राज निवास
दिल्ली - ११००५४
RAJ NIVAS
DELHI - 110054

उपराज्यपाल
दिल्ली
LIEUTENANT GOVERNOR
DELHI

सत्यमेव जयते

MESSAGE

Indira Gandhi Delhi Technical University for Women (IGDTUW) is a premier institute for women in our country which strives to educate and nurture its students for the dynamic and highly competitive demands of the industry. The university believes in delivering quality education while boosting leadership qualities, team culture and requisite professional skills amongst the students.

The graduates of IGDTUW have time and again proven that women can shine and progress in every sphere, if given equal opportunities. Year after year, the students have successfully bagged prestigious job offers from reputed industry conglomerates and multinational companies. It is a matter of pride for all of us, to see the young women graduates/ post graduates of IGDTUW contributing immensely to to the knowledge economy in India and abroad and evolving into skilled professionals, entrepreneurs and leaders of tomorrow.

I would like to extend my warm wishes to the entire placement team of the Univeristy for facilitating holistic grooming of the students while securing excellent placement opportunities for them in different specializations. I congratulate all the students of previous years and extend my best wishes to all aspirants of placements in 2020-21.
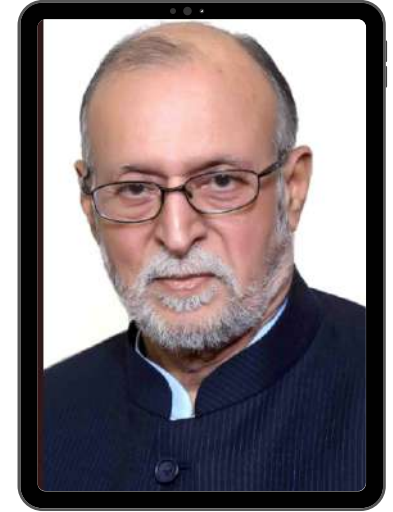
(Anil Baijal)

Dr. (Mrs.) Anita Dev
Vice Chancellor, IGDTUW

Indira Gandhi Delhi Technical
University for Women
Madarsa Road, Opp. St. James Church
Kashmere Gate, Delhi-110006

सत्यमेव जयते

MESSAGE

Indira Gandhi Delhi Technical University for Women continues to strive towards excellence since its inception in 2013 as First Government Women Technical University in India. To be a part of this forward and intellectual environment is indeed a matter of stupendous pride for me.

The devouring stride of the university has been exemplary in transforming itself into an icon of women empowerment. In these six years, IGDTUW has evolved to become a national flagship research-led university with a mission to foster intellectual and ethical environment to promote technical and professional education.It also aims at teaching, training and elevating students at independent level where they can achieve higher level of excellence and professionalism.

The university offers various courses like B.Tech, M.Tech, BBA, MCA, B.Arch and various PhD. programs in Engineering Technology and management.

IGDTUW provides various placement and internship opportunities for its students with the help of its exemplary team, making the recruitment process productive and positive for all the visiting companies. With an unprecedented increase in the number of companies that visit us every year, there's no doubt that out university is a placement hub providing quality students who are now placed in various National and Multinaional companies.

On this note, I warmly welcome all the recruiters to our university this placement seaso and hope that you become part of our extended community.

(Dr. (Mrs.) Anita Dev)

Prof. R. K. Singh
Registrar, IGDTUW

Indira Gandhi Delhi Technical
University for Women
Madarsa Road, Opp. St. James Church
Kashmere Gate, Delhi-110006

सत्यमेव जयते

MESSAGE

Indira Gandhi Delhi Technical University for Women, Delhi (IGDTUW) has evolved as one of the fastest emerging centres for excellence engaged in teaching and research fields of Engineering, Technology, Applied Sciences and Management. The university promotes inter-disciplinary education and research to enhance the professional and technical fervour and skill of the students to cater the needs of the industry. Students are not only exposed to well-defined academic programmes but also enhance their skill sets by participating in various industry sponsored projects. Students also actively participate in the various technical competitions which hones up their technical skills. This enables the students to be industry ready and I am sure they will come to the expectations of prospective recruiters.

In a very short span of time, IGDTUW has established its reputation as a quality education provider among student communities, industry and national and international academic fraternity. It is a preferred destination for aspiring women engineers across the country.

The campus placements at IGDTUW have always been remarkable. Our graduates and post-graduates have been selected by leading multinational corporations and research/academic institutions. All the recruiters have consistently appreciated the intellectual excellence and the creativity of the students of this university. The students really have made us proud!

I appreciate the efforts of our vibrant Training and Placement Cell who are in constant touch with industries for the training and placement of our students. I am sure our recruiters find our students very competent and they will be visiting us regularly. We look forward towards enduring and frutiful relationship with our esteemed recruiters.

(Prof. R. K. Singh)

Dr. Jasdeep Dhanoa
Training and Placement Officer (ICE),
IGDTUW

सत्यमेव जयते

MESSAGE

Indira Gandhi Delhi Technical University for Women has established itself among the most sought after universities for women in the country. Every year throngs of women join our campus to kick-start their career in the world of science and technology. Since its inception as the university, the graph of IGDTUW's progress is only going upwards and the reputation it has earned is monumental.

The same growth can be seen in the number of national and multinational companies visiting our campus every year. This growth is attributed towards our rigorous academics coupled with hands-on training to meet the industry standards and prepare our students for the competitive future. We deeply value our partnership with the industries and research-oriented firms that have placed us on the pedestal of excellence.

We are extremely proud of the intellectual and well-rounded women we deliver to various industries who handled themselves with much rationality and creativity. The benchmark we've set so far in terms of university's placement records makes us feel proud and propels us to work even harder. Therefore from the bench of Training & Placements Department, we'd like to warmly welcome all the Recruiters to our campus. We hope that this placement season is fruitful experience for your firm and an enriching one for us!

(Dr. Jasdeep Dhanoa)

Dr. N. R. Chauhan
Training and Placement Officer (MAE),
IGDTUW

MESSAGE

On the behalf of Department of Mechanical & Automation Engineering, Indira Gandhi Delhi Technical University for Women, I want to extend a warm welcome to the recruiters for this placement season. Every year, IGDTUW attracts several sharp minds and present to you dedicated, self-motivated and hardworking students. The university has also consistently shown great contribution to the industry as well as society and ranked as the top emerging technical university in India.

The unique curriculum has led to the development of various courses of technology as per interest of students. Apart from regular academics. the students are also engaged in various competitions and projects both at National and International levels like Shell Eco Marathon Asia, SAE Super Mileage Vehicle, Baja SAE India, Supra SAE, World Skill India, Smart India Hackathon, AWIM (A World In Motion) by Maruti Suzuki etc. throughout the year where our students have won various prestigious awards and recognition. The Dy. DM of Delhi, Shri Manish Sisodia and former CM of Delhi, Smt Sheila Dixit have also embraced the students of university with their blessings. We also have a number of workshops and laboratories for practical training of our students along with mandatory 2 months Summer Internship that gives them hands-on experience as per the industry. Eminent companies like M G Motors, Exxon Mobil, Bajaj Automobile, Fluor Daniel, Tata Motors, General Electric, General Motors, Honda, Microsoft have been our regular recruiters for full-time employment and internships.

I cordially invite the recruiters for this placement seasona nd hope that it turns out to be a worthwhile experience.

(Dr. N. R. Chauhan)

OUR VISION

OUR MISSION

Our vision is to make India a knowledge society and a knowledge economy by empowering the women of our country through education in engineering, science, architecture and technology. To become a leading technical university in the country known for its value based quality technical education compounded with industry relevant research and focus on environmental and social issues.

- To foster an environment of excellence professional education and ensure active participation of women in the field of Engineering, Science and Architecture, while striking out a work life balance.
- To start new professional courses for women in various disciplines and form alliances with industries so as to impart pertinent education.
- To liberate women through pursuit of knowledge and enable them to achieve equal status in the society and help them realise their rights and responsibilities.
- To develop a sustainable system and state of the infrastructure to enable Indian women to become future managers and productive team players in the field of Science, Technology and Management.

ABOUT US

HISTORY

Indira Gandhi Delhi Technical University for Women (IGDTUW) is a premiere institute for te women of the country. Over the years, we have made rapid strides towards excellence. Our commitment to flourishing opportunities for women has produced several executives, researchers, managers and leaders of the society. We provide a land of opportunities to all those women who are passionate about Science, Technology and Research. IGDTUW's mission to collaborate with industries and provide pertinent and practical education has produced professionals with profound intellect. Academic rigour compounded with industrial engagement throughout the year provides sound exposure to the engineers in making. Our ultimate motive is to bring forth young, passionate and dynamic women engineers. The institute has always believed in the growth of its students into responsible and accomplished women in all spheres of life.

