



INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN (IGDTUW)

ISO 9001:2015 Certified

(Established by Govt. of Delhi vide Act 9 of 2012)

Education - Enlightenment - Empowerment



Admission Brochure 2020-21



Message from Vice Chancellor

I welcome all of you to IGDTUW.

“YOU EDUCATE A MAN; YOU EDUCATE A MAN.

YOU EDUCATE A WOMAN; YOU EDUCATE A GENERATION.” - Brigham Young

Education provides an important driver for the growth of any country. However, for our country it's of much more relevance if we can create gainful knowledge passing from one generation to another generation by educating our women. Vision of the University very appropriately goes in sync with these thoughts and I can proudly say that since its inception in 2013, IGDTUW has distinguished itself as the premier institution of higher education for women in India. The University located in the capital city of India, is a beacon of knowledge and has pioneered numerous novel initiatives of teaching-learning.

Despite its young age, IGDTUW is recognized as an integral part of Delhi's cosmopolitan vibrant space. We keep our motto *Aapo Dipo Bhava* ("Be a light unto yourself") at the heart of everything we do. We can make this University a unique one by generating new ideas that will benefit society and educate people. The University has introduced choice based credit system for allowing the students to explore themselves beyond their conventional degree courses.

With seven Departments, and a pool of almost 200 dedicated and talented teachers and staff members, the University is committed to offer exceptional educational opportunities across a wide range of courses and advanced curricula, avant-garde pedagogy, excellent infrastructure and comprehensive extracurricular activities. Here at IGDTUW, we offer our students a plethora of opportunities designed to either start their career or move their career forward while enabling the students to confidently explore new industries for career possibilities and consider opportunities that they may not be aware of. Our University not only aims to provide them theoretical knowledge but also provide them with a platform to find the entrepreneur in them with the help of our business incubator "Anveshan Foundation".

On behalf of the University Community, I invite the parents and students to explore our offerings in the pages that follow. I am assured that your being part of the student community of the University will enrich you, help you grow, enable you to make fair choices, and facilitate you to take up roles in life in a fulfilling manner not only for yourself but also for the humankind.

I look forward to your having a pleasant, healthy and fruitful association with IGDTUW.

**Dr. (Mrs.) Amita Dev
Vice Chancellor**

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University at a Glance

Indira Gandhi Delhi Technical University for Women [IGDTUW], Delhi was established by Delhi Government in May 2013 vide Delhi State Legislature Act 9,2012 in order to play a major role in the capacity building and imparting high quality Technical Education to Women of our Country.

The University offers B. Tech. in [CSE, IT, ECE and MAE], B.Tech (MAE) + MBA (Six years Dual Degree Course), B. Arch., M.Tech. in [CSE (AI), IT (ISM), ECE (VLSI), Robotics & Automation], M. Plan (Urban Planning), BBA, MBA, MCA and Ph.D. courses. In last seven years, the University has achieved a number of milestones and has been awarded the 2nd fastest growing University by India Today group. The placements of the students are excellent with top recruiters visiting the campus like Microsoft, Google, Amazon, Adobe, Goldman Sachs, Directi, Cisco, VISA, Intuit, Expedia, Hero Moto, Maruti Suzuki, Tata Power etc. and many more. In 2019-20, more than 80 companies have visited the campus and highest package of Rs.41.06 lakhs has been offered to the students.

The University is located in Center of Delhi at Kashmere Gate and IGDTUW has state of the art infrastructure comprising of modern well equipped Labs, fully Wi-Fi enabled campus, Computer Center, fully Automated Library, Auditorium, Multipurpose Hall, Conference Room, Seminar Room, Hostels, Sports Facilities etc.

The faculties at IGDTUW are well versed in research and have filed many patents and have collaborated with several renowned Institutions like IITs, CSIR, UGC, DST etc. in various Research Projects and Technologies. The University students have continuously participated in various National and International events, competitions including Hackathons and won various Awards / Prizes.

The University has seven Technical membership societies like ACM chapter, IEEE, OSA etc., fourteen institute level societies and four clubs related to various Technical, Art and Culture and Environment activities. The university also motivates students to become Entrepreneur through DST recognized IGDTUW - Anveshan Foundation.

University has signed several MoU with leading industries including NASSCOM Foundation, IBM, Cyberpeace Foundation, Fluor Daniel and several others for technical upgradation of students. It has also received research grant and project grant from various Government agencies. IGDTUW has been selected by QS I GUAGE for the award of E-LEAD INSTITUTE for E-learning Excellence for Academic Digitization. IGDTUW is the **first Government University/College in India** who is receiving this award.

For further details, please visit www.igdtuw.ac.in

A University envisioned, to impart high quality technical education to female students, provide them with world class facilities and nurture them with encouraging surroundings, has resulted in

the emergence of the prestigious Indira Gandhi Delhi Technical University for Women. The University is working towards gaining status of an internationally recognised Engineering institute under the guidance of **Hon'ble Vice Chancellor Dr. Amita Dev**. It is because of her vision that IGDTUW is seen as a young women Technical University with immense potential to be recognized as one of the pioneering academic institutions of the country in due course of time.

VISION

- To make India a Knowledge Society and Knowledge Economy by empowering the women of our country through education in Engineering, Science, Management and Technology.
- To become one of the top technical Universities in the country known for its value based, quality technical education supported with industry relevant research, with focus on environmental and social issues.

MISSION

- To foster an environment for excellence in professional education and ensure active participation of women in the field of Engineering, Science, Management and Technology, while striking out a work-life balance.
- To start new professional courses for women in sun-rise disciplines and forge alliances with industry to impart industry relevant education.
- To emancipate women through pursuit of knowledge enabling them to gain equal status in society through realization of their rights and responsibilities.
- To develop sustainable systems and state-of-the-art infrastructure to enable the Indian women to become the future Leaders, managers, Researchers and productive team players in the field of science, engineering, technology and management.

Awards and Accolades

A University or any organization is known not by the Brick and Mortar structure but by the people that guide, mentor, constitute and contribute to the aura of that institute ably through leading by example. We invite you to witness the journey of Accomplishments of our Hon'ble Vice Chancellor which is undoubtedly a great source of motivation and inspiration for all the members of the IGDTUW family.

Dr. Amita Dev is recognized as a renowned Academician and an able Administrator par excellence not only in India, but also abroad. She has been honoured with several prestigious Awards and Titles for her contribution to various streams of Academics and Administration. Some notable achievements of Dr. Amita Dev are as follows:

- She has been conferred with **National Level AICTE Young Teacher Career Award** with Research Grant for pursuing Advanced Research in the area of “Hindi Speech Recognition Using Connectionist Model”.
- National Level **Best Engineering Teacher Award from ISTE** for significant contribution in the field of Research and Technology.
- Raja Ram Babu Patil National Level Award by Indian Society for Technical Education.
- National Level **ECONS Education Excellence Award** for significant contribution in Education Excellence.

- **State Level Best Teacher Award** awarded by Govt of NCT of Delhi.
- **Vitiya Saksharta Abhiyan Award** on 08th March, 2017 by the Hon'ble Minister for HRD, Govt. of India for spreading Digital Literacy.

Various Courses offered in University

Undergraduate Courses

	Name of the Course	Specialization	Duration (Year)
1.	B.Tech.(CSE)	Computer Science & Engineering	4
2.	B.Tech.(ECE)	Electronics & Communication Engineering	4
3.	B.Tech.(MAE)	Mechanical & Automation Engineering	4
4.	B.Tech.(IT)	Information Technology	4
5.	B.Arch.	Architecture and Planning	5
6.	BBA	Management	3

Post Graduate Courses

	Name of the Course	Specialization	Duration (Year)
1.	M.Tech.-IT (ISM)	Information Security Management	2
2.	M.Tech.-CSE (AI)	Artificial Intelligence	2
3.	M.Tech.-ECE (VLSI)	VLSI Design	2
4.	M.Tech (Robotics and Automation)	Robotics and Automation	2
5.	MCA	Computer Applications	3
6.	M.Plan.	Urban Planning	2
7.	B. Tech. (Mechanical and Automation Engineering) + MBA (Dual Degree Course)	Mechanical and Automation Engineering & Management	6
8.	MBA	Business Administration	2

Ph.D. Course

Currently Ph.D. course is running in the streams of Electronics & Communication Engineering (ECE), Electrical Engineering, Information Technology (IT), Computer Application, Computer Science & Engineering (CSE), Mechanical & Automation Engineering (MAE) and Applied Sciences & English (ASH). To enable and nurture relevant research endeavours the University has bagged research grants from various external agencies. The researchers in the University,

both Faculty and students are involved in industry relevant research and consultancy in various areas of social relevance. The University is in the process of developing various advanced labs & centres, which would serve as the premier source of academic information for the University community through its rich collection of academic books, journals and documents with innovative technology and physical facilities.

Infrastructure

The University is located in the heart of Delhi at Kashmere Gate with the lush green campus which is spread over approximately 12 acres of land surrounded by a serene environment. Facilities provided in the University are unmatched and has state-of-the-art infrastructure comprising modern well-equipped Labs, fully Wi-Fi enabled campus, Digital classrooms, Computer Center, fully Automated Library, Auditorium, Multipurpose Hall, Conference Room, Seminar Room, Hostels, Sports Facilities. The University has installed CCTV for safety of students. With the installation of eco-friendly practices like solar panels, the University has been able to save 40% of the energy consumption. The campus has a vibrant feel with canteens, cafeterias and other recreational areas for holistic growth of students. With easy connectivity to vital public transportation hubs like metro station and bus terminal of Kashmere Gate the University is ideally located for easy, safe and effective commute for students, staff and Faculty members.

Research and Collaborations

University has signed several MoU with leading industries including NASSCOM Foundation, IBM, Cyberpeace Foundation, Fluor Daniel and several others for technical upgradation of students. The Faculty members at IGDTUW are well versed in research and have filed many patents and have collaborated with several renowned Institutions like IITs, CSIR, UGC, DST etc. in various Research Projects and Technologies. It has also received research grant and project grant from various Government agencies. They have presented and published quality Research Papers in the leading National and International Journals/Conferences. Many eminent Faculty members of IGDTUW were invited as Key-Note Speakers, Session-Chairpersons besides Reviewers for various leading Journals. IGDTUW has received a whopping grant of Rs.363 Lakhs from Department of Science and Technology for consolidation of University Research and Excellence.

Placements

The Training and Placement Department facilitates the Campus Drives and offers placement and internship utopia for our students. Retaining and revitalizing the past glory, the highly energetic And dynamic team of students and Faculty of the University has given our students an incredibly great platform to prove their skills and merit. Many of our students have been placed in renowned National and Multinational companies. We are honoured to have corporate giants like Google, Microsoft, Uber, Intuit, Goldman Sachs, American Express, Walmart, NetApp, Cisco, GE, Nestle, Siemens, Accenture, TCS, DELL, Qualcomm, Mahindra & Mahindra, Maruti , Honda, Bajaj Automobile, MG Motor, Tata Motors, Nestle, Eaton, HUL, Ather Energy, Honeywell,

Cameron, Fluor Daniel etc. visiting us annually and offering great opportunities to our students. The placement season for the batch 2019-20 started on a high note and more than 80 companies have visited the campus for about 277 Full Time Offers, 43 pre-placement Offers and more than 173 internship offers. The CTC of Rs.43.3 Lakhs from Microsoft IDC and internship package of Rs.1.5 Lakhs per month from Uber are the highest in each category. For the first time, Google made its presence on the campus and specially organised the “Kickstart” Roadshow especially for IGDTUW students.

