

Department Facilities & Key Equipment
DBMS Lab, Computer Network Lab, Java Programming Lab, R&D Lab, C/C++ Programming Lab, CAD/CAM Lab, Algorithms Lab, Linux Administration Lab, Projects Lab & Matlab Lab.
Department of Computer Applications

Who are the programs for?
BCA is an undergraduate Computer Applications and Information Technology course. The duration of Bachelor of Computer Applications (BCA) is three years, divided into six semesters. The course provides sound practical skills addressing problems which arise from computer systems and applications. The Course produces employable IT workforce that will have sound knowledge of IT that can be applied to develop and customize solutions for Small and Medium Enterprises (SME). The BCA Course aims at inculcating essential skills as demanded by the global software industry through interactive learning process. The objective of the program is to provide sound academic base from which an advanced career in Computer Application can be developed. This also includes team-building skills, audio-visual presentations and personality development programs.

MCA postgraduates typically find employment in organizations engaged in medium to large-scale software development. An MCA from DIT University equips to play a key role in advancement of this technology, and offers an opportunity of attaining a high level of knowledge and practical skills in computing.

What do you need for applying to the programs of this department?
BCA Minimum 50% marks in XII Std. with Mathematics or its equivalent examination in any stream conducted by a recognized Board/University/Council with Maths as Mandatory Subject.
MCA Minimum 50% marks in BCA/BSc (CS/IT). Counseling on merit based on graduation percentage/DUET-16.

What are the key things you’ll learn?

Clarity on both conceptual and application oriented skills in IT Applications. Improved communication and business management skills, especially in providing tech support and the ability and the mindset to continuously update and innovate. Major topics you are expected to touch over the program include...
+ Software Development: Computer Languages like C, C++, Java, Visual Basic, Dot Net etc.
+ Software Engineering: Project planning, verification and validation, software certification.
+ Artificial Intelligence: Fuzzy logic, Hybrid systems, Natural Language Processing, Neural networks, Genetic algorithms, Knowledge based systems.
+ Web based applications.
+ Theoretical Computer Science
+ Database Management System & Data WareHousing and Mining
+ Data communication and Computer Networks.

Where could the Computer Applications programs take you?
After getting an BCA and/or MCA degree, one can enter any of the following roles: Software Developer/Programmer/Engineer, Troubleshooter System Analyst, Software Application Architect, Software Consultant, Hardware Engineer, Technical Writer, Systems Developer/Engineer, Web Designer and Developer. MCA postgraduates are hired both by Government agencies NTPC, GAIL, BHEL, etc and private IT companies like Accenture, Infosys, Wipro, TCS, Cognizant, IBM, American Express, HCL, HP and so on. Initially MCA students are given a few weeks of training on the job, before they get started on live projects.

Department Facilities & Key Equipment
The Faculty of Computer Applications has a state-of-the-art lab comprising of about 200 computers spread across a set of five labs - Programming Lab, Computer Network Lab, Computer Graphics Lab, R & D Lab and a Computer Center.
New Program

BCA with specialization in Application Development in academic collaboration with Oracle University

This program demystifies Application development with oracle technologies, and attempts to define the role of application developer in IT industry. Application development is very much a work in progress at this time and so while the course comprehensively covers the basic technologies involved (e.g. Oracle 12c, Java SE and Java EE), the fundamentals of OOAD with UML and its use in Web application and Front end UI design. This program has ample scope to take in the fast changing models that are brought in by application development field. Students of this program will also benefit from the several practical credits that provide hands-on experiences on the various aspects of application development.

The enhanced learning environment of the department attracts students from all over India and provides an ample scope for betterment in education as well as extracurricular activities. Besides these, the department has developed a strong research interests in faculties as well as students in diverse areas of Computer Science.

Higher Education

The department will strive to achieve excellence in education so as to enable students to establish themselves as world-class software engineer. After passing the course students have wide job opportunities in various fields including further study options. The pass out students can take admission directly in second year of Master of Computer Applications (MCA) or any other stream of Computer applications. The department has vibrant infrastructure with programming and Database labs etc. to empower them with the proficiency and knowledge required to excel in the dynamic field of Computer Applications to pursue higher education.

Program Highlights

- Access to licensed oracle softwares and e-kits
- Industry oriented curriculum jointly developed with academicians and Oracle Professionals
- Courseware, books and material for each student jointly prepared with academicians and Oracle Professionals
- Skilling students in depth with concepts leading to specialization
- Professional certification by oracle
- Improve your prospects for a global career with the best companies

Career Prospects

The demand for application developer with knowledge of state of the art oracle tools is growing with the high demand of internet. After graduation you can pursue career as:

- Application Developer
- Web Developer
- UI/UX Designer
- Lead Developer
- Solution Architect
- Project Manager
- Database Administrator(DBA)
Department of Mechanical Engineering

Who are the programs for?
Mechanical Engineering is at the forefront of developing new technologies for a number of industries including transport, healthcare, construction, robotics, automobile and power sector. Core Mechanical Engineering permeates all engineering systems (fluid mechanics, solid mechanics, heat transfer, control systems, computer applications, automation, machines, mathematics, and physics etc.). If a technical degree incorporating a broad understanding of the world sounds appealing to you, then Mechanical Engineering is for you. And that’s why it’s always amongst the most sought after courses by students.

Diploma in Mechanical Engineering
Early engagement in learning and professional development stands a better chance of success. Three year diploma in Mechanical Engineering programme offered by DIT University is to akin the need of the society by enlarge. Diploma graduates can start entrepreneurial ventures or can pursue higher studies.

The emphasis is more on practical approach to create a seamless tiers between technicians and Engineers which can support shop floor and field operations.

With the ‘Skill India’ programme by the Govt Of India the students actually learn by doing and progress from basics to higher order skills like installation, maintenance and troubleshooting of machines. DITU Mechanical Engg Diploma Focus Area in the programme will make students industry ready in the area’s of...

+ Welding Technology, Safety & NDT (Non destructive testing)
+ Industrial Automation - Hyd& Pneumatic
+ Automobile – Service Center & Engine Diagnostic

BTech Mechanical Engineering with specialization in Automobiles
Automotive Engineering, the world over, continues to be a major employer of professional engineers owing to the unending challenge of mass production and the desire to make a perfect Vehicle Its scope is irrefutable and job prospects are very strong in any part of the world.

What do you need for applying to the programs of this department?

Diploma in Mechanical Engineering
Minimum 50% marks in X Std/ Science subject and equivalent with English as Mandatory Subject.

BTech Mechanical Engineering
Minimum 60% marks in X Std & aggregate 65% marks in XII Std and minimum 60% in PCME/ PMBE/ PME Comp. Counseling on merit based on rank of JEE /Direct admission for XII Std Board Toppers/ Counseling on merit based on XII Std marks in PCME/ PMBE/ PME Comp/NRI.

MTech Mechanical Engineering
Minimum 55% marks in BE/BTech or equivalent in Mechanical Engineering or Production Engineering.