Erstwhile Indira Gandhi Institute of Technology (IGIT) was established by Department of Training and Technical Education, Govt of Delhi, in 1998. From 2002-2013, the institute remained the first and the only constituent college of Guru Gobind Singh Indraprastha University. In May, 2013, it gained autonomy and became the first women's technical university in India.

Today, Indira Gandhi Delhi Technical University for Women is also South Asia's first women technical university and is ranked one in the list of emerging universities in India.

WHY IGDTUW?

77th position in the overall "WURI :Innovative Universities for 2020"

645th rank by uniRank 2020

19th position in overall rank & scores of Govt. colleges 2020 by INDIA TODAY

8th position as in category "**Colleges with best value for money**" by **India today** Survey(June, 2020)

145th in **NIRF** INDIA Ranking 2020

21st in the Special Category **"Entrepreneurship Spirit" WURI ranking, 2020.**

IGDTUW is one of the new entrants among the **Top 25 Engineering Colleges of India** by INDIA TODAY Survey, (June ,2020).

IGDTUW visible in **QS Ranking 2020**

IGDTUW visible in **Times Higher Education Ranking (THE)**

IGDTUW has been awarded with **QS I-GAUGE E-LEAD** (E- Learning Excellence For Academic Digitisation) Certificate.

10th position as in category "**Colleges with lowest course fee**" by **India today** Survey (June, 2020)

UNIVERSITY AT A GLANCE

We're here to assist you to build your career.

YEAR OF ESTABLISHMENT

NUMBER OF PROGRAMS

NUMBER OF TEACHING FAULTIES

NUMBER OF STUDENTS

NUMBER OF DEPARTMENTS

CULTURAL

- Spicmacay Chapter : Society for promotion of Indian Classical Music and Culture amongst youth.
- Synergy - Sports Society
- Rahnuma - Dramatics Society
- Hypnotics - Dance Society
- TedxIGDTUW
- Zena - Fashion Society
- Tarannum - Music Club
- Technolierati - Literary Club
- Prekshya - Photography Society
- Soch - Art Society

TECHNICAL

- Anveshan Foundation - Entrepreneurship Cell
- Codebenders
- IEEE - IGDTUW Chapter
- Aious formula student
- ACM IGDTUW
- OSA - Robotics Society
- Computer Society of India , IGDTUW Chapter
- Acoustic of Computer Machinery
- American Society of Mechanical Engineers - IGDTUW chapter
- Yantriki
- Mudra - Finance & Investment Society
- Samanvay - Economics Society
- Vartta

EXPAND YOUR HORIZON

"Broaden your skills with different societies and clubs of the University"

COMMUNITY

- Rotaract
- RiseAll Foundation
- Greensphere
- GirlUp Aadya
- LeanIn
- Instinct
- Enactus
- Project Meno-Organic
- Protégé - Mentorship Society
- Introspection - Mental Health Society

UNIVERSITY LIFE

# TAARANGANA

The Annual Cultural extravaganza of IGDTUW.

It is Delhi's top Cultural festival. Taarangana has successfully partnered with leading brands such as Maggi Fusion, MTV Beats,PepsiCo., Jio, ONGC, NTPC,Hero etc. Renowned artists have performed on the stage of taarangana like, Zakir Khan, Biswa Kalyan Rath, Darshan Raval, The Local Train, Rahul Dua, Abish Mathew

INNERVE
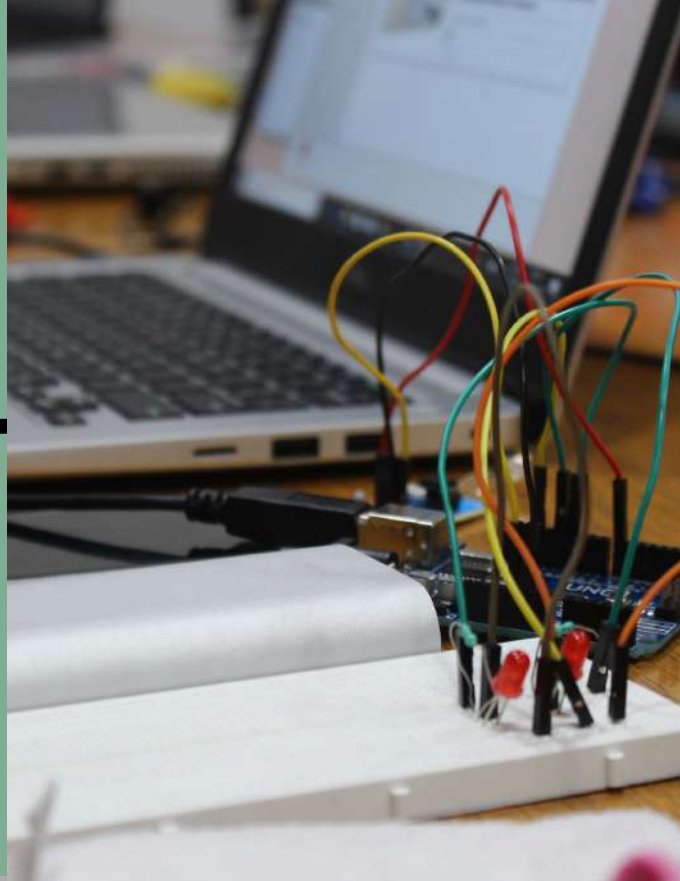
It is a platform for students to showcase their innovative flair and receive several cash prize and rewards. Each department individually host their technical workshops and contests to test students rational thinking in the area of expertise.
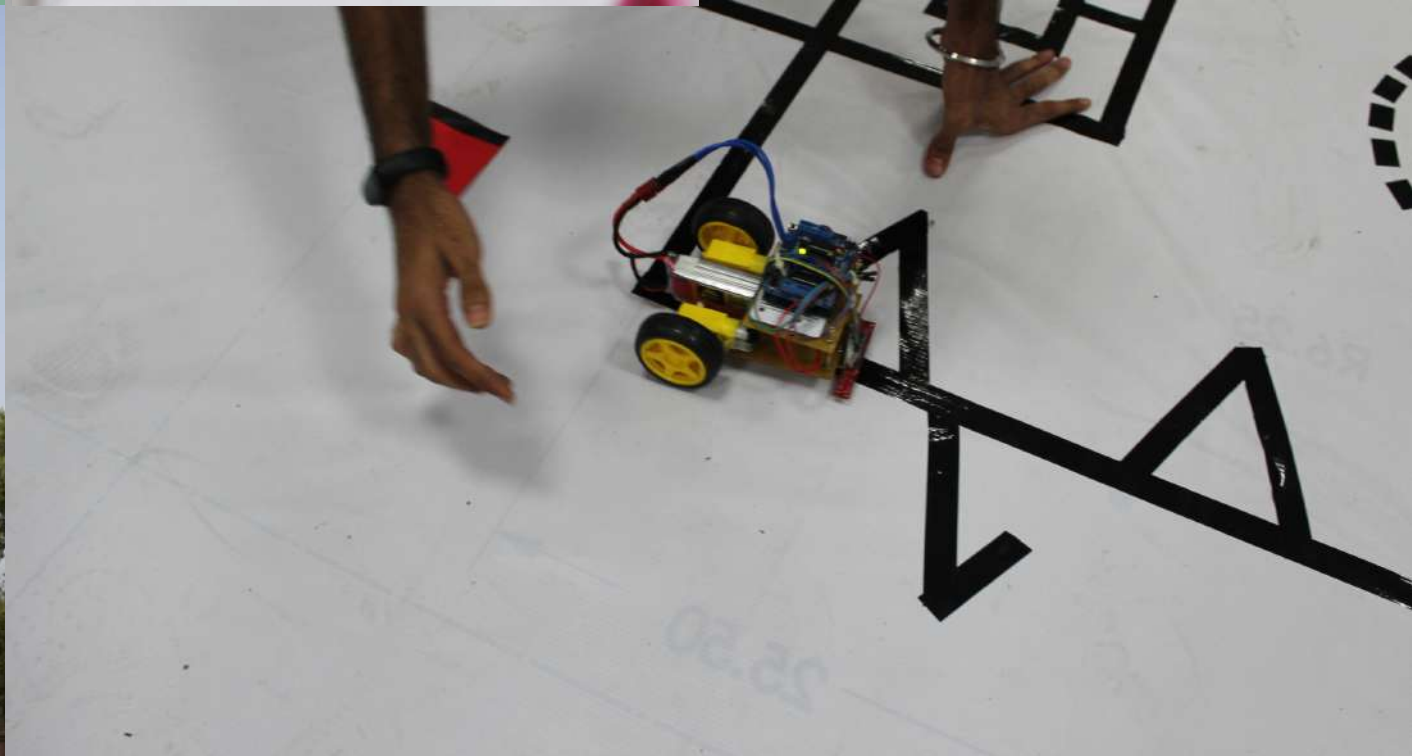
IGNITE

Annual Sports Festival of IGDTUW

Ignite is a sports extravaganza, the last edition was held at Jawaharlal Nehru Stadium, with events like Basketball, Table Tennis, Badminton, Volleyball and Athletics.