It is a matter of stupendous pride that compared to the last year, there has been a rise in average CTC from 10.3 Lakhs per annum to 13.33 Lakhs per annum and a rise in the highest package from 41.6 Lakhs to 43.3 Lakhs.

Memberships and Social Initiatives

The University has established chapters with memberships available for seven Technical societies like ACM, IEEE, OSA etc., fourteen Institute level societies and four clubs related to various Technical, Art, Culture and Environment related activities. The University also motivates students to become Entrepreneur through DST recognized IGDTUW - Anveshan Foundation. IGDTUW believes in holistic development of students and shows acute concern in inculcating social responsibilities. In line with Unnat Bharat Abhiyan, IGDTUW has adopted five villages to spread digital literacy, health and sanitation awareness, etc. Since last year University is working for Vigyan Jyoti Project of DST with the mandate to promote and create awareness on STEM Education among the girl students. This Project has fetched an overwhelming response from Government Schools where students of Class 10th came for training during summer breaks and walked out confidently with a self-made working robot.



Courses Offered

**Ph.D. in Physics, Chemistry,
Mathematics and English**

“There does not exist a category of science to which one can give the name Applied Science. There is science and the applications of science, bound together as the fruit of the tree which bears it”- Louis Pasteur

A strong high-rise building can be built only on a strong foundation, which signifies the importance of the Department of Applied Sciences and Humanities. The vision of the Department is to become a centre of academic excellence for professional and higher education in Applied Sciences, Management, and Humanities along with a renowned research centre with cutting edge technologies and state-of-the-art infrastructure.

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.



Lab Infrastructure

The Department of Applied Sciences and Humanities has highly qualified Faculty known for their academic excellence and enthusiastic R&D in thrust areas leading to a large number of research publications in reputed international and national journals. The Department has undertaken several sponsored projects funded by CSIR, DST, UGC etc. There are currently twenty registered research scholars involved in active research for Ph.D. under different Faculty members of the Department. Ten students have successfully completed their Ph.D. under the guidance of Faculty supervisors in Chemistry and Physics. The Department has well equipped laboratories with the latest equipment to support teaching and research activities for Undergraduate, Post Graduate and Doctoral courses.

The Department provides cutting edge research, innovation and education in emerging areas of Science and Technology. The Department presently has four research labs:

- **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 synthesised 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.

Research work in Applied Mathematics is being pursued on following problems:

1. To find the efficiency of various airlines of Indian aviation industry using Data Envelopment Analysis.
2. To find the optimal solution of various allocation problems viz., Fixed charge Bulk transportation problem, Interval Programming problem and Bi-level transportation problem, promoting a sustainable environment-friendly practice for disposing wastes and minimizing pollution.
3. Various Multi-objective transportation problems.
4. Fuzzy two-person zero-sum matrix games with multiple objectives to establish the solution procedure for two person zero sum game with intuitionistic 2-tuple linguistic information (I2TLI).

Research work in English is being pursued on following areas: Currently research in the discipline of English Literature and Communication is being carried out on topics related to South Asian Literature, Feminism and Partition Studies. Interested students are welcome to explore research opportunities in the above areas along with topics related to the area of Indian Diaspora, Indian Regional Literature and Communication Studies.

Research Projects Completed/On-Going

- **“Spatio-Temporal Variability of Aerosols over National Capital Region (NCR), India”**, funded by DST, New Delhi, Total Sanctioned Amount: Rs.53 lakhs.
Principal Investigator: **Dr. Ranu Gadi**

- **“Estimates of Indoor Air Pollutants Emitted from fuels used in residential sector of Northern India”**, funded by CSIR, New Delhi , Total Sanctioned Amount:Rs.18 lakhs.
Principal Investigator: **Dr. Ranu Gadi**

- **“Investigation on Optical Properties of Si-ZnONanocomposites”** funded by UGC, New Delhi, Total Sanctioned Amount: Rs.8.5 lakhs.
Principal Investigator: **Dr. Chhaya Ravikant**

- **“Study of surface plasmons in nanocomposite thin films”** Co-Principal Investigator DST Nanomission, funded by DST Rs.12.80 Lakhs Principal Investigator: **Dr. Chhaya Ravikant**

- **“Multi-aperture Imaging”**, funded by DST, New Delhi, Total Sanctioned Amount: Rs.05 lakhs. Principal Investigator: **Dr. Dinesh Ganotra**
- **“Panoramic Imaging”**, funded by UGC New Delhi, Total Sanctioned Amount: Rs.05 lakhs. Principal Investigator: **Dr. Dinesh Ganotra**
- **“Fabrication And Application Of Polymeric Nanoshots As Drug Delivery Agent For Cancer Imaging And Therapy”** Funded by DST, Total Sanctioned Amount: Rs.25 Lakhs. Principal Investigator: **Dr. Nenavath Bhavani.**

Research Collaborations

- **Megacity Delhi Atmospheric Emission Quantification, Assessment and Impacts (Delhi Flux)**

This project is under Indo-UK. partnership to facilitate cooperation between the United Kingdom and Indian Earth System Science and Environmental Research Communities. Project is a part of Ministry of Earth Sciences (MOES) and Natural Environment Research Council of the UK. (NERC) regarding Implementation agreement on Atmospheric Pollution and Human Health in an Indian Megacity (APHH). **Dr Ranu Gadi** is an **official Collaborator** of the project.



Dr. Chhaya Ravikant

Associate Professor, Dy. Dean (Research & Consultancy) & Head

Qualification: Ph.D. (Physics) Delhi University,
M.S. (Software Systems), BITS Pilani

Areas of Specialization: Nanomaterials and Nanotechnology, Material Sciences and Thin Film Technologies, Plasma, Processing of Materials.



Dr. Ranu Gadi

Associate Professor, Dy. Dean (Industrial Research & Development) Chief Warden (Hostels)

Qualification: Ph.D. (Chemistry) IIT Roorkee,
Post-Doctoral Fellowship (Environmental Sciences) Lancaster University, U.K.

Areas of Specialization Atmospheric Chemistry and Climate Change, Biomass emissions, Characterization of atmospheric aerosols (elemental, organics, carbonaceous, metals), Environmental Analytical Chemistry, Speciation and Bioremediation of priority pollutants in water/wastewater



Dr. Shalini Arora

Associate Professor

Qualification: Ph.D. (Mathematics) IIT Delhi; M.Sc. (Mathematics), IIT Delhi

Areas of Specialization Mathematical Programming, Allocation Problems, Combinatorial optimization



Dr. Dinesh Ganotra

Assistant Professor

Qualification: Ph.D. (Physics) IIT Delhi , Post -Doc from University of Arizona

Areas of Specialization: Applied Optics, Digital Image Processing, Optical Information Processing, Panoramic and 3-D Imaging



Dr. Geeta Sachdev

Assistant Professor

Qualification: Ph.D. (Mathematics) IIT Roorkee; M.Sc. (Mathematics) IIT Roorkee

Areas of Specialization: Mathematical Programming, Nonlinear Programming



Dr. Bhavya

Assistant Professor

Qualification: Ph.D. (English Literature) University of Allahabad

Areas of Specialization: Business Communication, Soft Skills, Diaspora Literature



Dr. Bhavani Prasad

Assistant Professor

Qualification: Post Doctoral Fellowship Zhejiang University, China
Ph. D. (Chemistry) IIT Roorkee.

Areas of Specialization: Materials Science, Nanotechnology and Biotechnology



Dr. Surender Kumar Sharma

Assistant Professor

Qualification: Ph.D. (Physics) University Delhi,
M.Tech. (Engineering Physics) GGSIPU, M.Sc. Physics, University of Delhi

Areas of Specialization: Conducting Polymer Composites, EMI Shielding Thin Films, Biosensors, Machine Learning and Big Data

Department of Architecture and Planning



Courses Offered

B. Arch- 5 Years

M.Plan. (Urban Planning)-2 Years

The Department of Architecture and Planning commenced imparting B.Arch. course in 2015. The admission of the students is through JEE Main (Paper 2) exam. In a short span of time the Department has taken great strides in establishing a quality teaching learning environment. The course has been approved by the Council of Architecture.

The Department of Architecture and Planning of Indira Gandhi Delhi Technical University for Women also offers a 2-years Post Graduate course in M.Plan. (Urban Planning). Its curriculum and pedagogy focuses on playing a transformative force for a more inclusive, humane, responsive and sustainable Urban Planning through cultivation of creativity, critical thinking, compassion, and collaborative working culture.

The Department has at present seven highly qualified Faculty members. All Faculty members are Post Graduates from eminent Universities in India and abroad in architecture and allied fields like planning, industrial design, landscape architecture, construction management, etc. Besides regular Faculty the Department also has outstanding and experienced visiting Faculty.

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.



Besides proven academic credentials, the young and dynamic Faculty is also actively engaged in research in diverse fields including sustainable architecture, sustainable urban development, healthcare architecture, architectural pedagogy, human computer interface, advanced construction management, energy efficient design and user centric inclusive built environments. All the Faculty members have rich field experience too and have been involved in building projects at pan Indian level. The Faculty has authored books, which have been published by premier organizations like UNICEF and World Bank. The papers written by Faculty are regularly published in architectural journals and various reputed conference proceedings. Regular tours to various construction sites, or sites with exemplar-built environments are an integral part of the pedagogy. New experimentations in architectural pedagogy are continuously explored. The Department strives to provide students with a rich learning experience by conducting hands-on workshops, lectures and seminars on a wide range of topics. Students are encouraged to participate in architectural events with rich support and guidance of Faculty. Students are also encouraged to participate in extracurricular activities.

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.

M.Plan. (Urban Planning)

IGDTUW is committed to higher professional education of aspiring women Urban Planners who would lead the sustainable urban development in our nation. The Department of Architecture and Planning, IGDTUW has been dedicatedly working towards achieving this goal by providing real world exposure to the students.

Course Pedagogy

An educational trip to Pataudi, Haryana was conducted to introduce students to the dynamics of various components of a city. The students, along with Faculty, studied the city in terms of its present problems and issues and projected a futuristic vision for an Outline Development Plan (ODP). During the visit, students enthusiastically interacted with the locals and government officials at various levels to analyse the ground reality.



Students' discussion with the Faculty and officials at the Pataudi Municipal Committee



Students and Faculty interacting with the women self-help group members at Pataudi



Students discussing the course of action at Pataudi



Students and Faculty exploring the urban character of Pataudi

Collaborations and Projects

The University is continuously striving hard not to keep students closed in the classrooms but to educate them through involvement in real life projects, along with decision makers at highest level in government. IGDTUW is actively working for engagement with various civic bodies in Delhi like South Delhi Municipal Corporation (SDMC), North Delhi Municipal Corporation (NDMC) and East Delhi Municipal Corporation (EDMC) to ensure that the students get multiple and diverse project opportunities and develop a nuanced understanding of role as responsive urban planners.

IGDTUW has recently signed an MoU with SDMC, NDMC and EDMC in the office of Hon'ble Lieutenant Governor of Delhi. As per MoU, the students of M.Plan. Course of IGDTUW are assisting SDMC on ongoing/pipeline projects of SDMC of diverse nature including area planning, capacity building of stakeholders, GIS mapping and analysis, media outreach, heritage management planning etc. The students have successfully been involved in one such project being undertaken by SDMC, the Parking Management Area Plan (PMAP) at Malviya Nagar, Delhi. During the course of this project, the students got several opportunities to interact with the SDMC officials through the meetings held in the office of SDMC as well as in the IGDTUW campus. Senior SDMC officials also visited the classroom of M.Plan. to guide the students for the project. A vigorous process including various secondary studies and frequent site visits and surveys for analysis of ground level situation was undertaken. The students have been widely using GIS technology for mapping and analysis of various activities.