PhD Mechanical Engineering
Minimum 55% marks or CGPA of not less than 6 on a scale of 10 in regular (not distance or any other mode), MTech Degree of a University or equivalent for PhD in Engineering/Technology in respective branch.
What are the key things you'll learn?
+ Knowledge and understanding: Have a thorough understanding of the advanced automotive systems
+ Intellectual skills: Apply concepts of mechanical engineering science to solve problems
+ Professional and practical skills: Deal with complex engineering issues in systematic and a creative way.
+ Transferrable key skills demonstrate the capability and skills to plan and execute a project.

Where could the Mechanical Engineering programs take you?
+ Designing new products and improving existing ones
+ Finding solutions to engineering problems, testing & validation
+ Planning and designing new production process, business generation.

Various jobs options that directly relate to Mechanical/Automotive engineering include aerospace automotive, highway equipment, agricultural tractors & equipment, maintenance, nuclear production, corporate investment banker, mining engineer, patent attorney, production manager, technical sales engineer. Employers value pre-entry work experience that relates to the career you want to enter. In our degree courses, there is an option for a semester internship in industry, which is valuable as it can provide evidence of skill development and professional awareness and companies give opportunities for jobs. The Make in India, Skill India, Young India Programs are primarily aimed at Automotive and Mechanical engineers' employment with a massive target potential of jobs by 2026.

Department Facilities & Key Equipment
Heat & Mass Transfer Lab, Refrigeration & Air Conditioning Lab, IC Engine Lab, Fluid Mechanics & Machinery Fluid Lab, Strength of Materials Lab, Material Science Lab, EDM Lab, FMS Lab, CAD Lab, Automobile Lab, Measurement & Metrology Lab, Dynamics of Machines Lab & Central Workshop.
Department of Electronics & Communication Engineering

Who are the programs for?
Students of Electronics & Communication Engineering are deemed to be well prepared for the industry with necessary core competency to succeed long-term in engineering/entrepreneurship careers post BTech and who are well prepared to undertake PG studies and research careers. The department has strong research programs leading to PhD degree in all specializations. In addition to a well-equipped curriculum, the department has many state-of-the-art facilities for assisting research and development in Optical Communication, Antennas, Communication, VLSI, RF Engineering, Digital Signal Processing, Image Processing and Wireless Technology.

Diploma in Electronics and Communication Engineering is a Diploma level Electronics and Communication Engineering course. The focus in this discipline is on understanding electronic networks and devices, electric magnetic fields, computer fundamentals, communication and control systems. This ensures that candidates will have opportunities in both hardware as well as software fields. The career paths followed are equally diverse ranging from electronic product design to heavy electrical plant maintenance, from research to production, from technical focus to customer focus.

What do you need for applying to the programs of this department?

**Diploma in ECE**
Minimum 50% marks in X Std/ Science subject and equivalent with English as Mandatory Subject.

**BTech ECE**
Minimum 60% marks in X Std & aggregate 65% marks in XII Std and minimum 60% in PCME/ PMBE/ PME Comp. Counseling on merit based on rank of JEE/Direct admission for XII Std Board Toppers/ Counseling on merit based on XII Std marks in PCME/ PMBE/ PME Comp/NRI.

**MTech ECE with Specialization in Digital Communication**
Minimum 55% marks in BE/BTech or equivalent in Electronics & Communication Engineering, Electrical Engineering or Computer Science Engineering/MSc in Electronics. Counseling on merit based on valid GATE score/DUET’17.

**PhD Electronics**
Minimum 55% marks or CGPA of not less than 6 on scale of 10 in regular (not distance or any other mode), M Tech degree of a University or equivalent for PhD in Engineering/Technology in respective branch.

What are the key things you'll learn?
Most electronics engineering courses will require its students to take courses in computing, calculus, circuits, electronics and design. This degree usually has course or unit loads in both lectures and laboratory classes, making sure that students are knowledgeable on both theory and technical skills and processes. Because of this, assessment an evaluation can be done through laboratory and practical exercises in addition to written exams and course work. Students are also normally expected to undertake a major design project, research or theses in their final years of taking the degree wherein they would apply the technical knowledge they have obtained throughout the whole program.

The BTech ECE four year engineering degrees cover a wide variety of topics, and some students may want to take into consideration the specializations available during the course of study. Specialization as part of a electronics engineering undergraduate degree include...

- Devices and Circuits
- Digital System Design
- Signals & Systems
- Digital Signal Processing
- Analog Integrated Circuits
- Communication - Analog, Digital, Mobile, Wireless, Optical, Satellite
- VLSI
- Embedded Systems
+ Artificial Neural Networks and Fuzzy Logic
+ Software Programming - C, C++, Data Structure.

The MTech ECE with Specialization in Digital Communication two year degrees cover a wide variety of topics related to digital communication, and some students may want to take into consideration the specializations available during the course of study. Below is a short list of some common offerings of specialization as part of a electronics engineering postgraduate degree:
+ Modulation
+ Wireless Communication
+ Spread Spectrum
+ Digital Signal Processing
+ Optical Communication

**Where could the ECE programs take you?**
Graduates of electronics engineering degree programs can work in multi-disciplinary fields and industries. Involvement in design, development, testing and handover can be expected, although the nature of different roles available is dependent on the industry or sector that the individual works in. The most common sectors that electronics engineering graduates are involved in are power generation and supply, construction, infrastructure development and maintenance, communications, information technology and manufacturing, all of which require the knowledge and skills of electronics engineering graduates. Having a further look at the career prospects, there is bound to be huge demand for competent engineers in electronic industry to cope this demand in technology. The engineers would be involved in sustaining cutting edge technology to stay ahead of the competition.
+ An electronic engineer can find a job in consumer electronics manufacturing organization, telecommunication & it industries, health care equipment manufacturing, mobile communication, internet technologies, power electronics, and other industries like steel, petroleum and chemical industry, directing control and testing production process
+ Electrical Engineers and technologists can specialize in technical sales, product representation, systems management, design and manufacture of electronic devices and systems, or the installation, maintenance and repair of electronic systems and equipment
+ They may also work with computers and electronic equipment in the medical, manufacturing, industrial control, telecommunications, aeronautical and military fields
+ Electronics & Communication Engineers are also sought after in Software, IT, ITES, Embedded, Gaming, and IoT industry
+ Electronics & Communication Engineers are acquired by top recruiters (both private and government) like DMRC, Siemens, Motorola, Intel, Texas Instruments, BEL, ISRO, DRDO, Accenture, Wipro, HCL Technologies, Samsung, Tech Mahindra, Infosys, TCS, MTNL, AIR, BSNL, Indian Air force, Indian Navy, Railways, Bharat Electronics Ltd and Flextronics and Philips Electronics.