STUDENT SUPPORT SERVICES

MEDICAL SUPPORT
Nurse is available from
9:00 AM to 5:00 PM

LIBRARY FACILITIES
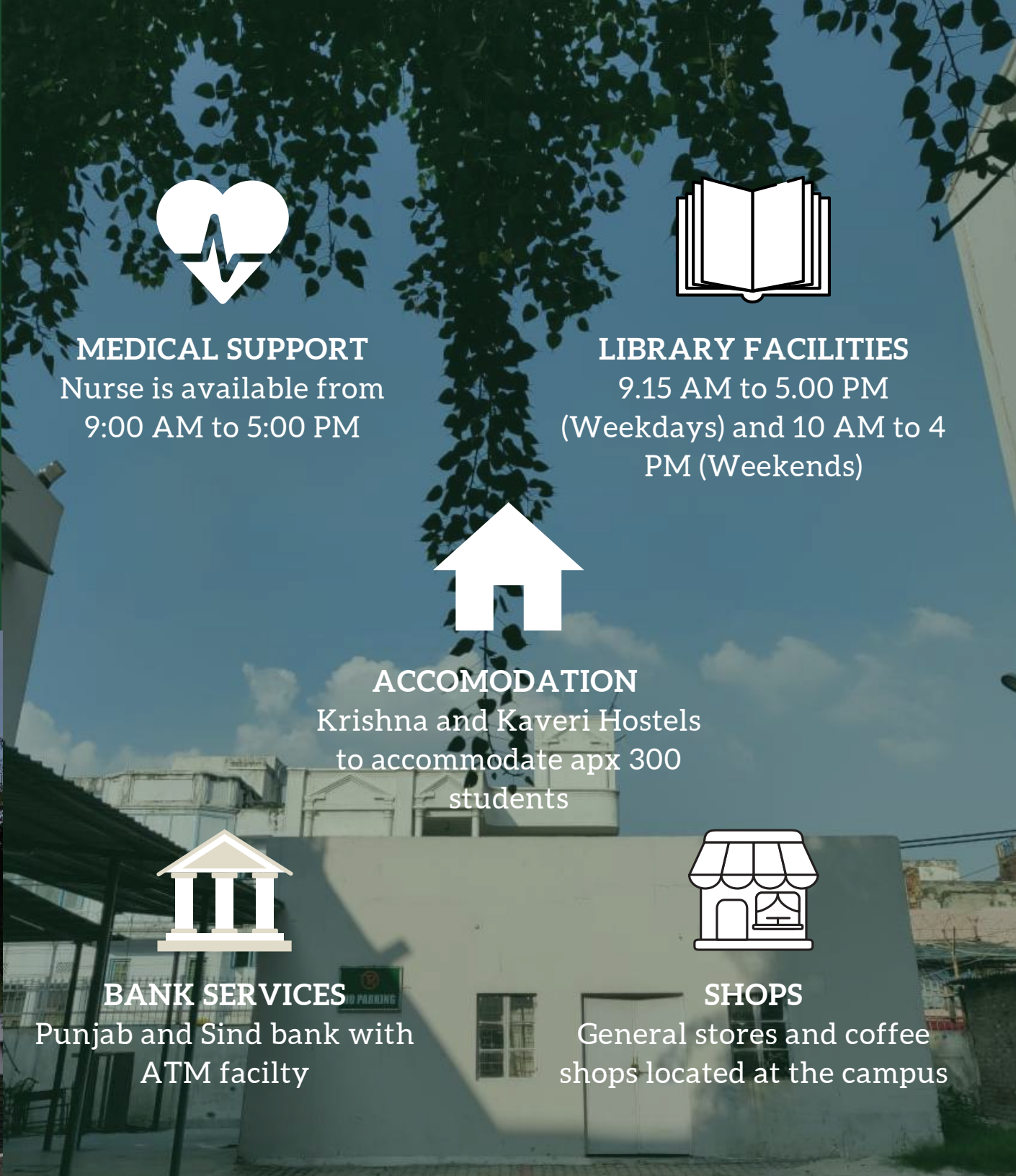9.15 AM to 5.00 PM
(Weekdays) and 10 AM to 4
PM (Weekends)

ACCOMODATION
Krishna and Kaveri Hostels
to accommodate apx 300
students

BANK SERVICES
Punjab and Sind bank with
ATM facilty

SHOPS
General stores and coffee
shops located at the campus

AREAS OF STUDY

"The whole purpose of education is to turn mirrors into windows"

Undergraduate students choose from 7 options (majors) and graduate students choose from 7 programs among 7 academic departments.

UNDERGRADUATE AND GRADUATE PROGRAMS

University offers
B.Tech , B.Arch , BBA , M.tech ,
MCA and MBA courses.

B.TECH COURSES

Computer Science and Engineering

Electronics and Communication Engineering

Information Technology

Mechanical and Automation Engineering

M.TECH COURSES

Information Security Management

Mobile and Pervasive Computing

Robotics and Automation

VLSI Design

A DEGREE DESIGNED FOR YOU

HOW DOES IT WORK?

Semester
The assessment is done semester wise. Each semester will have 15–18 weeks of academic work which is equal to 90 teaching days. There is flexibility in creating the curriculum and assigning credits based on the course content and hours of teaching.

Credit system
Each course is assigned a certain credit. When the student passes that course, he earns the credits which are based on that course. If a student passes a single course in a semester, he does not have to repeat that course later. The students can earn credits according to his pace.

Comprehensive continuous assessment
There is a continuous evaluation of the student not only by the teachers but also by the student himself.

Core Course
This is the course which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

Elective Course
Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill.

Foundation Course
The Foundation Courses may be of two kinds: Compulsory Foundation and Elective foundation. "Compulsory Foundation" courses are the courses based upon the content that leads to Knowledge enhancement. They are mandatory for all disciplines. Elective Foundation courses are value-based and are aimed at man-making education.

The CBCS provides choice for students to select from the prescribed courses (core, elective or minor or soft skill courses).

How is the credit counted?

One credit per semester is equal to one hour of teaching, which includes both lecture (L) or tutorial (T) or two hours of practical work/field work (P) per week. A study course can have only L component or only T or P component or combination of any two or all the three components. The total credits earned by a student for each semester is L+T+P.

GRADING

- **Grading:** UGC has introduced a 10-point grading system as follows:

O	Outstanding	10
A+	Excellent	9
A	VeryGood	8
B+	Good	7
B	AboveAverage	6
C	Average	5
P	Pass	4
F	Fail	0
Ab	Absent	0

The duration of the B.Tech program is a minimum of 4 years (8 semesters), during which students will need to earn 172 credits in order to be awarded with the degree.

Computer Science and Engineering

Electronics and Communication Engineering

Information Technology
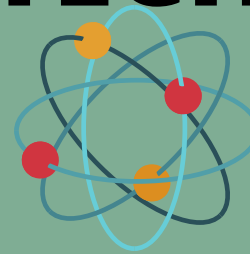
Mechanical and Automation Engineering

CSE

Computer Science & Engineering is an academic program at many universities which compromises scientific and engineering aspects of computing.

ECE

electronics and communications engineering utilizes nonlinear and active electrical components (such as semiconductor devices, especially transistors and diodes) to design electronic circuits, devices, integrated circuits and their systems. The discipline typically also designs passive electrical components, usually based on printed circuit boards.
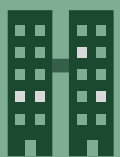
BACHELOR OF TECHNOLOGY

IT

Information Technology is an engineering division, which concentrates on the study of utilizing computers and telecommunications in order to control, gather, store and circulate information. Both software and hardware sectors are parts of Information Technology.

How to apply?

The student should have 60% or more marks in an aggregate of Physics, Chemistry and Mathematics and has passed English as a subject of study at the Senior School Certificate Examination Level (Core or Elective) AND having JEE Main Rank (Paper I). To apply the student has to participate in Joint Admission Counselling (JAC). For further details visit www.jacdelhi.nic.in

MAE

Mechanical and automation engineering mainly focuses on designing and manufacturing of machines. Engineers design and assemble engines and power plants, structures and vehicles of all sizes and deals with use of machines, control systems and information technologies.