The efforts and work produced by the IGDTUW students is highly appreciated and acknowledged by the SDMC officials. Following the success of PMAP, the University is now actively working to collaborate with North Delhi Municipal Corporation and New Delhi Municipal Council as knowledge partners, with a vision of synergistic partnership of academia and civic bodies for city development.



Signing of MoU with three Delhi Municipal Corporations in the D/o Hon'ble LG of Delhi.



Ar. Vishal Rai

Associate Professor and Head of Department

Qualification: M. Plan. (SPA, Delhi), B.Arch. (MNIT, Jaipur)

Area of Specialization: Sustainable Urban development, Transport and Land Use Planning.



Dr. Preeti Vajpeyi

Associate Professor

Qualification: Ph.D. (SPA Delhi), M.Plan.(SPA, Delhi), B.Arch. (MANIT, Bhopal)

Areas of Specialization: Built environment as Pedagogical Resource, Sustainable Architecture, Responsive Architecture



Ar. Preeti Chauhan

Associate Professor

Qualification: M.Sc.- Planning (South Bank University, London), M.Plan.-Town Planning (ITPI, New Delhi), B.Arch. (GCA, Lucknow University) Pursuing Ph.D. From Jamia Millia Islamia University.

Area of Specialization: Healthcare Planning and Design, Evidence Based Design Techniques, Therapeutic Environmental Design in Hospitals, Product and Furniture Design, Sustainable Architecture, Town Planning, Interpersonal and Presentation skills



Ar. Sneha Maji

Assistant Professor

Qualification: M.Des. in Industrial Design (Indian Institute of Technology, Delhi), B.Arch. (SPA, Delhi)

Areas of Specialization: Industrial Design, Product Design, Human Computer Interaction (HCI), Graphics and New Media design, Architecture Design Thinking, Architecture Adaptive Re-Use, UX/UI Design , Responsive Architecture



Ar. Venus Kashyap

Assistant Professor

Qualification: M.Arch. from Indian Institute of Technology Roorkee, B.Arch. from Chandigarh College of Architecture

Areas of Specialization: Energy efficient Building Design, Sustainable Urban Development, Biophilic design, Responsive Architecture.



Ar. Jahnabi Kalita

Assistant Professor

Qualification: Master of Landscape Architecture from CEPT University, Ahmedabad, B.Arch. from RTM Nagpur University

Area of Specialization: Landscape Architecture



Ar. Kshitij Kumar Sinha

Assistant Professor

Qualification: PG in Advanced Construction Management (ACM) from National Institute of Construction Management & Research (NICMAR), Pune, B.Arch. (MITS), Gwalior

Area of Specialization: Advanced Construction Management, Real Estate Management, Design Management, Project Coordination



Courses Offered

B. Tech. (CSE) -4 Years
M.Tech. -CSE (AI) -2 Years
Ph.D.

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.



The Department has completed sponsored research projects from NOKIA and Information Technology Research Academy (ITRA), Ministry of Human Resource and Development (MHRD) in collaboration with IIT-Delhi and IIIT-Delhi and presently having sponsored research projects from Microsoft, Intel and MHRD-DIS. The Department also received several equipment grants from ARM, Atmel, Microsoft, Intel, Texas Instruments etc. The Department has developed a practical teaching and learning environment that provides comprehensive set of tutorials, projects and experiments, catering to the needs of students and society by making use of modern computing platforms and making it available to the students. The Faculty members & Students of the Department are actively engaged in collaborative research projects funded by MNCs. The Department has two main Research Groups namely, AI group and IOT group, to conduct research work and projects in collaboration with Industry and Premier Institutes and to provide practical knowledge to students.

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

Technology Transferred

My Smart Phone Kit

Sponsored by Microsoft Mobile University Relations (Nokia University Relations) and in Association with MHRD (DIC & ITRA)] is designed to be used for M.Tech., B.Tech., MCA, BCA, Diploma courses of CSE/IT/ECE/EEE as a practical experimental setup for various courses. Patented Technology is transferred currently to one manufacturer named M/s. Trinity Microsystems Pvt. Ltd. Delhi.

ETI Lab Start-up

One Ph. D Scholar of the Department and senior Faculty Prof. S. R. N. Reddy has started a start-up sponsored by IGDTUW-*Anveshan* Foundation to encourage the entrepreneurship, leadership and management skills in youth.

On-going Projects

1. **Design & Innovation Center**
Principal Investigator: Prof. P.V.M. Rao (IIT Delhi)
Co-Principal Investigator: Prof. S.R.N. Reddy
Grant Agency: MHRD
Year of Sanction: 2014-20 .
Duration: 6 years and Total sanctioned amount: Rs 26 Lakhs
2. **Intel IoT Center for excellence**
Principal Investigator: Prof. S.R.N. Reddy

Grant Agency: Intel (India)
Year of Sanction: 2014-17
Duration: 3 years and Total sanctioned amount: Rs 2.25 Lakhs

3. **Intel Real Sense**

Principal Investigator: Prof. S.R.N. Reddy
Grant Agency: Intel (India)
Year of Sanction: 2015
Duration: 2 years and Total sanctioned amount : Rs 4 Lakhs

4. **Mobile Education Kit-3**

Principal Investigator: Prof. S.R.N. Reddy
Grant Agency: Microsoft University Relation, Finland
Year of Sanction: 2015-20
Duration: 5 years and Total sanctioned: Amount: Rs 23.40 Lakhs

5. **Detection of life threatening diseases by examining the human genome in Microarray data using distributed implementation of algorithms.**

Principal Investigator: Prof. Devendra K. Tayal
Grant Agency: Department of Science & Technology
Year of Sanction: 2019
Duration: 3 years and Total sanctioned amount: Rs 39.50 Lakhs

M.Tech. CSE (Artificial Intelligence)

The Department of Computer Science & Engineering started the M.Tech. in Computer Science & Engineering (Artificial Intelligence) in 2019 with the objective to create more skilled manpower in the area of Artificial Intelligence. This course is designed as per the Choice Based Credit System (CBCS) scheme that gives much flexibility to students to study the subjects of their choice. The course includes core courses in soft Computing, Machine Learning, Neural Networks, Deep Learning etc and elective courses on various trending areas like IoT, Speech processing, Knowledge Engineering etc. The curriculum also includes Generic Open Electives where the students can do various MOOC courses and projects of their interest. The Department has an Artificial Intelligence Lab supported by the CURIE Grant of Centre of Excellence in AI from Department of Science and Technology.

Ph.D. in Computer Science & Engineering

The Department of Computer Science & Engineering started Ph.D. course in 2014 on various emerging research areas of Computer Science. The Department has a talent pool of outstanding Faculty members doing research in various areas of specialization. The Department has two main Research Groups namely, AI group and IoT group, to conduct research work and projects in collaboration with Industry and Premier Institutes. The core areas of research are,

1. Artificial Intelligence
2. Natural Language Processing
3. Data Mining
4. Biometrics
5. Health Informatics
6. Embedded Systems
7. Internet of Things
8. Mobile Architecture
9. Wireless Sensor Networks
10. Sentiment Analysis
11. Machine Learning

12. Image Processing

Research Areas in Department of Computer Science and Engineering (CSE):

1. Design and implement sensor data fusion technique in IoT based environment monitoring system for comfortable living of occupants and efficient utilization of space through air quality monitoring and occupancy count.
2. To build practical machine learning models in educational data for online education systems and to incorporate it to the intelligent tutoring systems.
3. Subject independent Emotion Recognition from Electroencephalography (EEG) Data
4. Periocular Region based Biometric Authentication System for non-ideal images
5. Tumour Detection from Biomedical images like X-rays, MRI etc
6. Heterogeneous information network-based recommendation systems
7. Question Answering Techniques Combining NLP Techniques
8. To develop fuzzy ontology framework for Information Retrieval.
9. Natural language processing issues related to ambiguity are being dealt with.
10. Disambiguation of words is being carried out using various soft computing approaches.
11. Fuzzy logic and its variants are being used for resolving ambiguity issues in natural languages.
12. Intelligent Computing for Software Cost Estimation Using Agile Methodologies. In this area, various algorithms are designed using intelligent computing techniques like machine learning, deep learning, nature inspired computations and many more to combat the problem of software cost estimation which is very important and a challenging activity in software development, as huge investments are carried out in developing a software project. The software cost estimation in agile software development is not explored to the extent of traditional software development. So, in this research software cost estimation for agile software development is explored.
13. Using Database Joins and Data Mining Techniques to Handle the Big Data. Proposing Map-Reduce framework handling common problems occurs in big data i.e. data skewness, scalability.
14. Data fusion in IoT using soft computing techniques. When we are working with wireless sensors, as they are usually installed in unreliable environments, for low-power applications we have limited available energy for working. It is proposed to perform data fusion in IoT using an ensemble of soft computing techniques and to study the effects of data fusion on various factors related to IoT devices, and sensors
15. To identify various areas of improvement in higher education in India and develop suggestive tools using suitable MCDM approaches and NLP techniques.
16. Problem of linguistic uncertainty can be solved at various levels using approximation theory at word level, sentence level, document level, aspect level. Multi attribute sentiment analysis for product reviews can be done.



Dr. Seeja. K. R

Associate Professor and Head of Department

Qualification: Ph.D.(CS) (Jamia Hamdard), M.E(CSE)(Madurai Kamaraj University), B.E

Areas of Interest: Data Mining, Algorithm Design, Intelligent Computing, Bioinformatics, NP-Complete problems



Prof. Devendra Kumar Tayal

**Professor, Dean (Academic Affairs), Chairman (AQAC),
Chairman (Faculty Grievance Committee)**

Qualification: Ph.D. (CSE) (JNU), M.Tech.- CSE (JNU)

Areas of Interest: Fuzzy Logic, Artificial Intelligence, Data Mining, Sentiment Analysis and Opinion Mining, Intelligent System, DBMS, Graph Theory, Data Analysis, Information Security using Soft Computing.



Prof. Ela Kumar

Professor, Dean (Students' Welfare), Chief Proctor

Qualification: Ph.D. (Delhi University), M.Tech. (IIT Roorkee), B.E (IIT Roorkee).

Areas of Interest: Artificial Intelligence, Natural Language Processing, Web technologies, Semantic Web



Prof. SRN Reddy

Professor & Dean (Examination Affairs)

Qualification: Ph.D. (CS&T)(JNU) , M. Tech. (CS&T)(JNU)

Areas of Interest Embedded Systems, IoT, Mobile Architecture and Smart Product Design and Sensor Networks



Mr. Indra Thannaya

Assistant Professor

Qualification: M.Tech. (CSE) JNTU, Hyderabad, B.Tech. (CSE), Andhra University

Areas of Interest: Software Architecture, Software Reengineering



Ms. Najme Zehra

Assistant Professor

Qualification M.Tech. (IT)GGSIPU, B.Tech(ECE) Rohilakhand University, Ph.D.(Pursuing)

Areas of Interest Embedded Systems, Computer Architecture, Operating Systems



Ms. Vibha

Assistant Professor

Qualification: MSc (CS), M. Tech. (CSE), MNNIT Allahabad Ph.D. (Pursuing)

Areas of Interest: DBMS, Multimedia Systems, Object Oriented programming, Mobile Operating System



Dr. Vivekanand Jha

Assistant Professor

Qualification: Ph.D. (IGDTUW), M. Tech. (CSE), IIIT Gwalior, B.Tech. (Rohilkhand University)

Areas of Interest: Wireless Networks, Algorithm Design, Cloud Computing



Ms. Monika Choudhary

Assistant Professor

Qualification: M.Tech. (CS, IIT Roorkee), B.E. (CS, University of Rajasthan), Ph.D. (Pursuing)

Areas of Interest: Cloud Computing, Distributed Computing, Operating systems, Algorithms



Ms. Khyati Ahlawat

Qualification: M.Tech.(CSE) Banasthali University,
B.Tech.(CSE)

GGSIU, Ph.D. (CSE) pursuing USICT, GGSIPU

Areas of Interest: Big Data Analytics, Machine Learning, Data Mining



Ms. Arunima Jaiswal

Assistant Professor

Qualification: B.Tech.(IT) USIT, GGSIPU. M.Tech.(CSE) DTU,
Ph.D. (Pursuing (CSE))

Area of Interest: Web Technologies, Sentiment Analysis, Soft Computing, Machine Learning



Dr. Ravinder. M.