**Department Facilities & Key Equipment**
Communication Lab, Digital Signal Processing Lab, CAD Lab, PCB Lab, Microprocessor Lab, Micro Controller Lab, Microwave Lab, Analog Electronics Lab, Antenna Design Lab, DRDO Project Lab & Photonics Lab.
Department of Electrical Engineering

Who are the programs for?
Electrical Engineering is the branch of engineering that deals with the design, development and maintenance of electrical systems and their components, ensuring their quality, safety, reliability and sustainability. It involves the design and manufacturing of electrical equipment used in different sectors such as construction and building maintenance, transportation, and the production and distribution of power throughout an area.

Diploma in Electrical Engineering is designed to prepare students for responsible engineering positions in design, development, research, applications and operation in the fields of control systems, electromagnetism, power electronics & drives, high voltage, communication, electrical machines and power systems. The Department imparts training with the best of teaching expertise in fields of Electrical Machines, Power Electronics & Drives, Process Control & Instrumentation and Applied Electronics supported by excellent laboratory infrastructure and exposure to recent trends in the industry, to ensure that the students are molded into competent electrical engineers and worthy citizens of the country.

Today, electrical engineers are much in demand due to the rising demand for electrical energy, the growth of audio and visual communication systems and automation in the industry.

What do you need for applying to the programs of this department?

Diploma in Electronics Engineering
Minimum 50% marks in X Std/ Science subject and equivalent with English as Mandatory Subject.

BTech EE
Minimum 60% marks in X Std & aggregate 65% marks in XII Std and minimum 60% in PCME/ PMBE/ PME Comp. Counseling on merit based on rank of JEE/ Direct admission for XII Std Board Toppers/ Counseling on merit based on XII Std marks in PCME/ PMBE/ PME Comp/NRI.

MTech EE with Specialization in Power System
Minimum 55% marks in BE/BTech or equivalent in Electrical Engineering/Electronics/Instrumentation/Al/Control Engg.

PhD EE
Minimum 55% marks or CGPA of not less than 6 on scale of 10 in regular (not distance or any other mode), M Tech degree of a university or equivalent for PhD in Engineering/Technology in respective branch.

What are the key things you’ll learn?
Most electrical engineering courses will require its students to take courses in computing, calculus, circuits, electronics and design. This degree usually has course or unit loads in both lectures and laboratory classes, making sure that students are knowledgeable on both theory and technical skills and processes. Because of this, assessment an evaluation can be done through laboratory and practical exercises in addition to written exams and course work.

Students are also normally expected to undertake a major design project, research or theses in their final years of taking the degree wherein they would apply the technical knowledge they have obtained throughout the whole program. Electrical engineering degrees cover a wide variety of topics, and some students may want to take into consideration the specializations available during the course of study. Most universities provide specialization options for their students, either through optional electives or as a mandatory part of the degree program. Specialization can be also offered under major areas like power system, control systems, electrical machines, power electronics and drives, fuzzy logic, semiconductors and electronics, measurement and instrumentations.

Where could the EE programs take you?
The most common sectors that Electrical Engineering graduates are involved in are power generation and supply, construction, infrastructure development and maintenance, communications, information technology and manufacturing, all of which require the knowledge and skills of electrical engineering graduates. Graduates
Department of Electrical Engineering

Who are the programs for?

Electrical Engineering is the branch of engineering that deals with the design, development and maintenance of electrical systems and their components, ensuring their quality, safety, reliability and sustainability. It involves the design and manufacturing of electrical equipment used in different sectors such as construction and building maintenance, transportation, and the production and distribution of power throughout an area.

Diploma in Electrical Engineering is designed to prepare students for responsible engineering positions in design, development, research, applications and operation in the fields of control systems, electromagnetism, power electronics & drives, high voltage, communication, electrical machines and power systems.

The Department imparts training with the best of teaching expertise in fields of Electrical Machines, Power Electronics & Drives, Process Control & Instrumentation and Applied Electronics supported by excellent laboratory infrastructure and exposure to recent trends in the industry, to ensure that the students are molded into competent electrical engineers and worthy citizens of the country.

Today, electrical engineers are much in demand due to the rising demand for electrical energy, the growth of audio and visual communication systems and automation in the industry.

What do you need for applying to the programs of this department?

Diploma in Electronics Engineering

Minimum 50% marks in X Std/ Science subject and equivalent with English as Mandatory Subject.

BTech EE

Minimum 60% marks in X Std & aggregate 65% marks in XII Std and minimum 60% in PCME/ PMBE/ PME

Counseling on merit based on rank of JEE /Direct admission for XII Std Board Toppers/Counseling on merit based on XII Std marks in PCME/ PMBE/ PME Comp/NRI.

MTech EE with Specialization in Power System

Minimum 55% marks in BE/BTech or equivalent in Electrical Engineering/Electronics/Instrumentation/AI/Control Engg.

PhD EE

Minimum 55% marks or CGPA of not less than 6 on scale of 10 in regular (not distance or any other mode), MTech degree of a university or equivalent for PhD in Engineering/Technology in respective branch.

What are the key things you’ll learn?

Most electrical engineering courses will require its students to take courses in computing, calculus, circuits, electronics and design. This degree usually has course or unit loads in both lectures and laboratory classes, making sure that students are knowledgeable on both theory and technical skills and processes. Because of this, assessment an evaluation can be done through laboratory and practical exercises in addition to written exams and course work. Students are also normally expected to undertake a major design project, research or theses in their final years of taking the degree wherein they would apply the technical knowledge they have obtained throughout the whole program. Electrical engineering degrees cover a wide variety of topics, and some students may want to take into consideration the specializations available during the course of study. Most universities provide specialization options for their students, either through optional electives or as a mandatory part of the degree program. Specialization can be also offered under major areas like power system, control systems, electrical machines, power electronics and drives, fuzzy logic, semiconductors and electronics, measurement and instrumentations.

Where could the EE programs take you?

The most common sectors that Electrical Engineering graduates are involved in are power generation and supply, construction, infrastructure development and maintenance, communications, information technology and manufacturing, all of which require the knowledge and skills of electrical engineering graduates. Graduates of electrical engineering degree programs can work in multi-disciplinary fields and industries. Involvement in design, development, testing and handover can be expected, although the nature of different roles available is dependent on the industry or sector that the individual works in.

Department Facilities & Key Equipment

Electrical Engineering Lab, Electrical Machines Lab, Measurement & Instrumentation Lab, Networks Lab, Control System Lab, Power System Lab, Power Electronics Lab, Electric Drives Lab, Simulation Lab & Electrical Drives Lab (MTech).
Department of Civil Engineering

Who are the programs for?
Increasing population is also a big challenge to the city planner as well as natural vulnerabilities. Following present developmental initiatives like 'Make in India', 'Skill development', 'Industrial corridors' the job scenario is going to increase in coming time with a need of city-urban planners and skilled manpower. So, Diploma in Civil Engineering will be in high demand for projects like airport sector, transportation sectors, set up of new cities etc. At present there are huge requirement of Diploma in Civil Engineering in the Government sectors like PWD, Irrigation Dept., Public Health Engineering, etc.