The student should have 50% aggregate marks in Physics, Chemistry and Mathematics and also at least 50% in aggregate of the 10+2 level examination or has passed 10+3 Diploma Examination with Mathematics as compulsory subject with at least 50% marks in aggregate AND qualified JEE Main (Paper II) examination. To apply the student has to participate in Joint Admission Counselling (JAC). For further details visit www.jacdelhi.nic.in

Earning an MBA gives you valuable business acumen, expands your professional network, and creates new opportunities.

MASTERS IN BUSINESS ADMINISTRATION

The student should have graduated with minimum 60% marks in aggregate or equivalent CGPA from a recognized university/institution with Score in CAT 2019. The student has to apply through Common Management Admission Committee (CMAC). For further details visit www.cmac.admissions.nic.in
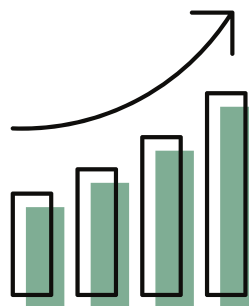
BACHELOR OF ARCHITECTURE

This course consists of various aspects of different streams of humanities, engineering, aesthetics, etc. The syllabus consists of various theory subjects, studio, project work, practical training, and research training. It is a five year course.

BACHELOR OF BUSINESS ADMINISTRATION

BBA syllabus aims to impart knowledge through practical experience in the form of - case studies, projects, presentations, industrial visits and interaction with experts from the industry. It is a three year course.

The student should have 50% Marks in 10+2 Examination from recognized board and have passed English (Core/Elective/Functional) as a subject. The student has to apply through Common Management Admission Committee (CMAC). For further details visit www.cmac.admissions.nic.in

M.Tech-CSE (Artificial Intelligence)

Minimum 60% or equivalent in. B. Tech. / B.E.in CS/IT/ECE or MCA or M. Sc. (Computer Science)/M.Sc. (IT) or equivalent from a recognized University

Minimum 60% or equiv. in B. Arch. or its equiv.; OR B.E/B. Tech. in Civil Engineering or equiv. OR B.Planning or B. Tech. (Planning) or equivalent

M.Plan (Urban Planning)

MCA

Bachelor's Degree of a recognized University in any discipline with at least 60% marks in aggregate and must also have passed Mathematics subject (core or elective or functional) at 10+2 level of the CBSE or any other examination recognized as equivalent thereto. OR BCA/BIT/BIS of a recognized University of at least three years duration with at least 60% marks in aggregate or any qualification recognized as equivalent thereto.

HOW TO APPLY?

Directly at IGDTUW https://igdtuw.in/IGDTUW_ADMISSION/login

M.Tech-IT (Information Security Management)

Minimum 60 % or equivalent in B.Tech/B.E. Degree in Computer Science/ Computer Engineering/Computer Science and Engineering/ Information Technology/ Electronics & Communication Engineering/ Software Engineering or equivalent from a recognized University. OR AMIE/AMIETE in relevant discipline. OR MCA/MSc.(Computer Science/IT) or M.Sc (Maths/ Statistics) with Computer/IT as a major subject.

M.Tech-Robotics and Automation

Minimum 60% or equivalent in B. Tech/B.E Degree in Computer Science/ Computer Engineering/ Instrumentation & Control/ Electronics & Communication Engineering/ Mechanical / Electrical/ Production/ Mechanical & Automation/ Industrial/ Automobile/ Information Technology/Computer Science and Engineering or equivalent from a recognized University OR AMIE/AMIETE in relevant discipline

Minimum 60% or equivalent in B. Tech./B.E. Degree in Electronics & Communication Engineering /Electronics & Electrical Engineering / Electrical Engineering / Electronics & Instrumentation Engineering / Electronics & Telecommunication Engineering /Computer Science Engineering /Information Technology/Information Science Engineering or equivalent from a recognized University. OR AMIE/ AMIETE in relevant discipline. OR M.Sc (Electronics/Physics with Electronics/ Informatics/ Computer Sciences)

M.Tech-ECE (VLSI Design)

Applied Science & Humanities
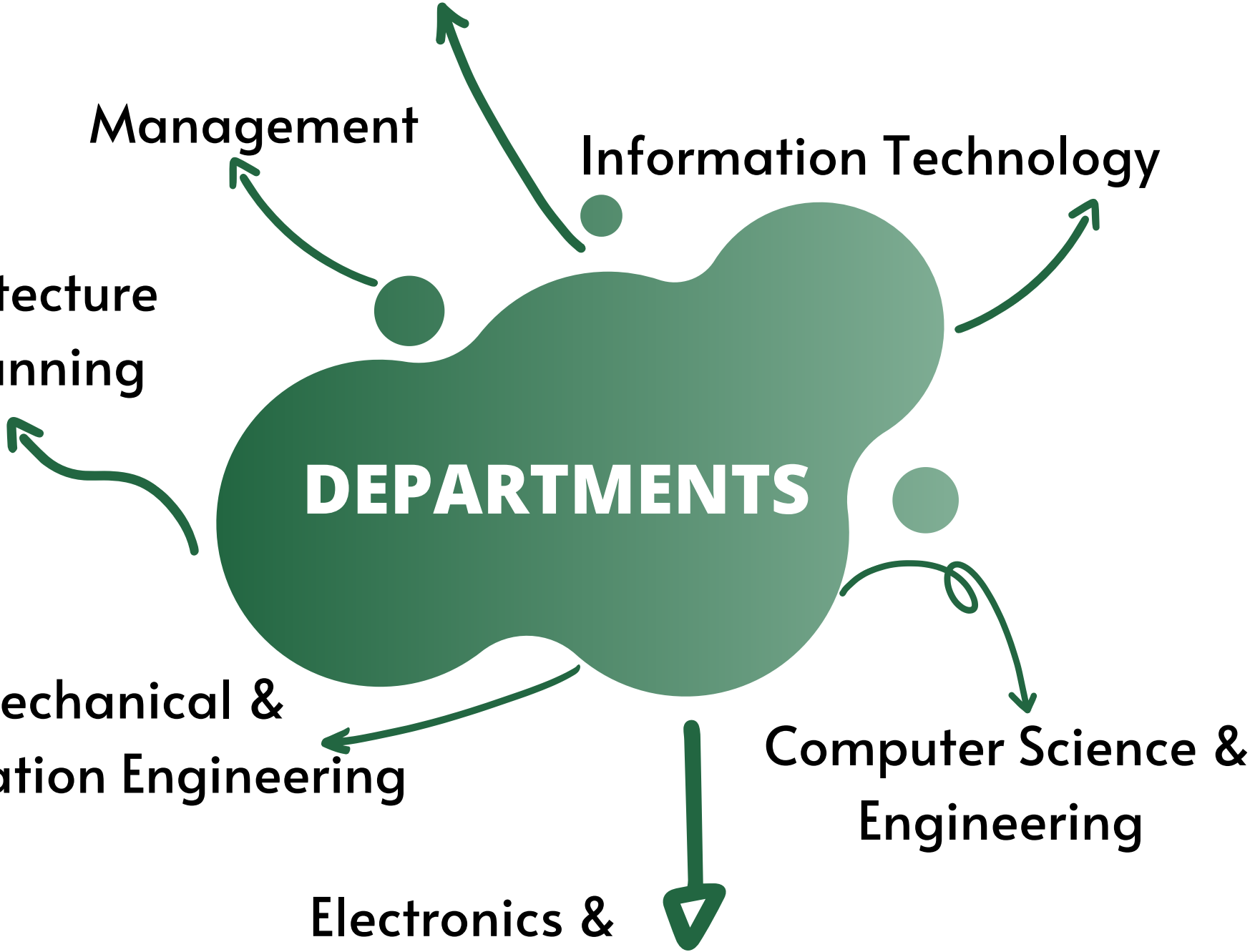
Management

Information Technology

Architecture
& Planning

DEPARTMENTS

Mechanical &
Automation Engineering

Computer Science &
Engineering

Electronics &
Communication Engineering

CSE

Programming Lab
DBMS Lab
Networking Lab
Embedded Systems
Design & mobile
Architecture Lab
IoT Lab
Cloud computing
research Lab

ECE

DCS & Microprocessor
Analog and Digital
Electronics Lab
Microwave and Radar
Engineering Lab
VLSI Lab
Embedded Systems Lab
Digital Signal Processing
Communication Lab