Assistant Professor

Qualification: Ph.D. (CSE) (JNTUK) M.Tech.(CS)
(SIT JNTUH), B.Tech. (BVRIT,JNTUH)

Area of Interest: Image Processing ,Image retrieval, Video retrieval, Machine Learning



Courses Offered

B. Tech (ECE) - 4 Years

M.Tech. (ECE)VLSI - 2 Years

Ph.D. (ECE)

Ph.D. (Electrical Engineering)

The Department of Electronics & Communication Engineering was established in the year 1998. Since its inception, it has been dedicated to provide dynamic and quality women engineers to the industry and society. 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.

The Department has always been on a high growth path and has an experienced and dedicated Faculty with a strong commitment to engineering education.

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.



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.

On-going Projects

SMDP

IGDTUW has received grants under the Special Manpower Development Course for Chips to System Design (SMDP-C2SD)–initiated by the Department of Electronics and IT, Govt. of India, as one of the Participating Institution (Category III). It emphasizes on design and fabrication of ASICs/ICs/digital integrated circuits to develop working Prototypes of Systems/sub-systems/Systems on Chip for societal applications. Tools received under this are Synopsys, Cadence, Mentor Graphics, Xilinx, FPGA boards.

ROBOGYAAN

Vigyan Jyoti, Pilot Project was initiated in December 2019 worth Rs 16,57,900. This Project is sponsored by the Department of Science & Technology, Govt. of India. This pilot project has a holistic course designed for meritorious girls right from middle/secondary school level till beginning of their professional career in Science & Technology. IGDTUW has got the privilege of working as a Knowledge Partner with Navodya Vidyalaya Samiti, where the two parties desire to develop knowledge exchange in STEM education among girls of Government school.

M.Tech. (VLSI DESIGN)

M.Tech. (VLSI Design) is a 2- year postgraduate course, which fundamentally covers the engineering aspects involved in designing and developing IC-based systems, and is divided into four semesters of six months each. This M.Tech. course covers the fundamentals and engineering aspect of designing and developing IC based systems. Traditionally VLSI technology has emerged out as a successful conglomeration of two streams: Material Science and Electrical Engineering. The state of the art VLSI technology requires research in physical devices as well as novel design and development of electrical circuit. This course focuses on

designing of semiconductor devices and circuits. Students are encouraged to do an internship to gain industry experience. The general objective of this course is to make the student understand the basic building blocks of VLSI Design and different simulation techniques. The teaching scheme of M.Tech. course is designed with the aim of conducting research in various aspects of the ever growing field of Very Large Scale Integration (VLSI) and establishing links between industrial companies. M.Tech. course is specially designed catering to the needs of the industry as well as the research community both in the core subjects and through Electives. M.Tech. (VLSI Design) course provides research facilities in the area of device modelling, simulation and various aspects of advanced VLSI design. ECE Department has VLSI Design Lab equipped with some of the latest and most advance EDA tools, FPGA boards and circuit solvers for analysing 2D/3D integrated circuits and systems. The lab also has a very rich wealth of state-of-art systems and tools for design and testing which includes Hardware Facilities, EDA tools, Software and Library. Students are exposed to various design software in this course and are trained in several topics that cut across domain, starting from lowermost level of physical devices to the top level of application development. The course covers all the essential elements of the VLSI design concepts which can further help students to use these conceptual skills in the course of his/her own experimental projects in various fields and advanced subjects pertaining to VLSI field.

Ph.D. Course

Research Areas in Department of Electronics & Communication Engineering (ECE) are as follows:

The Department offers Ph.D.(ECE) and Ph.D. (Electrical Engineering).Research in Department of ECE covers an extremely broad range of topics. Whether in VLSI Design, energy and power systems, nanotechnology devices or communication, the research conducted in ECE is at the cutting edge of technological and state-of-the-art developments. Broadly the research areas have been categorized into four strategic sub-categories as given below:

1. VLSI Design and Nanotechnology:

- Low power high speed CMOS amplifiers
- Filter design using substrate Integrated Circuits
- Low Power Digital Circuits with Enhanced Performance at nanoscale using advanced implementation techniques for improved performance
- Design of high speed CMOS amplifiers using adaptive biasing
- Performance improvement in Read out Integrated Circuits (ROIC)

2. Signal and Image Processing:

- Abnormality detection through medical image processing.
- Bio-metric recognition system based on fusion techniques.
- Biomedical imaging.
- Applications of Infrared Thermal imaging.
- Designing of Multi-Dimensional Digital filter using optimization Techniques.

3. Power Systems and Electrical & Control Engineering:

- Interconnection issues of all types of renewable energy sources and its protection.
- Up-gradation and transformation of conventional grid into smart grid.

4. Communication Systems:

- Performance analysis of mixed RF/FSO communication system utilizing spatial diversity and beam forming.
- Decoding and performance evaluation of differential operative FSO networks with pointing errors.
- Energy efficiency optimization and performance analysis through cluster based routing protocols in WSN.
- Energy efficient cognitive radio networks.
- Microwave antenna and filter design using substrate integrated circuits.



Dr. Nidhi Goel

Associate Professor & Head of Department

Qualification: Ph.D., IIT Roorkee, M.Tech. (Digital Communication), B.E. (Electronics & Communication)

Area of Specialization: Digital System Design, ASIC, Embedded Systems, Multimedia Security, Computer Vision, Soft Computing Techniques



Prof. Ashwani Kumar

Professor & Dean, International Affairs

Qualification Ph.D (ECE), DU, M.E. (ECE), DCE, MBA (FMS), DU, B.E. (ECE), DCE

Area of Specialization Optical Communication, Digital Signal Processing, Strategic Management



Dr. Jasdeep Kaur Dhanoa

Associate Professor

Qualification: Ph.D. (Low Voltage Analog Design), GGSIPU, M.E. (ECE), DCE, DU, B.E (Electronics)

Area of Specialization: Low voltage Analog Designs, VLSI, CMOS & Mixed Signal Design, Analog Signal Processing, Digital Electronics



Dr. Vandana Niranjani

Associate Professor

Qualification: Ph.D. (Low Voltage VLSI Design), USET, GGSIPU Delhi, M.Tech. (VLSI Design), ECE, IIT Roorkee, B.E. (ECE), GEC Bhopal

Area of Specialization: VLSI Circuits, Analog IC Design, Low Voltage CMOS circuits, Microelectronics



Dr. Maria Jamal

Assistant Professor

Qualification: Ph.D., JMI, M.E. DCE, B.Sc. (Engineering), JMI

Areas of Specialization: Control System, Circuit and Systems, Electrical Science.



Dr. Shobha Sharma

Assistant Professor

Qualification: Ph.D., GGSIPU, M.E. (BITS Pilani)

Areas of Specialization: VLSI Design, Digital Circuits and Systems, Advanced Computer Architecture



Dr. Akash Tayal

Assistant Professor

Qualification: Ph.D., IIT Delhi, M.Tech., NSIT, B. Tech., JMI

Areas of Specialization: Statistical Signal Processing, Game Theory, DSP, Decision Science & System Dynamics, Machine Learning, Medical Image Processing, Optimization



Dr. Pankaj Gupta

Assistant Professor

Qualification: Ph.D. (Electrical Engineering), M.E. (Control & Instrumentation), B.E. (Electrical Engineering)

Areas of Specialization: Power Systems, Power Electronics, Control and Instrumentation, Renewable Energy Sources, Islanding Detection Techniques and Electrical Machines



Mr. Kanchan Sharma

Assistant Professor

Qualification: Ph.D. Pursuing, DU, M.Tech. (ECE), Allahabad University, B.Tech. (ECE), Allahabad University

Areas of Specialization: Wireless Communication, Optical Communication, Signal Processing



Ms. Greeshma Arya

Assistant Professor

Qualification: Ph.D. Pursuing (Wireless Communication), UPTU, M.Tech., B.Tech..

Areas of Specialization: Optical Communication, Wireless Sensor Networks



Mr. Mohd. Ejaz Aslam Lodhi

Assistant Professor

Qualification: M. Tech., IIT Kanpur, B.Tech., Jadavpur University Pursuing Ph.D. from Jamia Milia Islamia University.

Areas of Specialization: Communication, Wireless Communication, Microwave Engineering, Photonics Network and Switching, Digital Design, Cognitive Radio



Dr. Richa Yadav

Assistant Professor

Qualification: Ph.D. (ECE), DU, M.E. (ECE), MDU, B.E. (ECE), MDU

Areas of Specialization: Digital Signal Processing, Designing of Fractional Order Differentiators and Integrators, Optimization of Operators, Evolutionary Algorithms



Ms. Neha Singh

Assistant Professor

Qualification: M.Tech. (Lasers & Photonics), IIT Kanpur, B.Tech.. (ECE), MMMUT, Gorakhpur

Areas of Specialization: Laser Technology, Optics and Photonics Science & Engineering, Biophotonics, Electronics & Communication Engineering.

Department of Information Technology



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. 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. 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.

Courses Offered

B. Tech (IT) – 4 Years

M. Tech.-IT (Information Security Management)– 2 Years
Master of Computer

Applications (MCA) – 3 Years

Ph.D.-IT

Ph.D.-Computer Application

To exemplify R&D activities, the Department started the Ph.D. course in 2014 and currently 16 research scholars are pursuing the research work in the Department. The Department believes in continuous learning and therefore, hosts various Workshops, Faculty Development Course, Conference, Seminars and expert talk sessions on regular basis. The Department encourages its students to participate in various conferences, workshops and other competitions to hone their technical expertise. 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.

Latest Projects

ISEA

Department of IT is awarded with a project grant of Rs. 65.3 lakhs from Department of Electronics and Information Technology, Ministry of Communication and Information Technology under ISEA project Phase-II and the following labs have been established under the project grant of Rs 65.3 lacs:-

- **Cyber Forensics Lab:** The lab is equipped with FRED Server and Net Force Suite –a forensic suite developed by C-DAC.

- **IoT Lab:** The lab has been equipped with real time test bed “SenseNuts: IoT Platform for Excellence” for experimenting sensor for IoT applications.

The Objective of the ISEA Project includes capacity building in the area of information security to address the human resource requirement of the country, training of government personnel and creation of mass information security awareness targeted towards academic users, general users and government users. The Department has already provided the security awareness education to approx. 500 students in the last two academic years.

Chief Investigator: Prof. R.K Singh, Co. Chief Investigator: Dr. A.K Mohapatra

M.Tech.- IT with specialization in Information Security Management

The M.Tech.-Information Technology(IT) course with specialization in Information Security Management(ISM) is offered to women engineering graduates who are interested in pursuing their career in industry, academia or research in the area of Information Security. This is a two years full time regular course with total 87 credits including core courses, Departmental elective courses and generic open elective courses spread over in four semesters.