The course is intended for anyone with a passion for engineering & technology and is looking for a potential future professional career in the Civil Engineering sector. It is aimed at any student who wishes to develop his/her skills in engineering fields such as buildings, roads, power supplies, transportation, water resources, environmental engineering etc. Candidates should have a strong background in Mathematics and the different sciences such as Chemistry and Physics. If you choose to pursue a civil engineering degree, you’ll discover the extent to which civil engineers shape, build, maintain and expand society. Civil engineering deals with infrastructures, from planning to designing, construction, operation and maintenance. Civil engineering graduates are the brains behind all the largest and most essential structures that surround us – buildings, transportation networks, bridges, dams, tunnel energy and water supplies – and so their value within society is great. In the present scenario, with a lot of emphasis on Infrastructure development and inception of smart cities, Civil Engineering graduates are going to be highly sought-after more than ever.

At present there is significant need of Civil Engineers for land mapping, surveying, transportation, environmental modeling, disaster management, seismic micro-zonation etc. Companies are looking for young, dynamic and skilled Civil Engineers who have tremendous skills and hands on training exposures.

After completing Diploma, students can also go for higher studies like BTech, MTech, Phd in the field of Civil Engineering. In next five to ten years, several high cost projects are going to come up in India as well as new smart cities are also being proposed.

What do you need for applying to the programs of this department?
Diploma in Civil Engineering
Minimum 50% marks in X Std/ Science subject and equivalent with English as Mandatory Subject.

BTech Civil
Minimum 60% marks in X Std & aggregate 65% marks in XII Std and minimum 60% in PCME/ PMBE/ PME Comp. Counseling on merit based on rank of JEE /Direct admission for XII Std Board Toppers/
Counseling on merit based on XII Std marks in PCME/ PMBE/ PME Comp/NRI.

BTech Civil Engineering with Specialization in GEO Informatics & Disaster Mitigation
Minimum 60% marks in X Std & aggregate 65% marks in XII Std and minimum 60% in PCME/ PMBE/ PME Comp. Counseling on merit based on rank of JEE /Direct admission for XII Std Board Toppers/
Counseling on merit based on XII Std marks in PCME/ PMBE/ PME Comp/NRI.

MTech Civil
Minimum 55% marks in BE/BTech or equivalent in Civil, Chemical, Geo Informatics, Biotech, Industrial Biotech, Chemical & Electrochemical.

PhD Civil
Minimum 55% marks or CGPA of not less than 6 on scale of 10 in regular (not distance or any other mode), MTech degree of a University or equivalent for PhD in Engineering/Technology in respective branch.
What are the key things you’ll learn?
The courses involved in obtaining a degree in Civil Engineering would normally include classes in basic sciences, applied sciences, professional cores, professional electives, cross departmental electives, open electives, humanities, social sciences and management. Degree programs in Civil engineering are usually delivered in a combination of lectures, tutorials and laboratory classes. Students are also normally expected to undertake a major/minor projects, wherein they would apply the technical knowledge they have obtained throughout the whole program.

Specialization in Civil Engineering includes...
- Structural Engineering
- Transportation Engineering
- Geotechnical Engineering
- Geomatic Engineering
- Environmental Engineering
- Hydraulic Engineering
- Water Resources Engineering
- Construction Engineering.

Where could the Civil Engineering programs take you?
Civil Engineering careers are both rewarding and challenging and can involve elements of construction, design, leadership and management, depending on your interests and specialist knowledge gained at university. You’ll often find ample opportunities for creativity and innovation, as well as the rewards of seeing projects come to fruition. All civil engineers need a good knowledge of design and construction methods, current technologies and best practices, as well as relevant legislation and regulations. The Civil engineering sector offers a wide variety of different roles for engineering graduates. Civil engineering careers often offer good prospects for progression, and the potential to earn a better-than-average salary, with many countries worldwide forecasting high demand in the coming years.

Because of the high number of transferrable skills that civil engineering graduates possess, a career in other fields is entirely possible. Some fields that Civil Engineering graduates go into are law, architecture, information technology, finance, business, real estate and management consulting.

Department Facilities & Key Equipment
Fluid Mechanics Lab, Hydraulics & Hydraulic Machines Lab, Building Material Lab, Soil Mechanics Laboratory, Concrete Lab, Transportation Lab, Structure Analysis Lab, Environmental Lab, Geology Lab, Computer Lab & Survey Lab.
Department of Petroleum & Energy Studies

Who are the programs for?
The Programs in Petroleum Engineering are designed for students who are innovative & prefer hands on experience. The program prepares the students for Oil & Gas Industry with a solid foundation and knowledge of oil and gas exploration, production and development. Petroleum Engineering is the practical application of the basic and physical sciences of mathematics, geology, physics, chemistry and all of the engineering sciences to the discovery, development, production and transportation of petroleum related energy sources.

What do you need for applying to the programs of this department?
Minimum 60% marks in X Std & aggregate 65% marks in XII Std and minimum 60% in PCME/ PMBE/ PME Computer Counseling on Merit based on rank of JEE /Direct admission for XII Std Board Toppers/ Counseling on Merit based on XII Std marks in PCME/ PMBE/ PME Comp/NRI.

What are the key things you’ll learn?
The breadth and depth of our program is unique (upstream, midstream and downstream); it is designed to prepare each graduate for a successful career with technical competences in office, labs and in the field. As Petroleum engineering domain deals with different operations both on shore and offshore, the courses involved in obtaining a degree in Petroleum engineering would normally include classes in basic sciences, applied sciences, professional cores, professional electives, cross departmental electives, open electives, humanities, social sciences and management. Degree programs in petroleum engineering are usually delivered in a combination of lectures, tutorials, practical classes and guest/distinguished lectures by prominent industrial experts. Students are also normally expected to undertake a major/minor field oriented project, wherein they would apply the technical knowledge acquired during the whole program. Students will be exposed to various field oriented problems and their probable solution through industrial visits such as ONGC, OIL India, MECL, IOCL, Essar Oil etc. Specializations in Civil engineering include: production engineering, reservoir engineering, drilling technology, drilling fluid and cements, reservoir simulation, offshore drilling and production practices, oil and gas transportation, non-conventional petroleum resources & petroleum refining and petrochemicals.

Where could the Petroleum Engineering programs take you?
With a Degree in Petroleum Engineering, you can be a worldwide trotter. Petroleum engineering careers are both rewarding and challenging and can involve elements of drilling, production, reservoir engineering, transportation, refining, design, leadership and oil and gas management, depending on your interests and specialization attained at university. You’ll often find ample opportunities for creativity and innovation, as well as the rewards of seeing projects come to fruition. Petroleum engineers need sound knowledge of drilling, production, reservoir engineering, transportation, refining, design, and simulation methods, advanced technologies and best practices, as well as health safety and environment regulations. Petroleum engineering sector offers a wide variety of roles for engineering graduates in upstream companies such as ONGC, Essar Oil, Schlumberger, Weatherford, Cairn India etc. Petroleum engineering careers often offer good prospects for progression, and a potential to earn a better-than-average salaries, with many countries worldwide forecasting high demand in the coming years.