MAE

Workshop Practice
Manufacturing Processes
Engineering Graphics
Machine drawing & design
Strength of materials & fluid design
Material Science
Engineering Mechanics
Computer Aided Manufacturing
Automobile Engineering
Thermal Engineering Lab & IC
Engines
Engineering Measurement
Computer Aided Design
Manufacturing Technology
Refrigeration, Air conditioning &
Heat transfer
Mechatronics
Project Shop
KOM/DOM Lab
Machine shop Lab
Camd Lab
Robotics Lab
Metrology Lab
Metal Cutting & Tool
Design Lab

IT

Computer Centre
Software design Lab
Cyber Forensics
Information Security Lab
Distributed Computing
Internet of Things

LABS
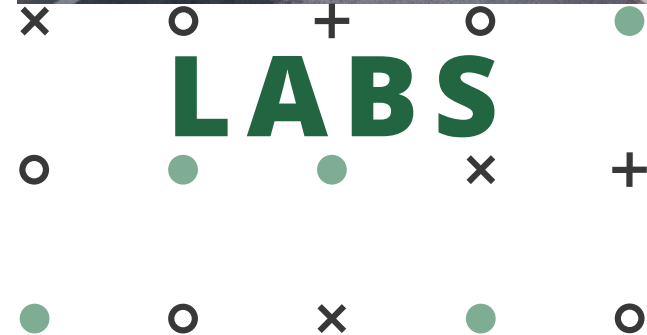
CAMPUS GUIDE

We offer a campus which is accessible, cover-able and memorable to say in the least.

IT Services

IGDTUW Campus has recently upgraded its IT Infrastructure through high-end intelligent CISCO switches, and possesses round the clock, 1 Gbps NKN leased line and a 100 Mbps MTNL leased line in a different OFC for the LAN wired & Wi -Fi connectivity for the academic, administrative and hostel blocks of the campus, with internet facilities on all the nodes through 10 Gbps LAN optical fibre connectivity. Around more than 700 Computers, 100 Printers, workstation server etc. are connected with Local area network which is being managed and maintained by Planning and Development Division. Availability of CCTV camera for suitable security and surveillance.

A WALK TO REMEMBER

1. **Krishna Hostel**
2. **Kaveri Hostel**
3. **Auditorium**
4. **Incubation Center (Avtaran)**
5. **CSE & ECE Department**
6. **Mechanical & Automation Department**
7. **Administration Block & Architecture Block**
8. **IT & Applied Science and Humanities Department**
9. **Learning Resource Center (Library)**
10. Ground
11. Bank
12. Guest House
13. Workshop
14. Center
A. General Store
B. Parking
C. Basketball Court
D. Nescafe
E. GCR
F. Knowledge Park
G. Photocopy shop
H. Tiwari Uncle's Shop

IGDTUW campus is a fully Wi -Fi enabled campus, all areas of campus are covered with Outdoor and Indoor wireless access points which are working 24×7 for providing seamless wireless internet connectivity to users through Security Firewall with authentication of every user in campus. Email IDs are given to every Faculty and student of IGDTUW.

Learning Resource Centre

Learning Resource Centre (LRC) is web based fully automated library serves as the premier source of academic information for the University community through its rich collection of textbooks, journals and reference materials.

The LRC has a focused collection of print, electronic, and audio- isual materials in the areas of science, engineering, technology, technical communication and management to support the learning and research activities of students and Faculty.

More than five thousand journals of following electronic resources: IEEE Digital Library, ACM Digital Library, ASME Journals, Science Direct, JSTOR India Collection, American Mathematical Society (AMS) Journals are available online to the members of the LRC in campus LAN.
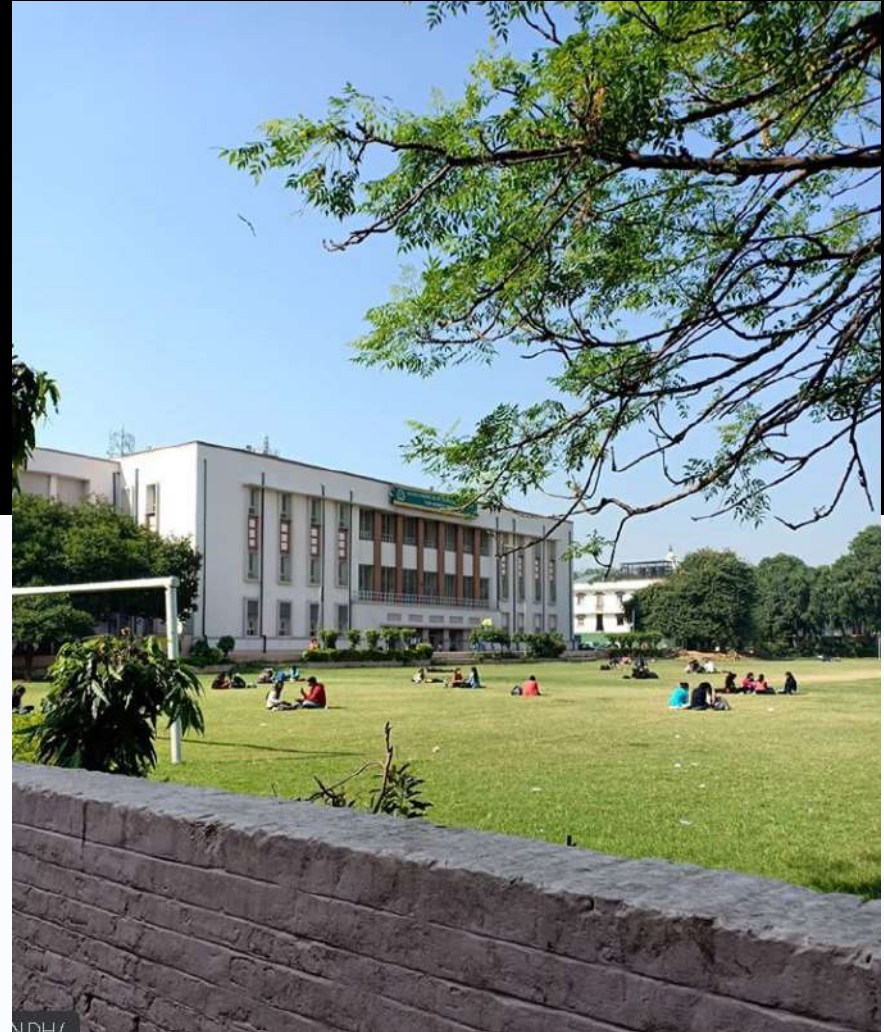
OPAC (Online Public Access Catalogue) is available at University's intranet. User may use OPAC to ascertain availability of material needed by them.

Users may log on to PAC to verify their circulation data, to reserve documents, to suggest a new document to be procured for the library. Library provided access to 4044 NPTEL Video Lectures of MAE, ECE, CSE and Architecture on the Campus LAN. IGDTUW is members of NDL (National Digital Library), to avail access to NDL to students, e-mail address of all the students uploaded on the NDL Portal maintained by IIT Kharagpur.

Also IGDTUW has been admitted as an Institutional member of DELNET- Developing Library Network.

Hostel Services

The University has two women hostels - Krishna Hostel and Kaveri Hostel, to accommodate approximately 350 students.

These two hostels are located on the University premises. The hostels provide a safe, secure and clean environment for the students to grow, learn and mature in a home away from home.

All rooms are on twin/triple sharing basis and are equipped with individual beds, chairs, built-in cupboards and study tables. In addition to this, IGDTUW Hostels provide purified drinking water (RO), housekeeping services, Wi-Fi facility, newspaper/magazines, TV, Washing machines, facilities of hot water for residents, paid laundry services etc.

The hostel authorities always facilitate to create an environment for the students to study, do well in their academics focus on their career and future.

The residents use the campus playground for games like Basketball, Badminton, Volleyball and skating. Indoor table-tennis court and badminton court also exists in the hostel premises for the residents. The hostel also has its own gymnasium for residents

The residents use the campus playground for games like Basketball, Badminton, Volleyball and skating. Indoor table-tennis court and badminton court also exists in the hostel premises for the residents. The hostel also has its own gymnasium for residents.

Students desirous of seeking hostel admission shall apply immediately after the completion of their admission process for IGDTUW. Students are required to produce the University admission fee receipt at the time of submission of application for the hostel admission.

The campus provides all the basic facilities required for a student.

Guests House

The guest house within the campus has limited accommodation for the staying purpose of individuals visiting campus. The rooms are comfortable with all modern facilities available within.

Bank

A branch of Punjab and Sind Bank is available in the University premises with ATM facility to enable students, Faculty and staff members to receive convenient banking and money withdrawal services.