The course is flexible enough to allow a student to specialize in any topic of interest by taking elective courses (Departmental Elective and General Open Elective) and working on a research project in that area. The advanced core courses like Advanced Programming, Data Structure and Algorithm Analysis, Advanced Machine Learning provides deeper insights into various aspects of Information Security Management including Cryptography, Cyber Security, Blockchain, Security Testing, Security Patterns and others.

The M.Tech.-IT (ISM) course provides ample opportunities for the students to explore both research and development skills. Also, the dissertation in 4th semester allows the students to go deeper into a topic of interest by joining exciting research projects under the supervision of Faculty members in the Department. The emphasis is on conducting original research and writing a dissertation (individually) that reports these results. The Faculty members in IT Department are active in research areas including information security, cryptography, wireless networks, online social media, machine learning, deep learning, software engineering and others. Placements of our M.Tech. students have been excellent so far and witnessed several jobs offers from the top companies such as NetApp, ORANGE, CISCO, ORACLE, PWC, American Express, etc. NetApp offered the highest annual package of Rs. 18.7 lacs per annum. Also, M.Tech. students are performing extraordinarily well for internships at various top companies such as ALTRAN, CISCO, CYPAD, NetApp, etc. Around 50 students have qualified the EC-Council's CEH Exam and are the Certified Ethical Hacker (CEH). The CEH exam is designed to test the cyber security professional's baseline knowledge of security threats, risks, and countermeasures through lectures and hands-on labs.

Department of IT is awarded with a project grant of Rs. 65.3 lacs from Department of Electronics and Information Technology, Ministry of Communication and Information Technology under Information Security Education Awareness (ISEA) project Phase-II. The Objective of the ISEA Project includes capacity building in the area of information security to address the human

resource requirement of the country, training of government personnel and creation of mass information security awareness targeted towards academic users, general users and government users. The Department has already provided the security awareness education to approx. 500 students in last three academic years.

MCA

Department of Information Technology introduced MCA course from the academic session 2011-2012 with an annual intake of 60 students. The MCA course is three year professional Post-Graduate course, designed to help an individual to meet the growing demand for qualified professionals in the field of software development. The course is a blend of both theoretical and practical knowledge. Course curriculum consists of core courses of fundamental computer science with a flexibility to choose subjects from a basket of specialised courses. Also, courses from Management, Mathematics and Generic Open category provide the opportunity to the students to learn various interdisciplinary courses. At the end of every year (during the summer break), students are required to complete an Internship in the industry where they get an opportunity to learn industry trends and technologies.

The Information Technology Department has well equipped classrooms with LCD projector, smart podium, sound system and others. Computer labs are having latest operating system and processors with software like MATLAB, Java, MySQL, LINUX and others for practical and research work. Department is having a strong industry connect in the form of MoUs (with IBM, CISCO thingQbator, Cyber peace Foundation) which helps students to be industry ready. The students of MCA are actively involved in developing software applications for the University and other government organizations

The students of MCA get ample opportunity to get placement in the top IT companies including CISCO, IBM, Microsoft, ION Trading, NetApp, ARM and several others. So many students complete their final semester projects in top companies.

Ph.D. Course

The Department of Information Technology is offering Ph.D. in IT and Ph.D. in Computer Applications. The Ph.D. Course at Department of Information Technology, is unique in the sense that it caters to fresh post-graduates and working women, alike. It has diverse backgrounds of scholars, including women with vast industry experience who have moved to academia or intend to do so, women with industry/academic experience or post graduate degrees who aim to resume research after a hiatus owing to relocation or family planning. There is no dearth of opportunities and prospective supervisors more than welcome all worthy candidates who have research ability instilled in them. The choice of supervisor and scholar, is two-way/mutual and based on matching of expertise and interest area, of the supervisor and scholar, respectively.

A Ph.D. scholar has to undergo coursework pertinent to her proposed area of research, following which she has to present a substantial research plan aptly assessed by the Department Research Committee. Matters of admissions, research Grant/travel grants, etc. are supervised by the Ph.D. coordinator and Deputy Dean Research and Consultancy at the University level. While

supervisor allocation, choice of coursework, completion of minimum credits thereof, semester-wise progress reports' evaluation, etc. fall under the purview of Department Research Committee constituted with experienced domain experts from reputed institutes such as NIT, JNU, DTU, etc. Full time students may be sponsored by UGC if they are NET JRF qualified, apart from that institute fellowship, namely, IGDTUW-JRF is available. Junior Research Fellowships (JRFs) ask for few hours' worth of work-assignments per week, it may be perceived as an added benefit of honing teaching and soft skills of the scholar through laboratory or Departmental integral activity allocations.

Ph.D. scholars mentor M.Tech., MCA, and B.Tech. student's projects, usually owing to lab interactions and/or common supervision by a Faculty member. This facilitates cross-course thinking, for instance, Ph.D. student formulating the problem after systematic literature review, B.Tech. students writing code for the proposed algorithm, MCA student developing GUI/mobile app for the novel solution, while MTech students preparing manuscript for possible publication of this heterogenous team's work. Pre-Ph.D. seminar at near completion stage of a Ph.D. student's journey of thesis writing, is open for attendance, to all, hence fostering culture of transparency and healthy exchange of knowledge and constructive feedback in the Department. Perennial series of workshops on digital forensics, cyber security, artificial intelligence and deep learning re-conducted, where scholars are not merely participants, rather session-takers to showcase hands-on coding skills and recapitulating concepts learned through teaching. They truly reinstate learning by doing. Besides that, workshops on research methodology, LaTeX and other literature and reference management tools are an integral part of the first few days of a Ph.D. student's journey. Our scholars being well versed in them right at the beginning seem to justify – “Well begun is half done”-Anon.

The serene campus atmosphere alongside high configuration PCs and a quiet dedicated research scholars' lab acts as the ideal workstation of a Ph.D. scholar. Moreover, access to coveted journals from Publishers such as: IEEE, ACM, Springer adds to the rich resource tank of a research scholar, wanting her to voluntarily stay on campus from early morning to late evenings. The Department encourages project write-ups with scholar getting a chance to be principal investigator, provides support for publication in for international conferences outside India particularly through Faculty grants, and so on.

Presently, scholars are working on big data analytics, soft computing techniques, evolutionary computing, optimization, wireless sensor networks, information security, malware analysis through machine learning, healthcare analytics, recommender systems, optical networks, clone detection, cloud computing, software systems, and many other multidisciplinary areas, primarily with application of artificial intelligence techniques, which indeed is the new electricity. Our scholars have a myriad feather in their caps, multiple SCI-E journal papers per scholar, International conferences of ACM/IEEE in New Zealand, data scientist offers from R&D divisions of MNCs, Assistant Professorship at Government University in NCR, to name a few.

Research work in Information Technology is being pursued on the following problems:

1. Classification of Hyperspectral Medical Images
2. Quality metrics for Autonomic Systems
3. Passive optical networks
4. Predictive policing using artificial intelligence
5. Recommender systems with reduced vulnerabilities to attacks
6. Information and web security, Software Engineering
7. Android malware analysis using machine learning
8. Blockchain, its security and efficiency especially related to consensus issues
9. Cryptanalysis techniques in symmetric key cryptography that can be applied to analyze new block cipher and hashing standards
10. Development and analysis of security of new mobile payment protocols for resource constrained low end devices
11. Use of cryptographic techniques in Digital forensics, e.g., use of fuzzy hashing to find similar malware files
12. Resource allocation in service oriented wireless sensor networks
13. Designing lightweight learning algorithms for predictive maintenance in Industry 4.0
14. Interoperability issues among various network translation technologies
15. Secure and anonymous mutual authentication and key agreement scheme for wireless sensor networks
16. Online social media analytics



Dr. Arun Sharma

Associate Professor and Head of the Department

Qualification: Ph.D. (Thapar Univ.) M.Tech.CSE (Punjabi Univ.)

Areas of Specialization: Big Data, Machine Learning, Software Engineering, Soft Computing Techniques



Prof. R.K Singh

Professor, Dean (Planning & Development) and Registrar

Qualification: Ph.D. (IT), GGSIP University M.S., BITS, Pilani

Areas of Specialization: Software Engineering, Project Management, Software Testing, Cyber Security and Information Security.



Dr. Amar K. Mohapatra (On Deputation as CTO Delhi Police)

Associate Professor

Qualification: Ph.D. (IT), GGSIP University, M.Tech. (CS) IIT (ISM) Dhanbad

Area of specialization: Cryptography, Cyber Security and Information Security



Dr. Kalpana Yadav

Assistant Professor

Qualification: Ph.D. (Software Reliability) Jiwaji University, Gwalior and M.Tech. (CSE) GJU, Hisar.

Areas of Specialization: Soft Computing, Software reliability



Mr. Rishabh Kaushal

Assistant Professor

Qualification: M.S. by Research (CSE) from IIIT, Hyderabad and Pursuing Ph.D. at IIIT Delhi.

Areas of Specialization: Information Security and Algorithms



Ms. Ankita

Assistant Professor

Qualification: M.Tech. (IT) from USIT, GGSIPU and Pursuing PhD at USICT, GGSIPU.

Areas of Specialization: Software Testing,

Advanced Java programming and Network Security.



Ms. Nidhi Arora

Assistant Professor

Qualification: M.Tech. (CSE) from IIT Delhi and pursuing Ph.D. at (CSE) at IIT Delhi

Areas of Specialization: Data Structures, Algorithms



Ms. Nisha Rathee

Assistant Professor

Qualification: M.Tech.(CSE) MDU Rohtak and Pursuing Ph.D. at MDU Rohtak

Areas of Specialization: Software Testing, Data mining, Data Structures



Dr. Niyati Baliyan

Assistant Professor

Qualification: Ph.D. (IIT Roorkee), M.Tech. from Gautam Buddha University, Greater Noida and Sheffield Hallam University, U.K.

Areas of Specialization: Semantic Web, Knowledge Engineering and Data analytics, Machine Learning and Deep Learning, Natural Language Processing



Dr. Mohona Ghosh

Assistant Professor

Qualification: Postdoc from NTU Singapore, Ph.D. and M.Tech. from IIIT Delhi, B.Tech. from GGSIPU

Area of Specialization: Symmetric Key Cryptography and its associated cryptanalysis, Cyber Security, Cyber Forensics



Dr. Sourabh Bharti

Assistant Professor

Qualification: Ph.D., Information Technology IITM Gwalior, M.Tech. (Computer Science and Engineering) from IITM Gwalior.

Areas of Specialization: Wireless Sensor Networks, Internet of Things, Intelligent Sensing



Mr. Gaurav Indra

Assistant Professor

Qualification: Ph.D. (Pursuing) at NSIT, M.Tech. (SE), from DTU

Areas of Specialization: Post Quantum Cryptography, Information Theory, Mutual Authentication in Cognitive Radio based IoT, Secure Wireless Communication, Big Data Analytics, Cognitive Computing



Ms. Bhawna Narwal

Assistant Professor

Qualification: Pursuing Ph.D. from IGDTUW and M.Tech. (ISM) IGDTUW, Delhi

Areas of Specialization: Cryptography, Information Security, Network Security, Wireless Networks



Ms. Charu Gupta

Assistant Professor

Qualification: M.Tech. (Information Security) from GGSIPU, Delhi and Pursuing Ph.D. at IGDTUW

Areas of Specialization: Cryptography, Information Security

Department of Mechanical and Automation Engineering



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

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.

Courses Offered

B.Tech. (MAE) - 4 Years
B.Tech. (MAE) & MBA
- 6 Years (Dual Degree)
M.Tech (Robotics& Automation)
- 2 Years
Ph.D.