Department Facilities & Key Equipment
The department has advanced labs in Drilling Fluids and Cementing, Petroleum Products Testing, Unit Operations, Reservoir Engineering, Geology, Fluid Mechanics & Machinery, Heat Transfer, Surveying and Computer / Software Labs. The Department has experienced faculty from academic and industry, offer skill development via value added training, a vibrant SPE student chapter on campus. Our students have benefitted from undergraduate research program within the department and have had the unique opportunity to present their research papers in several international conferences.
Department of Architecture

Who are the programs for?
Architecture helps students to develop creative confidence, which includes the freedom and courage to take creative risks; and the knowledge and skills to distinguish whether all their ideas have lasting value or not. We develop skilled professionals, who possess such creative confidence and help craft environments that are ecologically sustainable and resilient, prosperous and fair, healthy and aesthetic. We perceive architectural education to be an ever evolving link connecting nature, society and technology. Providing students with the latest technologies and equipping them with innovative and sustainable ways of handling these is our objective.

Bachelor of Design (Interior Design)
Aesthetics and presentation is gaining importance in all spheres of our lives, be it apparel, food or built environment. This program helps the students to develop creative knowledge and skills to meet the growing demand of people to experience highly aestheticized environments; for living, for working and for recreation as well. We develop skilled professionals, who possess such creative confidence and help create environments that are aesthetic and experiential and at the same time sustainable and relevant. We perceive Interior Design as that which connects society, culture and technology. Providing students with the latest technologies and equipping them with innovative ways of handling these is our objective. The Institute, aspires to associate proactively with trends and contexts of the sector and grooming our students to create experiences that achieve a balance between the aspirations of people and the contexts that it operates in.

What are the key things you’ll learn?
The program focuses on:
+ Inspiring students to demonstrate their commitment to our natural environment, sustainability and the development of a quality built environment
+ Encouraging students in academics and community through an interdisciplinary approach that prepares well-rounded professionals
+ Nurturing students in the exploration of Architecture and its divergent approaches, their creativity in design and their expressions of personal beliefs in their personal and professional activities
+ Research/documentation/structures/graphics/journalism and such related courses have been introduced to give a varied and vast choice as career options for a graduate in Architecture
+ We wish our students to be equipped with a spirit of entrepreneurialism and innovation – adapt to and embrace change, and recognize being a life-long learner which will be a key to their success
+ We encourage more on-site activities to enhance practical knowledge apart from the theoretical curriculum and our approach to architectural education is hands-on and experiential. The faculty lays great emphasis on imparting an education that puts sustainable and appropriate architecture at its core, especially in the areas of systemic and ecological developments of habitation and urbanization in the Himalayas.

What do you need for applying to the programs of this department?
Admission to the BArch program through NATA (National Aptitude Test in Architecture) conducted every year. Students need to qualify a three hour pencil & paper based test and should have obtained at least 60% marks in 12 class with PCM. NATA is conducted all over the country on a single day. JEE Paper II exam to qualified with pass percentage.

Where could the Arch / BDes (Interior Design) program take you?
Architecture education opens a variety of career options. The most obvious of course is that one can start an Architectural practice of one’s own or work in any such practice. Higher education, in India and abroad, is something that many students are increasingly opting for. This could be in fields related directly to architecture or in many of the creative industry verticals as well as management sectors. Besides studio practices or higher education, young graduating architects can find jobs or employment in many allied sectors like real estate, construction and government, etc.
Students can opt for higher education in India & abroad alike. Many premier institutes nationally as well as internationally offer Masters in Design or Masters in Interior Design programmes. Further specializations include but are not restricted to Furniture, Lighting, Retail, Exhibition Design etc. This higher education could be in fields related directly to design or in many of the creative industry verticals as well as management sectors. Design Education opens a variety of career options. The most obvious is the starting one’s own Design Studio or work in any such Studio. Higher education, in India and abroad, is something that many students are increasingly opting for. Besides Studio Practices or Higher Education, young graduating Interior Designers can find jobs or employment in many sectors like Retail, Hospitality, Media, Tourism, Recreation etc.

**Department Facilities & Key Equipment**

**Labs & Equipment**
Climatology Lab, Surveying Lab & Material Testing Labs

**Workshops**
Department of Pharmacy

Who are the programs for?
The program is intended for one who wishes to serve the society for better health and is looking for potential future in pharmacy profession having a desire to acquire knowledge for developing and evaluation of pharmaceutical ayurvedic formulation. This course provides professional skills, knowledge, abilities to serve in pharmaceutical industry and to provide appropriate medication service to the patient. The program is designed to get excellent exposure and practical skills including an ability to design and evaluate various pharmaceutical dosage forms and regulative perspectives implemented in manufacturing process.

Diploma in Pharmacy
The Faculty of Pharmacy was established in 2005 and recognized by the Govt. of Uttarakhand & approved by Pharmacy Council of India, New Delhi. The Faculty has been a front runner in the field of pharmacy education. The Department has highly qualified, experienced and research-oriented faculty. It also ignites inbuilt abilities & potentialities in students and prepares highly competent Pharmacists who can serve in Pharmacy profession globally. This course provides excellent knowledge and abilities to serve in hospital, govt. sector and community pharmacy. Apart from that the course can also give ample of knowledge to start their chemist shop & to become an entrepreneur. The students will be exposed to learn various theoretical concepts, practical skills Pharmaceutics, Pharmacology, Pharmacognosy, Community Pharmacy and hospital pharmacy. The students will undergo 500 hours hospital training after completion of two years course duration and this course provide indepth adequate knowledge about the analysis of monographs and formulation of dosage forms, drug interaction, marketing skills to cater his duties effectively in pharmaceutical profession.

What do you need for applying to the programs of this department?

DPharm
Minimum 50% marks in XII Std with Mathematics or Biology) or its equivalent examination in any stream conducted by a recognized Board/University/Council.

BPharm
Minimum 50% marks in XII Std with Physics, Chemistry, Maths or Bio & Bio-Science. Counseling on merit based on XII marks or DUET.

BPharm (Pharmacy Practice)
Minimum 50% marks in Diploma in Pharmacy with four years work Experinences.

MPharm (Pharmaceutics)
Minimum 50% marks in BPharm. Counseling on merit based on GPAT/DUET 2018.

PhD in Pharmacy
Minimum 55% marks or CGPA not less than 6 on scale of 10 in regular (Not distance or any other mode) MPharm Degree of a University. NET/SRF qualified students shall be preferred.