Medical Facilities

The health services at the University are provided through the health centre located in the campus. The dispensary is equipped with over the counter medicines, bed to rest in, medical equipment, physical screening tools and first aid facility. The University has tie up with nearby Hospitals for emergency transfer.

Computer Center

The University has a centralized computing facility housed in the Computer Centre, which is equipped with the newly procured Computer Systems with a high end configuration. The ardware is configured to operate in a dual boot mode providing support for the latest version of two broad classes of operating systems, namely, Windows rofessional Edition and Linux based Ubuntu-with long term support.

WiFi

College provides a free connection of WiFi especially for students so that there is no obstacles in their projects or for that matter, management work.

Common Room (GCR)

This room can be used anytime for any purpose. But is mainly used for the purpose of anything the student body wants to organize; ranging from the auditions to events or meetings. It is a quite popular place during break or free time.

It is equipped with fitness equipment, yoga facility and indoor games.

Photocopy Shop

There is an in-campus shop for printing, photocopy, binding related work for our students so that they won't have to roam all around the city.

Canteen and Snacks Corner

The campus also includes a Snacks shop by our beloved Tiwari Uncle since 2001, a brand new Nescafe block and Mangat Ram Uncle's Ice Cream stand standing since 2001 too.

Common Ground

The campus has a huge grass field with a volleyball area. Also there is a separate Basketball court.

General Store

A cooperative General Store for day to day needs of the hostel residents is also available inside the campus.

We share our campus with Ambedkar University of Delhi (AUD). IGDTUW and AUD stand side by side sharing the common ground and Auditorium.
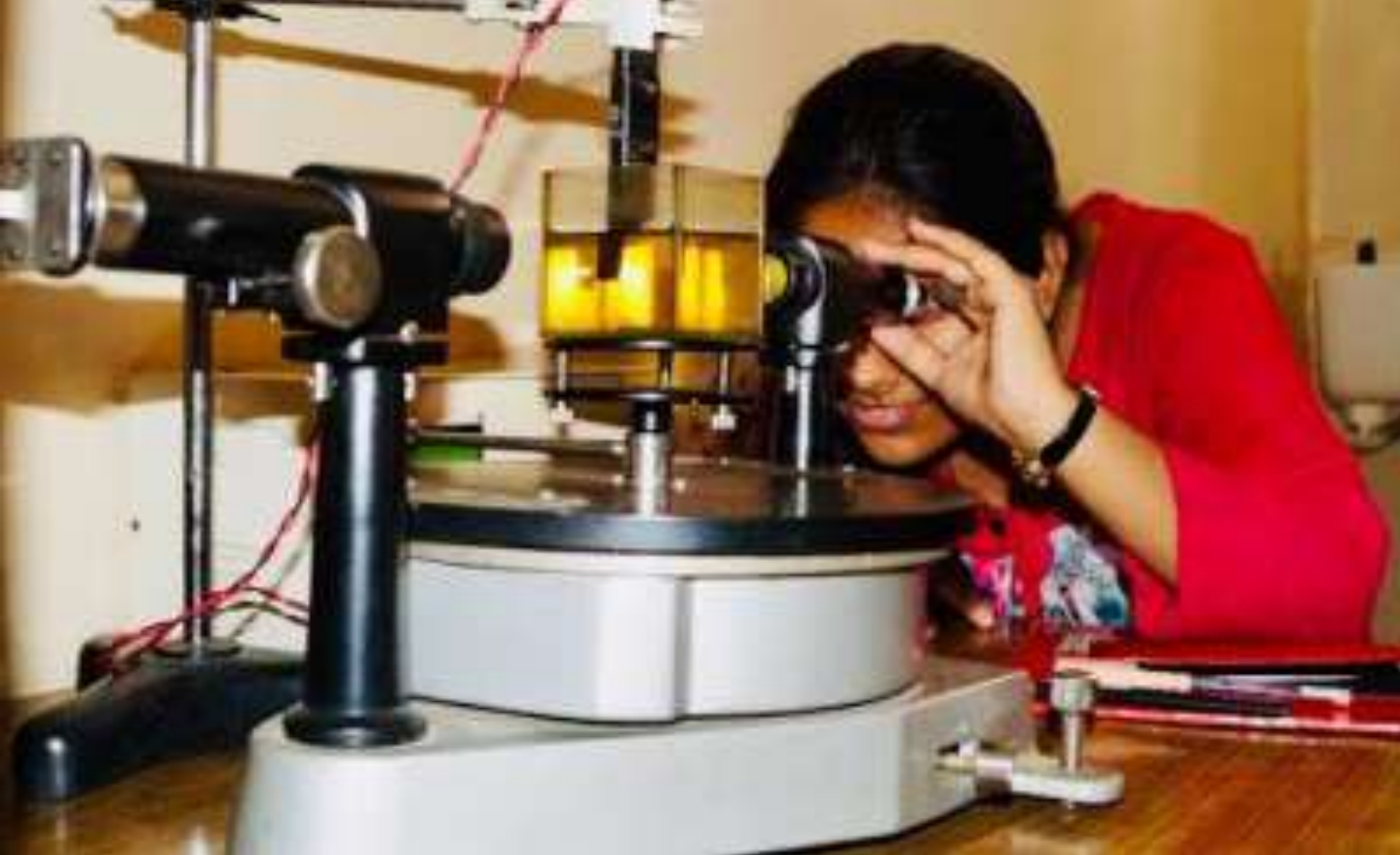
Department of Applied Sciences and Humanities

The Department imparts quality education in the area of Physics, Chemistry, Mathematics, Soft Skills & Communication and Management to the future technocrats of all streams. Strong engineering background supported with sound knowledge in basic and applied sciences equips graduates with many skills that would contribute to success in their careers in academia, research and industry.

Environmental Analysis and Research Lab
The lab is equipped for the measurement, processing and analysis of aerosols and organic pollutants in the ambient atmosphere. Research work is being carried out on emission estimates of organic compounds from biomass and fossil fuels, aerosols and volatile organic compounds in the atmosphere. Research is going on for the synthesis and characterization of a novel clay based Nano-composite with its application in water and waste water treatment for removal of trace metals. The synthesized material would be patented, for which the filing is under process. Work has also been undertaken on bioremediation of trace metals in the waste water.

Nanomaterials and Thin Films Lab
Research work is presently being undertaken in application oriented thrust areas of nanotechnology like gas sensing, graphene nanocomposites, solar cells, high-energy radiation detection and biosensors. Research work is being pursued on nanocomposites of graphene to evolve highly-selective room-temperature gas sensing materials. Low cost synthesis of bismuth tri-iodide composites is also being carried out for optimizing them for high-energy radiation sensing. Work is also being done in the field of solar cells with prime focus on NiO nanoparticles; fabrication of biosensors for various bioanalytes using nanostructured metal oxides; Nanomaterials and Conducting Polymer Composites for EMI Shielding, Biosensor and various other applications; Data Driven studies of Protein DNA interactions.

Digital Image and Speech Processing Lab
The lab is equipped with Image Processing software and equipment like Matrox Image processing library and Pinnacle studio plus. The laboratory has a panoramic imaging lens and a stereo camera along with range of lenses and other optical research instruments. Currently research work is being pursued in allied areas in digital image processing like aberration estimation and removal, reflection removal, determination of optical flow and neural networks.

Nanofabrication and Catalysis Lab
Presently research work is being undertaken on: i Fabrication and use of carbon based materials and metal oxide nanoparticles in
environmental remediation, Photocatalysis, antimicrobial activity studies, Biosensors etc ii Fabrication and use of Reduced Graphene oxide-Zinc oxide/Titanium Dioxide nanocomposites and their applications as photocatalysis and antimicrobial studies iii Graphene based smart nanomaterials, Quantum dots, Polymers and Graphene based smart adsorbents in nanocarrier based drug delivery system.

Department of Architecture and Planning

Architecture and Planning education is geared towards deepening awareness about environmental as well as social issues and realities. Besides imparting knowledge, there will also be an endeavor to create opportunities for students to engage with real life issues, so that they can reflect on their role in creating a better world.

Lab Infrastructure

CAD lab: The CAD Lab has 20 state-of-the-art computers with latest versions of software and operating system to develop skills of students in 2D and 3D drafting. The lab also has software to assist students in climatic analysis of building designs, modelling, designing and editing software like Revit 3D, GIS Mapping etc.

Survey lab: Survey lab is well equipped with various surveying instruments which are also regularly used for off-campus survey of the sites on which design problems are based in order to develop analytical skills of students.

Carpentry, Metal work workshop: The workshop is well equipped and students are regularly given demonstrations of various joinery and construction details in timber and metal work to build deeper and nuanced understanding of behaviour of materials.