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.

On-going Projects

Department of MAE has received a grant of Rs. 21.5 lakh for the project titled “Design and development of customized temporomandibular joint prosthesis for patients suffering from end stage TM disorders” for duration of 3 years w.e.f April, 2018 from DST under “Young Women Scientist Scheme”. Ms. Mehak Sharma, Research Scholar, Department of MAE has been appointed as Principal Investigator under the supervision and mentorship of Dr Manoj Soni, Head & Associate Professor for the said project.

B. Tech. (Mechanical and Automation Engineering) + MBA (Dual Degree Course)

B. Tech. (Mechanical and Automation Engineering) + MBA course is a six-year course designed for class XII pass out students who look forward to a career in business management with base of Mechanical Engineering. The integrated degree course is a combination of two specialized disciplines in one curriculum. The course will equip students with technical knowledge along with the skills to manage the technological advances optimally, preparing them for the corporate world. The focus of this course is on skill development of students so that they are able to create and manage technology based businesses. Time and expenses are saved as candidates need not to appear for the entrance exam and selection process twice (at UG and PG level). Students pursuing MBA will have a comprehensive understanding of the

fundamentals of business management and the opportunity to pursue chosen areas of specialization which can be either Mechanical and Automation Engineering or Management. Industry in manufacturing field require managers who possess managerial ability, financial acumen, marketing skills, human resource management, production management, Knowledge of corporate governance, company laws, along with knowledge of Mechanical Engineering. This integrated course will give both technical and managerial skills and prepare students for a successful managerial career ahead.

M.Tech (Robotics and Automation)

M.Tech specialization with Robotics & Automation will enable students to serve the Industry requirement for implementation of new and smart technologies covering methods of synthesis, analysis & optimization of newer robots and mechanisms. The increased demand of current industry for efficiencies and safety has led to a greater need for professionals with an added expertise in the field of Robotics & Automation. Robotics & Automation combines design, construction, operation, and application of robots coupled with computer based control systems, sensory feedback, and information processing. The design of a robotic system puts together principles of Electronic Engineering, Mechanical Engineering and Computer Engineering.

Ph.D. Course

Research work in Department of Mechanical and Automation Engineering is being pursued on following areas:

1. Performance and Emission Analysis of Alternate Fuels in IC Engines;
2. Fabrication and Studies of Nano-lubricants for Engineering Applications;
3. Development of Micro and Nano Composites for Different Engineering Applications;
4. Studies of Nano Coatings on Metal Surfaces;
5. Fabrication and analysis of composites;
6. Performance and Analysis of Flexible Manufacturing systems;
7. Studies on development of Temporomandibular joint prosthesis;
8. Fabrication and analysis of Hand Prosthesis;
9. Studies on High strain energy composites;
10. Study of Friction stir welding application;
11. Energy and Exergy analysis of combined cycle power plant;
12. Energy and Exergy analysis of steam power plant.



Dr. Manoj Soni

Associate Professor and Head of Department

Qualification: Ph.D. (DCE), M.Tech. (IIT Delhi) & B. Tech

Areas of Specialization: Mechatronics, Production Engineering, Prosthesis



Dr. Nathi Ram Chauhan

Associate Professor

Qualification: Ph.D., IIT Roorkee, M. Tech., IIT Roorkee

Areas of Specialization: Machine Design Engineering, Tribology (Fluid Film Bearings), FEM, Alternative Fuels, Composite Materials, Automation Engineering.



Dr. O.K. Singh

Assistant Professor

Qualification: Ph.D. IIT Delhi, M.Tech. Thermal Sciences (Gold Medallist) from Aligarh Muslim University, Graduation Certificate

in Marine Engg. from Directorate of Marine Engineering Training

Area of Specialization: Thermal Science, Thermal Power Plants, Thermal Energy Systems, Refrigeration & Air conditioning



Ms. Deepti Chhabra

Assistant Professor

Qualification: Ph.D. (Pursuing) DTU, Delhi M.Tech., B. Tech.

Areas of Specialization: Industrial Engineering/Operations Management, Computer Aided Manufacturing, Green Logistics/Green Supply Chain, Management of Manufacturing Systems, Manufacturing Processes, Production Technology



Dr. Pankaj Tomar

Assistant Professor

Qualification: Ph.D. IIT Delhi, M.Tech. IIT Delhi

Areas of Specialization: Automobile Engineering, Mechanics Problems, Metal Forming, Numerical Techniques, Automation in industry, Tribology, Green Manufacturing, Energy Problems



Dr. Shipra Aggarwal

Assistant Professor

Qualification: Ph.D. IIT Delhi, M.Tech. NIT Kurukshetra

Areas of Specialization: Industrial Tribology



Dr. Vivek Chawla
Assistant Professor

Qualification: Ph.D. NIT Kurukshetra, M.Tech. DITE Delhi, PGDBA Symbiosis Pune

Areas of Specialization: Management of Manufacturing Systems. FMS, Automation, CAM and CIM, Production Engineering/Manufacturing Processes, Operations Management, Engineering Graphics, Machine Drawing



Ms. Deepti Jaiswal
Assistant Professor

Qualification: Ph.D. (Pursuing) IIT Delhi, M.Tech. SLIET, Longowal

Areas of Specialization: Welding & Material Science



Dr. Pooja Bhati
Assistant Professor

Qualification: Ph.D. IIT Delhi, M.Tech. Jamia Millia Islamia Delhi, B.Tech IGIT

Areas of Specialization: Bio Materials, Scaffolds, Composites



Mr. Ravinder Kumar
Assistant Professor

Qualification: M.Tech. IIT Kanpur, B.Tech. IIT Ropar

Areas of Specialization: Thermal Engineering & CFD



Dr. Tina Chaudhary
Assistant Professor

Qualification: Ph.D. Jamia Millia Islamia Delhi, M.Tech. IGDTUW, Delhi

Areas of Specialization: Robotics & Automation, Production



Mr. Urfi Khan
Assistant Professor

Qualification: M.Tech. Jamia Millia Islamia Delhi

Areas of Specialization: Modelling, simulation, and optimization of Production & Industrial Systems



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 centre 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. We 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.

Courses Offered

**Bachelor of Business
Administration - 3 Years**
**Master of Business Administration
- 2 Years**





Dr. Shalini Arora

Associate Professor and Head of the Department

Qualification: Ph.D. (Mathematics) IIT Delhi; M.Sc. (Mathematics), IIT Delhi

Areas of Specialization: Mathematical Programming, Allocation Problems, Combinatorial optimization



Dr. Dhanjay Yadav

Assistant Professor (Management and Soft Skills)

Qualification: Ph.D., M.B.A. (Finance & Marketing) IET Lucknow, B.Com (Hons.), Delhi University

Areas of Specialization: Equity Market, Financial Services



Dr. Sushil Dhiman

Qualification: Ph.D. in Education (University of Delhi)

Area of Specialisation: Philosophy Ethics, Philosophy of Education



Dr. Shalini Yadav

Qualification: Ph.D. in Management

Area of Specialization: Marketing and Human Resource Management



Ms. Shikha Gupta

Qualification: Ph.D. (Pursuing) from DTU M.com, PGDIM, B.A.(H) Economics

Area of Specialisation: Economics and International Trade



Ms. Shilpi Gulati

Qualifications: B.A (Hons) Economics, Delhi University; MA Economics from Jawaharlal Nehru University (JNU), Pursuing PhD from FMS

Area of Specialization: Economics



Mr. Luckshay Batra

Qualification: M.Sc. in applied mathematics, Pursuing Ph.D. from DTU

Area of specialisation: Applied Mathematics and Statistics



Ms. Anjali Raghav

Qualification: M.com, MBA(Fin), Pursuing Ph.D. from DTU

Area of specialization: Accounting, Finance

Infrastructure and Central facilities

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. 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.

Computer Centre



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 hardware is configured to operate in a dual boot mode providing support for the latest version of two broad classes of operating systems, namely, Windows Professional Edition and Linux based Ubuntu-with long term support.

Hostel Facilities



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

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 residents use the campus playground for games like Basketball, Badminton, Volleyball and skating. Indoor table-tennis court and badminton court also exist in the hostel premises for the residents. The hostel also has its own gymnasium for residents. Hostel accommodation is allotted to full-time bonafide students of IGDTUW satisfying the eligibility criteria for hostel admission subject to availability. The allotment of accommodation in the hostel is made on the basis of IGDTUW Hostel Rules and Regulations as mentioned in the hostel brochure. 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.

Common Room

The University has a common room for girls, equipped with fitness equipment, yoga facility and indoor games.

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-visual 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, ScienceDirect, 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 OPAC 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.



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.

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.

Guests House

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

Indira Gandhi Delhi Technical University for Women has promoted and incorporated a separate Section 8 Company under the Companies Act, 2013 to propagate entrepreneurial culture and ecosystem among women, on 13th October 2016. All kind of facilitation in four phases of complete incubation and venture development cycle i.e. i) Pre-incubation, ii) Incubation, iii) Acceleration and iv) Post-incubation are provided by IGDTUW-Anveshan Foundation, which is funded by Directorate of Training and Technical Education (DTTE), Government of NCT of Delhi and also recognized by Department of Science and Technology (DST), Government of India as Technical Business Incubator (TBI).

Government of NCT of Delhi has funded INR Twenty Million i.e. two crores rupees in two tranches to support IGDTUW Anveshan Foundation i.e. Incubation related activities at Indira Gandhi Delhi Technical University for Women.

Core Team

Dr. Amita Dev, Honourable Vice Chancellor IGDTUW is ‘Chairperson’ of IGDTUW Anveshan Foundation. Dr. Arun Sharma, Head, Information Technology Department is Managing Director of Anveshan Foundation. Apart from them, four more senior Faculty members from different engineering branches are the directors so that first mentoring to the start-ups aspirants can come from all the technical streams. Dr. V K Arora has been working as the Chief Executive Officer of the company since its inception.

Facilities

In Pre-incubation, activities related to Motivation, Ideation, Innovation, MVP, PoC, PoV, Feasibility, Prior Art, Intellectual Property Right, Pitching Deck, Business Plan and Presentation skills are provided to the participants by the Incubation Center i.e. IGDTUW Anveshan Foundation. There are total thirty student members and in the last two years many activities and events have been organized by the Incubation Center which include workshops, boot-camps, hackathons, industrial visits, inter college/University competitions, management development courses.

CISCO has established complete IoT and robotics Lab ‘thingQbator’ (worth 60 Lakhs of rupees) for Innovation through its CSR funds in the year 2018 through its partner organization NASSCOM Foundation for its four cohort of six months each. Total fifty-two projects in three cohorts have been completed under this initiative.

Total nine private limited companies are working as start-up ‘Incubatees’ with IGDTUW Anveshan Foundation. All of these incubatees are women enterprises. Details of all these incubatees along with their products are available on the website of IGDTUW Anveshan Foundation i.e., www.anveshanfoundation.org. Incubation Center provides facilities for Company Incorporation, fully furnished air-conditioned office space, complete ICT and free consultancies in technical, business and strategic front to all of its incubatees. There is also a provision of Seed Fund against equity for ‘Incubatees with Investment’.

Recently IGDTUW Anveshan Foundation has signed a Contract with GiZ, a German organization for Strengthening Incubation & Start-up Ecosystem for Women Entrepreneurs in Delhi NCR under which, events like boot camps, training sessions, workshops and mentoring will be sponsored by GiZ. Total contract value is Rs. 25 Lakhs and forty percentage of it has been received by Anveshan Foundation.