What are the key things you’ll learn?
The course also provides in-depth adequate knowledge in pharmaceutics, pharmaceutical chemistry, pharmacology and phytomedicine, pharmacological screening, standardization, drug interaction, marketing skills to cater skills in the pharmaceutical profession. The specialization areas of Pharmacy include... Pharmaceutical Analysis, Pharmaceutical Inorganic Chemistry, Human Anatomy and Physiology, Pathophysiology, Biochemistry, Pharmaceutical Engineering, Medicinal Chemistry, Herbal Drug Technology, Industrial Pharmacy, Novel Drug Delivery System, Quality Assurance etc.
Where could the Pharmacy programs take you?

On successful completion of BPharm, you may opt to pursue a master’s degree in Pharmacy to acquire additional scientifically strong expertise in various specializations in the pharmacy field that will enable you to opt for specialized jobs in Pharmaceutics, Pharmaceutical chemistry, Pharmacology and Pharmacognosy. Alternately you could move into formulation sector, marketing formulation, manufacturing of bulk drugs, pharma trading, drug distribution, cultivation of medical plants, repacking units, community drug store, pharmaceutical production, R&D, medical insurance, pharmacists in hospitals, quality assurance in cosmetic industry, pharmacovigilance, medical writing and regulatory affairs. The program also provides an ability to work in various pharmaceutical companies, clinical pharmacies, and marketing sectors.

The students can become an entrepreneur by starting chemist shop, wholesale drug distributor. He can serve as a medical representative, Pharmacist in govt. hospital and health sector. The students can also serve in production area of various pharmaceutical industries and in health sector.

Department Facilities & Key Equipment

New Program

BPharm (Pharmacy Practice)
The course structures provides a platform to enhance the professional skills, knowledge and status of pharmacy professionals who possesses diploma in pharmacy and are registered as pharmacists with their respective state Pharmacy Councils. This is part time course which will be conducted on weekends & students can complete this course along with his current job & it will enhance his candidature to get better job & promotions.
Department of Management Studies

Who are the programs for?
Master of Business Administration (MBA)
The program is meant for individuals who wish to take up challenging managerial roles of all types at organizations i.e. profit & non-profit, big & small and hence play a key role in bringing value to individuals, organizations and the society at large. Together with this, the program infuses entrepreneurial orientation within participants to culminate their potential into business start-ups.

MBA in Logistics & Supply Chain Management in association with SAFEDUCATE
The program is being run in collaboration with the well-known industry partner SAFEDUCATE to exploit on its real time SCM expertise backed by research fineness of the Faculty of Management Studies, DIT University. The program is meant for individuals who wish to make a career in logistics and supply chain management at entry or middle level management roles in organizations in India’s one of the fastest growing field. Further, this program aims to infuse entrepreneurial orientation to look for start-ups thus contributing to the nation’s growth.

PhD in Management
The program is meant for individuals who wish to make career in teaching or research and development experts in industry to solve real world business issues.

What do you need for applying to the programs of this department?
Master of Business Administration (MBA)
This program is aimed at individuals who wish to either start their own business or work at managerial positions in an organization. The program essentially requires minimum of 50% throughout in X Std, XII Std & graduation with valid CAT/MAT/XAT/CMAT score. However, those without valid CAT/MAT/XAT/CMAT score can appear in a separate DIT University Entrance Test to qualify the entry requirement.

MBA in Logistics and Supply Chain Management in association with SAFEDUCATE
The program essentially requires a minimum of 50% throughout in X Std, XII Std & Graduation with valid CAT/MAT/XAT/CMAT score. However, those without valid CAT/MAT/XAT/CMAT score can appear in a separate DIT University Entrance Test to qualify the entry requirement. Though the program is open to candidates from all domains of graduation, students with a Mathematics background are preferred.

What are the key things you’ll learn?
Master of Business Administration (MBA)
Over the span of two years, you will be able to assimilate the following things:
+ Domain specific knowledge and skills i.e. marketing/finance/human resource/analytics
+ Business data analysis using R, SPSS and MS Excel
+ Objective decision making
+ Problem solving
+ Working on SAP
+ Communication skills.

MBA in Logistics and Supply Chain Management in association with SAFEDUCATE
Over the span of two years, you will be able to assimilate the following things:
+ Increased chances of getting employment (using Safexpress contacts in industry)
+ Course designed and taught by highly qualified industry experts (Safexpress instructors) and learns the practical implications of it
Rigorous workplace training
- One full semester on the Job Training in fourth semester
- Forty five days exclusive training with Safexpress logistics in second semester
- Learning through industry experts, lectures, workshops, industrial visits, supply chain games and simulation
- Sessions on soft skills (Public presentation, negotiation, debating skills etc.) development.

PhD in Management
Over the span of three years, you will be able to assimilate the following...
- Advance Data Analysis Skills
- Ability to carry out independent research projects involving qualitative and quantitative research

Where could the Management Studies programs take you?
Master of Business Administration (MBA)
At the end of the program, you will turn out as a management practitioner. You should see yourself either discharging managerial roles at industry or the one venturing into business start-ups.

MBA in Logistics and Supply Chain Management in association with SAFEDUCATE
At the end of the program, students will turn out as an expert of logistics and supply chain field who has hands on experience of the industry. Students will not only have an opportunity to get consumed at various managerial level positions but also possess the ability to work as a management consultant or venture into start-ups in supply chain field.

PhD in Management
At the end of the program, students will turn out as research experts who can contribute to academic knowledge building as well as solving real world industry issues.
Department of Humanities & Social Sciences

Who are the programs for?
An integral part of an undergraduate engineering education involves exposure to the study of the broader contexts within which technology and engineering practice operates. The Humanities & Social Sciences requirements engage engineering undergraduates in course work that will provide this broad exposure. This includes an extensive array of study areas offered by DIT University's outstanding liberal arts community of scholars, and provides the student with structured opportunities to understand such topics as: Human behavior; civil society; geopolitical phenomena; the creative, artistic, linguistic, philosophical, and symbolic cultural endeavors throughout human history; social, economic, and political conflict; and challenges surrounding global health, poverty, and the inner city.

BA Economics Honors
A three year BA Honors Degree in Economics was introduced in the session 2017-18. The course will help students to develop a familiarity with the economic principles and their application to concrete situations. It will also provide an insight and better understanding into the key aspects of Indian & International economy and its global repercussions. It will enable the candidates to pursue careers in the public and private sectors. Careers include budget analysts, survey researchers, management analysts, operations analysts or careers in academia.

BA English Honors
A three year BA Honors Degree in English is due to be introduced in the session 2018–19. The course will expose the students to the literature across the world as a reflection of the society it is born in. It will take the students much beyond their little experience of life to wider thoughts, varied perception and experiences to explore wider universal issues for better understanding of themselves and the world around them. It will enable the students to pursue careers in public and private sectors. Other careers include: social media, marketing, advertising, scriptwriting, reporting, journalism, public relations, event management, personality development trainer, media house, translator, content writer or editor.

PhD in English
The department also offers a PhD program in English.