Material Museum: The Department has a well-stocked material museum, to expose students to various dimensional and behavioural properties of materials, and also challenges of their use and installation on site.

Climatology Lab: The Department has established a climatology lab and is in the process of upgrading it as well. The tools of lab are extensively used for climatic analysis of both existing and new to-be constructed buildings, so that bio climatic comfort can be created in a cost effective way using passive design methods.

Resource Room: A resource room has also been established in the Department having various resources in both print and model form.

Department of Computer Science

The Department of Computer Science and Engineering was established in 1998. The Department offers B.Tech. in Computer Science and Engineering and M.Tech. CSE (Artificial Intelligence). The Department also started Ph.D. course in 2014.

The CSE Department has a talent pool of outstanding Faculty members, who, besides teaching, have been actively involved in various research and professional activities like, member of editorial boards of leading journals, running industry sponsored projects and transferring the technology developed in the lab to the industry. There have been numerous publications by Faculty members in International/National Journals/Conferences covering latest areas of research. Faculty keeps on participating as Keynote Speaker /experts on various professional platforms. Department works on the vision and mission of creating skilled manpower in all emerging areas of computer science especially in the area of Artificial Intelligence.

> **It has started a new course M.Tech. CSE (Artificial Intelligence), designed on CBCS Pattern. The B.Tech. Course is also completely revised as per CBCS scheme and now gives much flexibility to students to study the subjects of their choice.**

Lab Infrastructure

The Department has well equipped labs for practical and research work in the following domains:

1. Advanced Database and Mobile Database Systems
2. Software and Advanced Software Engineering
3. Advanced Computer Networking
4. Programming Labs on various platforms
5. Embedded System and Design
6. Computer Graphics and Multimedia
7. Network Security and Management
8. Mobile Architecture Programming
9. Artificial Intelligence

Department of Information Technology

Since its inception, the Department started a four-year B.Tech.(IT) course in 2010 and a three-year post graduate course in Computer Applications (MCA) in 2011 to nurture talent in the field of information technology through IT solution development.
The Department of Information Technology, founded in January 2010 is the fastest growing Department. The Department has shown incomparable innovation, research aptitude, intellectual talent, technical skills, and problem-solving skills through active participation of Faculty, research scholars and students at national and international level.

With information technology at the peak, there also comes a need of securing the IT environment, hence the Department launched a Postgraduate course in Information Security Management M.Tech.-ISM in 2013 (now renamed as MTech.- IT (ISM)) to provide knowledge base and work force with requisite expertise to cater to the needs of industry and information technology in enhancing the security dimension of IT and cyber world. To exemplify R&D activities, the Department started the Ph.D. course in 2014 and currently 16 research scholars are pursing the research work in the Department. Technical events like Espectro, Advaya have been successfully conducted by the Department under the aegis of ACM Society since 2011.

Lab Infrastructure
The Department boasts of a state-of-the-art, centrally air-conditioned Computer Centre with newly procured high-end configuration computing systems. In addition, there are Software Design Lab, Distributed Computing Lab and Information Security Lab to address the growing computing needs of the students at the Department. The labs are equipped with latest configuration computer systems to meet the computing needs of the students. Recently, the Department established a software development cell to cater the requirements of automation of various divisions of the University. The Department houses a library of its own to provide focused and concentrated access to the learning material in the field of Information Technology to its students, Faculty members and staff.

- **MoU with NASSCOM Foundation for thingQbator Lab**
  Signed a Memorandum of Understanding (MoU) with NASSCOM Foundation on 11th May, 2018 for starting "thingQbator" course of CISCO at IGDTUW. thingQbator is a CISCO funded course for the skill development of young people in India under its CSR Mandate. Under this course, a lab with latest IoT equipment including 3D printer, IoT Gateways, IoT Platforms, Development Boards, and various other kits has been established by NASSCOM Foundation at the University.

The course aims to provide a platform where University students could work together with like-minded colleagues, get exposure to the latest Internet of Things (IoT) technology - and turn their ideas into working prototypes in an environment that encourages a hands-on culture. The course is implemented by NASSCOM Foundation through its partners.

- **MoU with Cyber Peace Foundation**
  Signed an MoU with Cyber Peace Foundation (CPF) on 17th January, 2019 to promote research and development activities in the area of cyber security and forensics.

A Centre of Excellence on Cyber Security and Forensics will be established in the Department, where students and Faculty members will be involved in quality research work along with exposure on real life case studies.

- **MoU with IBM (I) Pvt. Ltd**
  Signed MoU with IBM (I) Private Ltd. for technical upgradation of the students and the Faculty members on latest technologies. Experts from IBM will mentor the students for their projects, internships and will conduct Workshops, Seminars and FDP time to time.
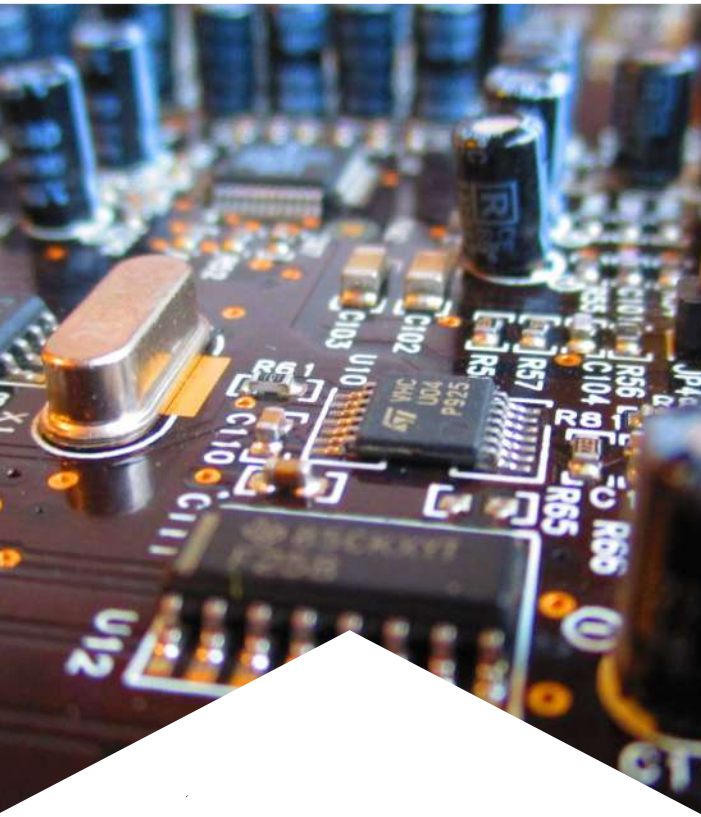
Department of Electronics and Communication

The Department of Electronics & Communication Engineering was established in the year 1998.

In the existing scenario of rapid and sophisticated development in the field of electronics and Communication and its allied fields, the Department's intent and focus has always been to produce globally competitive and socially sensitized engineering graduates and to bring out quality research in the emerging areas of Electronics and Communication Engineering. The Department is committed to provide quality and contemporary education in the domain of Electronics and Communication Engineering through latest curriculum, state-of the-art laboratory facilities, collaborative ventures with industries and effective teaching-learning practices. Considering the latest trends in industry and research, the Department has recently revised the Under Graduate curriculum to enhance the employability of students.

Lab Infrastructure
The Department has the following state-of-the-art laboratory facilities managed by Faculty coordinators and staff-in-charge:
· VLSI Design
· Digital Signal Processing
· Embedded System Design
· Communication System
· Analog Electronics
· Microwave and Radar Engineering
· Microprocessors & Microcontroller
· Digital Circuit & Systems
· Electrical Science & Control Engineering
· Mobile Communication
· Optical Communication

The labs are equipped with Desktops with latest operating systems. In addition to Licensed software - Cadence, Synopsys, Mentor Graphics, students and Faculty also work on Xilinx, Modelsim, Orcad software, FPGA kits, Microwind, and MATLAB, to name a few.

The Department offers a strong research orientation to students in the areas of Communication Systems, Signal & Image Processing, Embedded systems, Microelectronics and VLSI Design. The Faculty members, who besides teaching, are active in conducting research as evident from their list of publications in International/ National conference proceedings/Journals.