IGDTUW Anveshan Foundation has a pool of consultants and mentors associated with it to augment the businesses of its incubatees, which is an essential part of Acceleration Phase. Support in Product Development, Marketing, Regular Product Refinement, Supply Chain, Franchise Models and Bargaining with Investors are provided by IGDTUW Anveshan Foundation. Incubation Center has also signed many MoUs with reputed organizations to accelerate and diversify businesses of its Incubatees through various channels including exchange courses overseas. After the incubation period, at the phase of post-incubation hand holding support continues from Anveshan Foundation in consultancy, laboratories, innovation support and portfolio management.

Details of Incubatees (of total three batches)

S. No.	Incubatees Company's Name	Women Promoter/ Director	Total Grant done through IGDTUW-Anveshan Foundation (against equity)(in Rs. Lakhs)
1	ETI Labs Private Limited	Ms. Manasi Mishra	7.50
2	Steamedu Learning Private Limited	Ms. Rashmi Tyagi	5.00
3	Ease Studies Private Limited	Ms. Chesta Agarwal	2.50
4	CIEP Private Limited	Ms. Anusuya Khan	1.50
5	Prarabdha Info Solutions Private Limited	Ms. Dipti Chourasia	4.50
6	Skywalkers Techeducation Private Limited	Ms. Jyoti Bakshi	5.00
7	Nature Fabtech Private Limited	Ms. Sakshi Singhal	4.00
8	Provotex Resources Private Limited	Ms. Kanchan Kashyap	2.50
9	Inforest Technologies Private Limited	Ms. Vaibhavi Sharma	<i>Incubatee without Investment</i>
Total Investment (in rupees lakhs)			32.50

Applicants for Fourth Batch

IGDTUW Anveshan Foundation has got total sixteen potential applications for its fourth batch. Shown under 'Part A' are the applicants from Indira Gandhi Delhi Technical University for Women, whereas 'Part B' shows the external applicants.

Internal – Students, Scholars, Alumni, Faculty and Staff Members

S. No.	Candidate's Name	Status	Project/ Company's Name	Business Idea
1	Kshitija Shekhar	Student B.Tech. CSE	Raahee	Emotional and mental need and treatment through App.
2	Avishi Goyal	Student MCA	Parking Hero	Parking Solution through App.
3	Priya Maurya	Student M.Tech. AI	Inspire2Invent	Low Cost Automation for various Industries
4	Megha Deshwal	Student B.Arch.	Desi Koachella	Platform for talented people in creative field
5	Anukriti	Student M.Tech. VLSI	ElectroKRITI	Online Training Modules and Live Workshops
6	Ria Bhatia	Student B.Tech. CSE	UAceJt	Platform encouraging Women to share their professional skills and online modules
7	Nidhi Aggrawal	Student PhD	Sukritrim	Solutions for Easy Language Translation and Interpretation

Achievements

- Incubated total 09 Incubatees, all private limited companies with seed Grant of total INR 32.5 lakhs till date.
- Anveshan Foundation has collaborated through MoU/ Contract with NASSCOM Foundation, Nexus Incubation Hub, GiZ for getting support for Pre-incubation activities.
- Organized two days Hackathon (as Inter college/U
- University Business Plan Competition) in three consecutive years (year 2017, 2018 and 2019) where responses from more than 30 teams were received from different colleges of Delhi NCR. Apart from that, Anveshan Foundation has organized many events such as workshops, boot-camps, mentoring session and MDPs. (details are available in the website) FDPS by Cisco (Webinars)

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- e) Our Incubatees' success stories have been covered in Primetime of DD, ZEE, Harvest Channels and leading newspapers.
 - f) Our two incubates: ETI Labs Private Limited and Nature Fabtech Private Limited have crossed turnover of INR 20 Lakhs, individually.
 - g) Manasi, director of ETI Labs received Gandhian Young Technology Innovation (GYTI) award by Dr. Harsh Vardhan in July 2019.
 - h) Ms. Dipti Chourasia was selected in Aspiring Women Entrepreneurship and got two weeks training in Austin Texas.
 - i) SteamEdu Learning is continuously conducting training courses in all the domains of STEAM pan India including areas like Leh Ladakh. Promoters of the company had got appreciation from DRDO Leh – Dihar (Defense Institute of High-Altitude Research) for Social Work among women/ girls.
 - j) Nature Fabtech got two export orders from USA in the month of November 2019 for bamboo fabric made infant clothing.
 - k) Provotex Resources has designed more than 20 patterns of its own jute bags for various purposes.

Future Plan

- a) E-Cell (Entrepreneurship Cell) has to be revamped with new student coordinators (and members) to accelerate its Pre-Incubation activities.
- b) Going to conduct 20 mentoring sessions, two boot camps and two pitch/demo day in the calendar year 2020, all sponsored by GiZ.
- c) We have already got DST recognition (in the year 2018) and now after getting DST Grant (expected by May 2020), four technical laboratories are to be established within the premises of the University for our students/ incubatees.
- d) Anveshan Foundation is planning to provide a platform where the students and incubatees of IGDTUW may interact with strong stakeholders and networks present in the entrepreneurial ecosystem of India and abroad.
- e) Anveshan Foundation is also in the process of signing MoUs with other institutions of Delhi NCR to disseminate entrepreneurial culture and involve their students, entrepreneur aspirants.

Any Woman Entrepreneur/ Women Enterprise looking for pre-incubation, incubation or acceleration support for her start-up or business venture may apply online through web portal <http://www.anveshanfoundation.org> or email at ceoincubation@igdtuw.ac.in

Campus Placement

The Training and Placement Department facilitates the Campus Drives and offers placement and internship utopia for our students. Retaining and revitalizing the past glory, the highly energetic and dynamic team of students and Faculty of the University along with the Training and Placement Officers, Dr. Jasdeep Kaur Dhanoa, (IT, CSE, ECE) and Dr. Nathi Ram Chauhan, (MAE), have given our students an incredibly great platform to prove their skills and merit. Many of our students have been placed in renowned National and Multinational companies. We are honoured to have corporate giants like Google, Microsoft, Uber, Intuit, Goldman Sachs, American Express, Walmart, NetApp, Cisco, GE, Nestle, Siemens, Accenture, TCS, DELL, Qualcomm, Mahindra & Mahindra, Maruti, Honda, Bajaj Automobile, MG Motor, Tata Motors, Nestle, Eaton, HUL, Ather Energy, Siemens, Honeywell, Cameron, Fluor Daniel, and list is endless, visiting us annually and offering great opportunities to our students.

The Placement Season for the batch 2019-20 started with the high note and more than 78 companies have visited the campus for about 277 Full Time Offers, 43 pre-placement Offers and more than 173 internship offers. The CTC of Rs.43.3 Lakhs from Microsoft IDC and internship package of Rs.1.5 Lakhs per month from Uber are the highest in each category. First time Google made its presence in the campus and specially organised the **“Kickstart” Roadshow** especially for IGDTUW students. It is a matter of stupendous pride to share that compared to the last year, there has been a rise in average CTC from 10.3 Lakhs per annum to 13.33 Lakhs per annum and a rise in highest package from 41.6 Lakhs to 43.3 Lakhs. Some of our students performed gracefully and were successful in getting into esteemed universities like NYU, IIM Indore etc. We have observed an exponential growth and the placement statistics stand true to this testament.



Google India Road Show Event Kickstart in IGDTUW campus. on 24th August 2019 for the first time in North India

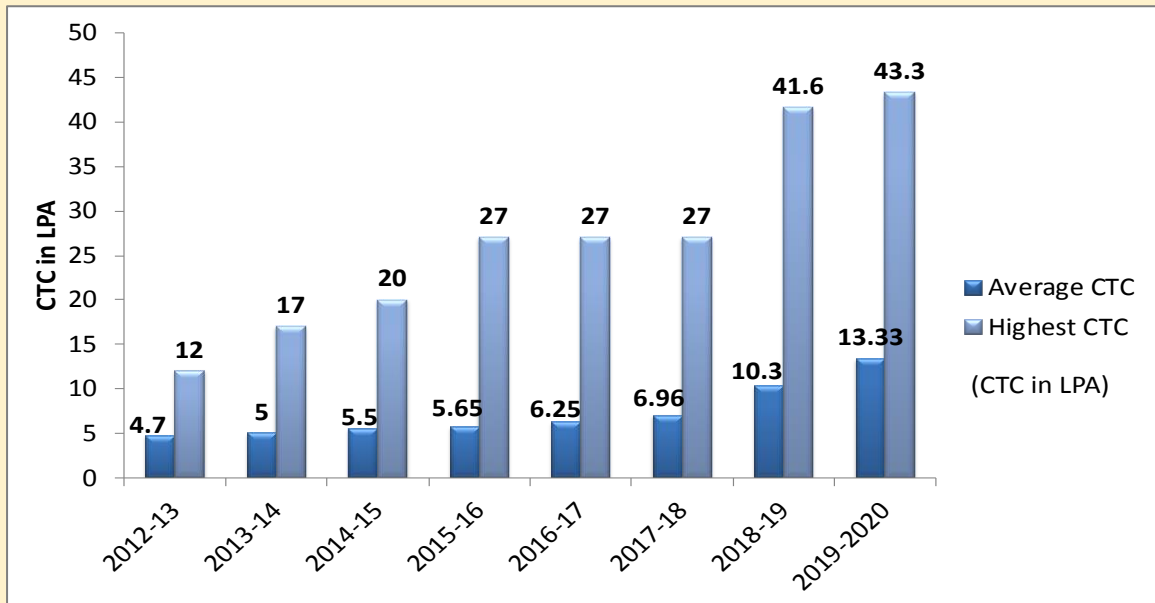
Placement and Internship Statistics 2019-20

S. No.	Name of the Company	Total Offers
1	Microsoft IDC	23
2	Goldman Sachs	25
3	Uber	3
4	Salesforce	6
5	Google	4
6	LinkedIn	4
7	Udaan	0
8	Intuit	7
9	Walmart	27
10	Flipkart	9
11	Adobe	11
12	Kronos	5
13	Deutsche Bank	10
14	Morgan Stanley	3
15	GoIbibo	6
16	Sap Labs	15
17	Sandisk	15
18	American Express	12
19	Accenture	26
20	Cisco	14 (Internship+FT*)
21	VISA (Off-Campus)	1
22	Baxter	5
23	Expedia	11
24	Eaton	4
25	CVent	1
26	Philips	10
27	InfoEdge	5
28	Media.Net	1
29	NetApp	8
30	Ion	1
31	Ather Energy	1
32	Oracle	14
33	Dell	20
34	Cyber Group	3 (Internship+FT*)
35	ThoughtWorks	3
36	Wheelseye	2