What do you need for applying to the programs of this department?
Certificate Programs in Foreign Languages
Minimum 50% marks in XII Std. or its equivalent examination in any stream conducted by a recognized Board/ University/ Council.

BA Honors Programs
Minimum 50% marks in XII Std. or its equivalent examination in any stream conducted by a recognized Board/ University/ Council.

PhD in English
Counseling on Merit, based on DIT University Entrance Test-DUET’18 and interview conducted by the University.

What are the key things you'll learn?
The Department of Humanities & Social Sciences plays the distinctive role of integrating human attributes and values with a holistic science and technology education. It helps to make India’s bright young minds critical thinkers and ensures all round holistic development of students through teaching a variety of subjects, innovative curricula, and participation in co-curricular activities. The department offers subjects like Professional Communication, Engineering Economics, Principles of Management, Organizational Behavior, Human Values and Ethics. Further, in order to make the students campus ready, they are exposed to corporate communication and their technical writing skills developed with an emphasis on critical thinking, rhetorical analysis, effective writing and effective document design. Nationally renowned trainers impart training in subjects like Soft Skills Development, Aptitude Building and Personality Development to enable them to present themselves effectively and handle professional situations.
Where could the Humanities & Social Sciences programs take you?
These highly interactive classes continually challenge students to be involved in their wholesome development so as to build communication bridges and explore international opportunities in today's global world.

Department Facilities & Key Equipment
It is a viable source of providing training in global accent to students coming from various vernacular mediums. The language lab enables each student to have a self-paced learning through different software so that the student can progress ahead from his/her own present proficiency level. The Language Laboratory is a high-tech equipped class which offers a variety of functions. It has been specially designed for student-teacher interaction, and greater concentration for language learning.

The Language Lab provides practice in word accent, stress, rhythm and intonation as well as correct pronunciation of vowels and consonants of the English language by listening and repeating. Likewise, various software platforms enable each student to train for presentations, negotiation and other soft skills. This lab is mandatory for BTech first year students. The students of the other years can also avail of the facilities of this lab as per their convenience. The Lab is equipped with 60 multimedia computers along with headphones. The students are provided with all the facilities at their workstation.

Software and Learning Resources
The Digital Interactive Lab (one teacher+60 students) is installed in the central system through which all the systems are networked. iTell (Orell) is the world's most advanced and futuristically designed digital language lab system that intelligently harnesses the power of cutting-edge information technology to deploy an easy to use yet comprehensive software platform for efficient teaching and quick learning of a foreign language.

New Program

BA Psychology Honors
A three year BA Honors Degree in Psychology is due to be introduced in the session 2018-19. Psychology is an academic discipline of social science that aims to understand individuals and groups by establishing general principles and researching specific cases. Bachelor of Arts program in Psychology covers several areas of the field. The students through this program learn about concepts, theories, strategies and tactics that apply to human behavior. They also gain fundamental training in humanities, social sciences and natural sciences. Some programs offer a concentration in a relevant field, such as human development or organizational psychology. Furthermore, psychology students are encouraged to engage in research and participate in internships or other hands-on activities.

Certificate Course in Foreign Languages
The Foreign Languages program is designed to provide students with a professional edge in today's competitive environment. DITU has entered into an MoU with the Embassy of France for teaching French language. A French national teaches French to the students at the end of which globally recognized due certification is provided. A language certification course in German, Japanese and Spanish is also being run in the department by native speakers from the Heritage Institute of Languages.

The Foreign Languages Certificate course covers both initial levels of the languages, which would catapult the students into becoming intermediate/independent users. The course would be of one academic year with around 120 teaching hours. These levels are defined by the Common European Framework of Reference for Languages (CEFR) and once completed students will be able to read, write and have oral interaction with native speakers of these languages to cover their basic communication needs. The course will take such students much beyond their little experience of life to wider experiences. It will enable the students to pursue careers in Tourism, Embassies, Diplomatic, Services, multinational corporate bodies like the United Nations Organization (UNO) and Food and Agriculture Organization (FAO) and various Indian national organizations such as Ministry of External Affairs, Reserve Bank of India (RBI), Publishing, Interpreters and Translators. The course will prepare the students to join higher programs in any premier institution of the world.
Department of Physics

Who are the programs for?
BSc (Honors) in Physics is a gateway to the world of opportunities. Whether your aim is to learn about being at the cutting edge of research, learning how to analyze or think critically. BSc (Honors) will give you highly sought-after skills for a huge range of careers from the sciences and beyond. Physics deals with the fundamental phenomena of nature: space, time, mechanics, matter and energy. Physics enables us to develop an understanding of everything from the nucleus of an atom to the structure and origin of the universe.

PhD is especially designed for those students who want to pursue their career in the research in the challenging areas of core and interdisciplinary fields. The broad areas for research specialization include:
- Nano science and nano-technology
- Soft matter science and nano colloids
- Electro ceramics and multi-ferroics
- Material science.

This program prepares the students for careers in academic, industrial and government organizations.

What are the key things you’ll learn?
BSc (Honors) in Physics
This program will give exposure of subjects like Electromagnetic Theory, Physics Labs, Electromagnetic Theory, Discrete Mathematics and Graph Theory, Modern Physics etc:

Where could the Physics programs take you?
BSc (Honors) in Physics
BSc (Honors) in Physics is excellent training for hundreds of careers: jobs requiring critical reasoning, logical thought, teamwork and problem solving are commonly filled by physics graduates. After B.Sc. degree in Physics students can study Physics at a higher level (with a wide choice of courses to be taken) and also gain invaluable experience in research. Graduates can also consider working in a number of commercial roles in telecommunications, government departments, management consultancies, administrative and teaching.

Department Facilities & Key Equipment
Mechanics Lab, Optics Lab, Digital Electronics Lab, Basic Electronics Lab, Solid State Physics Lab & Materials Research Lab. We are also running sponsored projects from DST, DRDO etc.

What do you need for applying to the programs of this department?
BSc (Honors) in Physics
Students passed intermediate / 10 + 2 with PCM (50 %) can apply for this course.

PhD Physics
Minimum 55% marks or CGPA of not less than 6 on scale of 10 in regular MSc Physics degree from a recognized university. GATE/NET qualified students shall be preferred.
Department of Mathematics

Who are the programs for?
BSc (Honors) in Mathematics (Three Years Program)
+ A newly designed under-graduate course with emphasis on applicable Mathematics
+ During first two years of the course a student studies Chemistry/Statistics/Computer Science and Physics in addition to Mathematics
+ Advanced courses in Mathematics makes it better program than a normal BSc
+ Number of open elective courses are floated in fourth, fifth and sixth semesters to cover varied interests of individual students
+ More emphasis on hands-on learning of computational Mathematics
+ Affordable fee-structure with quality teaching and state-of-the-art laboratories
+ Excellent future prospects.