The Department has highly qualified and experienced Faculty and Staff Members. Faculty is actively involved in various research and professional activities along with dedicated teaching. All Faculty members have been contributing to research and development in form of patents and publications in reputed peer reviewed journals. A number of MNCs have been collaborating with Department and have contributed to Research & Development of Department. Every year meritorious students secure admission to the courses offered by the Department. Ph. D scholars have also received favourable response with various government research grants being sanctioned. Students and Faculty members have been actively participating in National and International Conferences and have research contributions in areas such as Design Engineering, Robotics, CAD/CAM/CIM, Mechatronics, Automation, Computational Engineering, Advance Manufacturing Systems, Automotive and IC Engines. Department has an active Student Chapter under the aegis of Society of Automotive Engineers (SAE) and American society of Mechanical Engineers (ASME). Students of MAE Department have been participating in many car design competitions such as Baja, Supra, Effi-cycle, Shell Eco Marathon, ISIE and have been bringing laurels to the University. Industrial Visits, Workshops, and Expert Lectures are regularly organized. and receive active student participation.

Lab Infrastructure
Department provides Laboratory infrastructure for the smooth conduct of practical sessions for the following:
• CAM Lab
• CAD Lab
• Robotics Lab
• Mechatronics Lab
• Engineering Measurement and Metrology Lab
• Machine Shop & Metal Cutting Tool Design Lab
• Engineering Graphics Lab
• Fluid Mechanics Lab
• Strength of Material Lab
• Automobile Engineering Lab
• Theory of Machines Lab
• Engineering Mechanics Lab
• Material Science Lab

• Refrigeration and Air conditioning Lab
• Thermal Engineering Lab
• Heat transfer Lab
• Central Workshop with following shops
a. Foundry
b. Welding
c. Sheet Metal
d. Fitting
e. Carpentry
• Project Shop.

Department of Mechanical and Automation

The Department of Mechanical & Automation Engineering was established in 1998. The Department offers B.Tech. in Techanical and Automation Engineering, 6 Year Dual Degree [B.Tech (MAE) + MBA], M.Tech (Robotics and Automation) and Ph.D. in different specializations of Mechanical and Automation Engineering.

Department of Management

University has started Department of Management under the Faculty of Business Studies in 2019.

The Department has the vision to be recognized globally as the destination for future leaders and become a center of excellence in management education by creating a knowledgeable society and promoting business and education. Also, we offer management education based on principles and ethical human values, directed towards the changing needs of the professionals, society, industry and Nation.

TWe aim to provide the aspiring women of India a learning environment to meet the challenges of changing environment and encourage them for continuous innovation and learning. We equip the young minds with skill-based practical business management knowledge and analytical skills and develop entrepreneurial capabilities to facilitate them in emerging as Business Leaders. The Department is currently running a BBA course and is launching a new two-year full-time MBA course starting from Academic Session 2020-21 in order to cater to the growing industry need for Management graduates, with technical background.

PLACEMENTS AT IGDTUW

A GLANCE VIEW

PLACEMENT STATISTICS

Number of recruiters

96

Pre-placement offers

50

Highest CTC

43.4 LPA

Internship offers

189

Full time offers

316

Average CTC
Highest CTC

(CTC in LPA)

	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-2020
Average CTC	4.7	5	5.5	5.65	6.25	6.96	10.3	13.33
Highest CTC	12	17	20	27	27	27	41.6	43.3

IGDTUW Placements 2018-19

|	
Number of Offers	555
Number of Recruiters	96
Highest CTC	43.3 LPA
Average CTC	13.33 LPA
Highest Stipend	160k per month
Average Stipend	47,513 per month
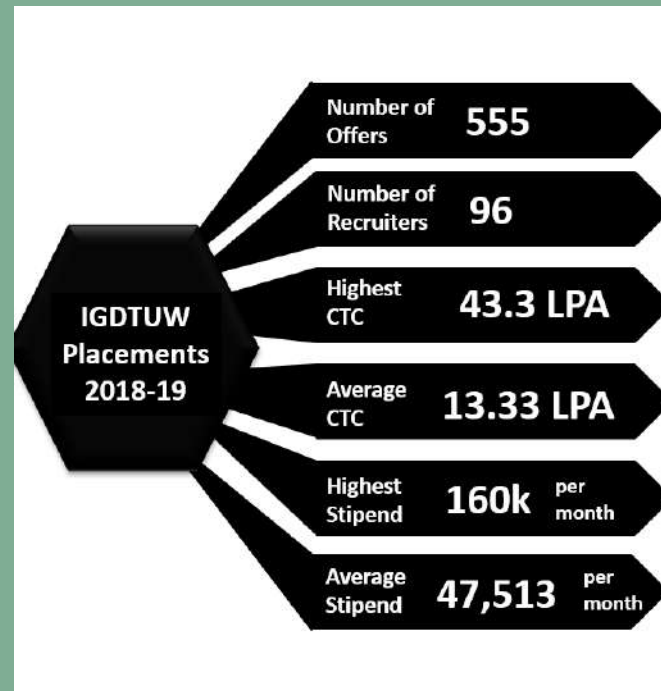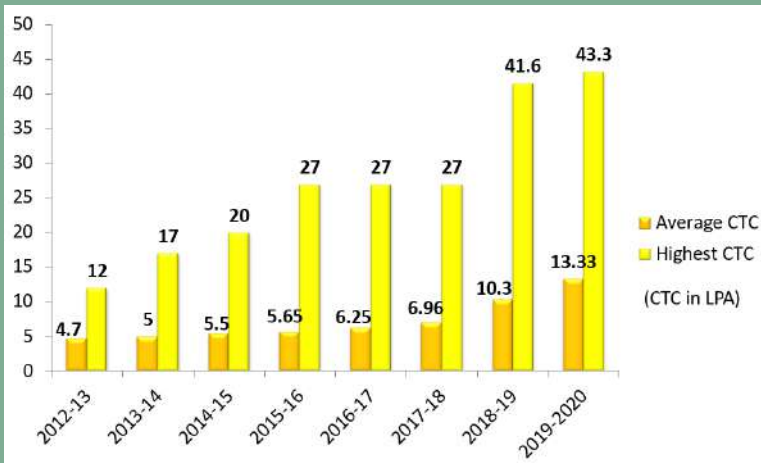
DEMOGRAPHICS

Program wise distribution

- B.Tech Cse 4th yr-140
- B.Tech Cse 3rd yr-157
- B.Tech IT 4th yr-71
- B.Tech IT 3rd yr-73
- B.Tech ECE 4th yr-60
- B.Tech ECE 3rd yr-65
- B.Tech MAE 4th yr-53
- B.Tech MAE 3rd yr-55
- M.Tech Final Year ISM-18
- M.Tech Final Year VLSI-11
- M.Tech Final Year RnA-4
- M.Tech Final Year AI-28
- MCA Final Year-55
- MCA Pre-Final Year-62
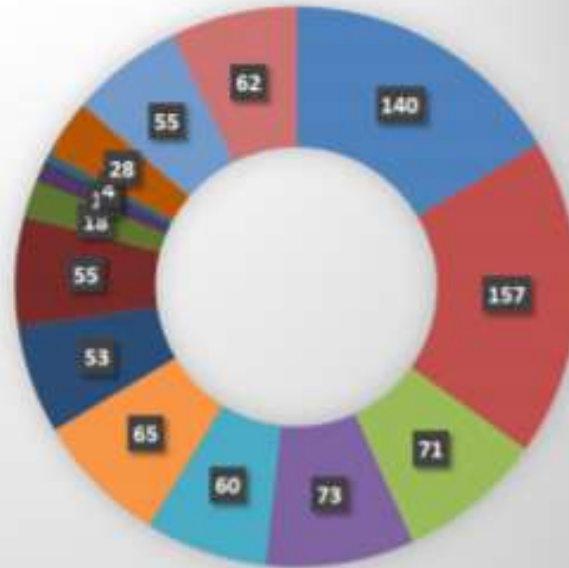
PLACEMENT

STATISTICS

MEET OUR PAST RECRUITERS

WHY HIRE FROM IGDTUW?

Hiring women from esteemed university like IGDTUW promises an improvement in the **GENDER RATIO** and the **QUALITY OF EMPLOYEES** at the firms.

Admission of students into the university happens through **JOINT COUNSELING** with other prestigious universities namely, DTU, NSUT and IIT-DELHI. Over the years, several top rankers have secures seats at IGDTUW.

Strong technical fervor and profound intellect of the students attract several **MULTINATIONAL COMPANIES** and startups every year during campus placements. Tech giants such as Microsoft, Adobe, Amazon etc have become leading recruiters from IGDTUW.

STRINGENT PLACEMENT POLICY at IGDTUW ensures a fine OFFER-ACCEPTANCE and JOINING RATIO at your firm.

Students of IGDTUW entirely manage and lead the annual cultural and technical fest, chapters of organisations like Lean In and IEE and social service clubs such as Rotaract. This cultivates **STRONG ORGANISATIONAL BEHAVIOUR** and **LEADERSHIP QUALITIES** in the students