What are the key things you'll learn?
+ These programs emphasizes on the courses which have vast potential for applications in the area of computer sciences
+ It offers an exciting opportunity to those interested in Mathematics and wish to understand how mathematics can be put to practical use. It discusses modeling and solving of real world problems in the context of computer applications
+ Mathematics & Computing aims to visualize modern programming paradigms and high performance computing, a need for all companies in this area. Thus it enhances good employment opportunities. Many graduates of this program work at tech Many graduates of this program work at tech technologically advanced institutions, especially in research and development. After successful completion of this program students may pursue masters, doctoral studies in Computer Science or Mathematics.

Where could the Mathematics programs take you?
Mathematics is a wide discipline and has many forms. In the various engineering fields, different forms of mathematics may be applied to achieve a specific solution. For instance, linear algebra is widely applied in electrical engineering to design electrical circuits. Boolean algebra is the basis of digital logic design, a key component of building computers.

In civil and mechanical engineering, geometry is used to design structures and ensure that they perform in a safe and meaningful way. When designing a bridge, civil engineers may use differential equations to calculate the approximate size of the supporting piers needed. They may also use complex mathematical modeling to predict the lifespan of the structure to be constructed.

Industrial engineers use calculus to find the rate at which certain variables will change in a given operation. Industrial engineering routinely entails making approximations and safe estimations to ensure that all processes are properly controlled. One or more forms of mathematics are used in these approximations and estimations.
Department of Chemistry

Who are the programs for?
Chemistry is the central science. All aspects of technical development require people with expertise in Chemistry. A basic chemical education is required by doctors, dentists, engineers, agriculturalists, foresters, industry managers, etc. There is an increasing need for graduates with some Chemistry background for work in industry as quality control staff, production managers and in a range of government and private research laboratories, e.g. mineral exploration, environmental pollution monitoring, agriculture. The contribution of Chemistry graduates to regional development is considerable.

Currently, Electronics and Computers engineers are waiting for suitable bio-polymers and nano-molecules for use in miniature super computers, Electrical engineers are in search of proper conducting polymers, Mechanical engineers are on lookout for micro fluids and the Civil engineers are looking for materials that are environment friendly, economical but long lasting. Chemistry is the back bone in designing and understanding the nature of various engineering materials. Many advances in engineering either produce a new chemical demand as in the case of polymers or wait upon chemical developments or their application as in the case of implants and alloys.

Post Graduate Diploma in Health, Safety & Environment
Health, safety & Environment is a legal requirement for every organization (Industries, Mining Operations, Petroleum explorations, Infrastructure etc.). It includes every environment where work is done. The importance of this field has become more relevant with advancement in technology. For enhancement of specific skills and knowledge related to health and safety among the engineers and science graduates willing to make career in industries, construction, mining etc.; the diploma will be a boon. It provides a career progression to the personnel working in the field of health, safety and environment.

What do you need for applying to the programs of this department?
If you like to possess knowledge of the chemical composition, structure, and properties of substances and of the chemical processes and transformations that they undergo then Chemistry should be a vital subject to take up. This includes uses of chemicals and their interactions, danger signs, production techniques, and disposal methods.

What are the key things you'll learn?
The teaching of Chemistry at degree level at DIT University, Dehradun covers courses at the undergraduate and postgraduate levels. The BSc program in Chemistry provide a basic framework in the important aspects of modern chemistry - atomic and molecular structure, thermochemistry, kinetics, electrochemistry, inorganic, spectroscopy, structure and mechanism in organic chemistry. This ‘basic’ knowledge is then applied at the Engineering level to topics of considerable regional importance - instrumental analysis, industrial chemistry, environmental chemistry and polymer chemistry. In this way students are given a clear indication of how the principles of chemistry are important in the world around them.

The PhD program in Chemistry combines an extension of the application of fundamental principles in situations of regional importance with a more advanced treatment of some of the basic aspects of chemistry not covered in detail in undergraduate courses, e.g. soil, food and water chemistry, natural products chemistry, biochemistry, polymer chemistry and recent advances in chromatography and spectroscopy.

Where could the Chemistry programs take you?
Those who study chemistry go on to do many exciting things in a whole range of industries. Chemistry is involved in a number of sectors including oil and gas, energy, water treatment, plastics, toiletries, pharmaceuticals and food and drink. Although processes differ within each of these areas, chemistry roles are found throughout, and are directly involved in the design, development, creation and manufacturing process of chemical products and materials. Researchers are common within chemistry and are often tasked with creating and developing new chemical techniques, often combining other advanced and emerging scientific areas such as
nano technology or biomedical engineering.

Study of chemistry include ensuring the efficiency and safety of chemical processes, adapting the chemical make-up of products to meet environmental or economic needs, scaling up chemical processes for manufacturing purposes, and applying new technologies to improve existing processes.

**Department Facilities & Key Equipment**

The Chemistry department is well equipped with modern laboratory instruments. There are two separate laboratories:

a. For Undergraduate & Postgraduate students  
b. For R&D purpose

The UG & PG lab is well equipped with modern instruments used at this level

+ Muffle Furnace  
+ Digital Balance (0.1 mg)  
+ Hot Plate  
+ Magnetic Stirrer

+ Flash & Fire point Pensky Martin Apparatus  
+ Redwood Viscometer(1&2)  
+ Calorimeter  
+ Bomb Calorimeter  
+ Pen pH Meter  
+ Heating Mantle  
+ Thermostatic Water bath  
+ Orbital shaker  
+ Visible Spectrophotometer  
+ Digital pH meter.

**R&D work going on in the Chemistry Department**

+ Use of Nano Technology in Cementing Material  
+ Modification of Plant Polysaccharides for useful end application  
+ Biolubricants Synthesis  
+ Biodiversity Conservation  
+ Herbal Plants analysis  
+ Stereoselective Synthesis and Applications in Natural Product Synthesis  
+ Synthetic Methodology  
+ Advanced Chromatographic & Spectroscopic Analytical Methods.
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- Magnetic Stirrer
- Flash & Fire point Pensky Martin Apparatus
- Redwood Viscometer (1 & 2)
- Calorimeter
- Bomb Calorimeter
- Pen pH Meter
- Heating Mantle
- Thermostatic Water bath
- Orbital shaker
- Visible Spectrophotometer
- Digital pH meter.

R&D work going on in the Chemistry Department:

- Use of Nano Technology in Cementing Material
- Modification of Plant Polysaccharides for useful end application
- Biolubricants Synthesis
- Biodiversity Conservation
- Herbal Plants analysis
- Stereoselective Synthesis and Applications in Natural Product Synthesis
- Synthetic Methodology
- Advanced Chromatographic & Spectroscopic Analytical Methods.
On coming to DIT, I couldn't quite believe the wonderful mix of students I joined. The classes and the practical emphasis have been stimulating.

ARSHI KHAN  
BArch I Year

Made in DIT  
Design & Realisation... STERLING PREFERRED +91.99970 22228

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On coming to DIT, I couldn’t quite believe the wonderful mix of students I joined. The classes and the practical emphasis have been stimulating.

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BArch 1 Year
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Made for the World