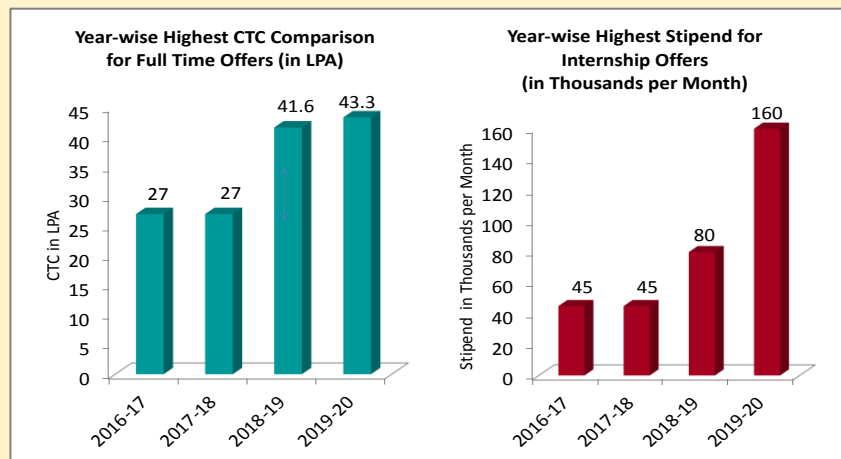
37	Citrix	5
38	Tata Motors	4
39	ThoughFocus	5 (internship + FT*)
40	MG Motors	1
41	Sapient	3
42	Altran	2 (Internship+ FT*)
43	Libsys	1
44	Fractal Analysis	3
45	IBM	11
46	Macquarie	4
47	Harman	1
48	Eagle View	1
49	Samsung	2
50	Grofers	3
51	Optum	18
52	McKinley and Rice	0
53	Sheroes	3
54	Newgen	0
55	ToTheNew	1(Internship +FT*)
56	Ericson	14
57	Orange	3
58	Synopsis	2
59	Myntra	8
60	Mobiquel	2
61	Craterzone	2(Internship+FT*)
62	Yamaha	1(Internship+FT*)
63	Nagarro	0
64	Mobikwik	4
65	Comviva	3
66	Elucidata	1(Internship+FT*)
67	NIIT	4
68	PwC	6
69	MyKaarma	0
70	Amazon AWS	9
71	Amazon SDE	0
72	TCS Ninja	10
73	TCS Digital	4
74	Qualcomm	1
75	Jaro	0
76	Infosys	2
77	Mahindra &Mahindra	1

78	NxP Semiconductors	2
79	ZS Associates	1
80	ARM	4 (Internship+FT*)
		467

*Note: FT refers to Full time



Year wise CTC and Highest CTC Comparison



Highest CTC and Stipend Offer

Societies and Clubs of IGDTUW

There are various extracurricular societies, functioning under the office of Dean Students Welfare (DSW). These give students a chance to develop themselves on many extra academic fronts like sports, culture, dance, dramatics etc. The DSW office organizes various courses to create student awareness on women safety, gender sensitization, art of living, meditation, self-defence and many more topics. It develops the team spirit in students and thus reduces their socio-economic differences of background.

CODING CLUB

Faculty advisor: Dr. Ela Kumar, Professor, Department of CSE.

Students under this club get mentorship from Faculty advisor to develop the coding skills. Students are encouraged to learn different coding skills by playful methods and participate in open coding competitions like hackathon and technical events organized by other parity institutes. Students have won many coding competitions.

ACM STUDENT CHAPTER

Faculty Advisor: Mr. Rishabh Kaushal, Assistant Professor, Department of IT.

Founded in the year 2012, ACM Student Chapter is the official technical society of Department of Information Technology at IGDTUW. It is among the most active technical societies in the campus. Chapter has been at the forefront in encouraging students to “develop” software and applications for the conduct of various technical activities. Under the aegis of ACM student chapter, students have developed in-house applications to manage technical events, conduct online quiz, assess students’ participation and evaluation, besides conduct of various technical events like programming



competitions and technical talks. To inculcate peer learning, Chapter encourages students to take the lead in delivering technical content in areas of their expertise to other students. Students regularly conduct sessions on Android App development, full stack web development, UI/UX design, Digital Image Processing, Python and its applications, Deep dive into competitive coding and so on. For more details, refer our website: <http://acmigdtuwchapter.tech>

IEEE STUDENT CHAPTER

Faculty Advisor: Dr. Jasdeep Kaur Dhanoa, Associate Professor, Department of ECE.

The IGDTUW IEEE Student Branch is one of the most active student branches under the Delhi Section, Region 10 (Asia Pacific). Established in 2004, the IGDTUW IEEE has been dedicated towards raising technical awareness since its inception. The IGDTUW IEEE Student Branch conducts a plethora of events throughout the year like Technical Treasure Hunt, Pictionary, Codesprint and various talks under Women In Engineering (WIE). The Student Branch aims to reach new heights and create an innovative atmosphere and has thus launched MOMENTUM 1.0 under which a team of mentors and students work towards creative ideas and furthermore the venture implores an atmosphere of creation. Many workshops on upcoming trends in technology like IoT with Raspberry Pi and Machine Learning and sessions on research paper writing and resume writing have been held in this year's session.



ENACTUS

Faculty Advisor : Dr. Nidhi Goel, Associate Professor, Department of ECE.

Enactus is an international non-profit organization that brings together students, academic practitioners and business leaders who are committed to using the power of entrepreneurial action to improve the quality of life and standard of living for the people in need. This society aims to take up an entrepreneurial venture at a time and use it to create self-sufficiency in the strata of society with underprivileged individuals.

Khidmat-Enactus IGDTUW's first social initiative, aims at making women self-reliant by starting their own culinary business. This has resulted in annual revenue generation of nearly 1 Lakh rupees for each of the associated women for a period of one year. Another entrepreneurial venture, Project *Gulkaari*, promotes the embroidery and stitching skills of Rohingya refugee women to create women entrepreneurs and provide not only a flow of income for the community but also instil a sense of confidence, independence and acceptance among them. Enactus IGDTUW also actively works to spread awareness about menstrual

hygiene and sanitation. Project *Dharini* was launched with the objective to deal with the menace of sanitary napkin disposal in an eco-friendly manner, while at the same time providing employment to the underprivileged potters of Delhi.

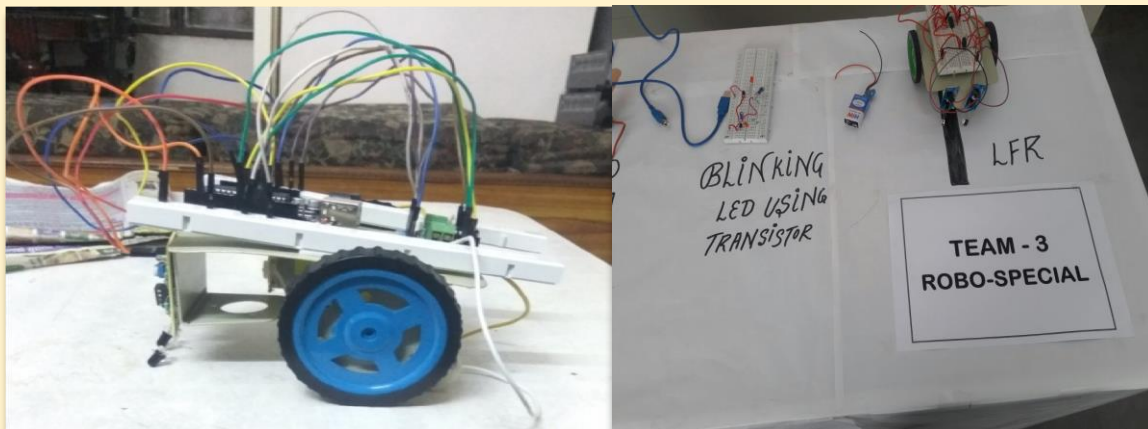
Project *Dharini* of Enactus IGDTUW won the **National Budding Innovators Award – 2018** for an earthen sanitary napkin incinerator for sanitary napkin disposal, made from terracotta and concrete. This has already been launched as a pilot project at *Raahat* toilet complex in Sultanpuri, Delhi in June 2018 in collaboration with Enactus SSCBS. Efforts are being made to set up at least 10 more incinerators by the end of this year, and to further install such incinerator all across Delhi-NCR in schools, colleges, welfare homes, etc.



ROBOLUTION

Faculty Advisor : Dr. Nidhi Goel, Associate Professor, Department of ECE.

Team Robolution is the robotics team of IGDTUW. The team comprises students from various branches (CSE, IT, ECE & MAE) including the first-year students. The new members are trained/mentored by the previous members and encouraged to take part in various intercollege



and national robotic Events/Competitions. Every year, team Robolution participates in an Asia-Pacific Robot Contest ABU-ROBOCON, which has a different theme declared in August each year; the design phase begins immediately after that as the bot is designed as per the theme and specifications of bot. Students build the robots right from scratch. The last few weeks are spent in practicing in the arena and rectifying the problems. Since the bot is prepared entirely by the students they learn about design, construction and building using Arduino microcontroller, propellers, pneumatics actuators, omnidirectional wheels, Open-CV, Kinect, MATLAB etc. apart from the cutting, drilling, riveting, welding and wiring tasks.

LEAN IN

Faculty Advisor : Dr. Richa Yadav, Assistant Professor, Department of ECE.

LEAN IN IGDTUW aims to boost the growth and empowerment of students at IGDTUW by forming circles where all the circle members are dedicated to a common goal, implementing community growth and equality. For the academic year 2017-18, Lean In IGDTUW took massive leaps towards development in all horizons possible. The core team worked extensively to bring about the change and manage the happenings of the society. The society got the opportunity to be featured on the official website of Lean In Organisation.



This organisation has its headquarters located in

California, USA. Ava Mohsenin, the digital content specialist of Lean In and Paula Bronstein, a photojournalist who is known for her work worldwide visited the campus in August, 2018 for two days (August 12 and August 13) to cover the mechanical engineers circle of the University.

TARANNUM

Faculty Advisor: Dr. Bhavya, Assistant Professor, Department of ASH.

Tarannum, the 3-year-old music society currently has more than 50 members from all courses(BTech/ BArch/ MTech/MCA). The society aims to create and spread a culture of music & cultural participation in the college. This year, Tarannum represented IGDTUW at more than 10 inter-college platforms including IIT-Delhi, BITS-Pilani, IIITD, JDMC, Gargi, Manav Rachna, Hansraj. Also, the society conducted many in house activities for the University

students, like, “A tribute to Gandhi” & awareness of LGBTQ in collaboration with Avataran- the e-magazine of IGDTUW. The society also conducted music workshops in winter holidays for music enthusiasts and concluded the session with Symphony- the first annual music event of Tarannum in April, 2019. Currently the society is being managed by a 6-member student core body. The society does not restrict itself to any particular genre and evolves according to the interest of its members and hence it has 3 ensembles, namely the western choir (ACCORDO), the Indian choir (ROOH) and the rock band(AVASA). Tarannum aims to create a stress-free atmosphere for all the students of IGDTUW by its music endeavours for the future as well. All students of the college are free to join the society at any time of the year.



ZENA - FASHION SOCIETY

Faculty Advisor: Ar. Sneha Maji, Assistant Professor, Department of Architecture and Planning.

Zena-the fashion society of IGDTUW was founded in the year 2013. Its existence came into light with various shows in and out of college. The fashion society of IGDTUW participates in various events and creates visibility for IGDTUW as a University. It steps ahead in showcasing various issues pertaining in society. Over these five years, it has got huge appreciation from everywhere and they have represented IGDTUW at various forums. It is continuously putting efforts to become one of the best societies around. Through the past five years, Zena has been focusing on portraying social issues like water pollution,



women empowerment, sustainability and LGBTQ+ awareness through fashion. The students are working on designing their clothes, accessories, and props. They also attend various workshops for grooming their talents. Zena society also hosts workshops and guest lectures in the University from time to time. In 2020, the students of Zena, bagged the second position in the fashion competition held on 25th January'20, Ramp Burn hosted by Indian Institute of Foreign Trade's Annual Cultural Fest, Quo Vadis. The society was awarded with certificates and vouchers from brands like VLCC and Delhi College of Photography.

GREEN SPHERE

Faculty Advisor: Dr. Bhavani Prasad Naik, Assistant Professor, Department of ASH.

"Green sphere" is the Environmental Society, which was formed in October 2008. It aims at spreading environmental awareness and is an initiation by those who comprehend the engineering of ecological balance and the effect of our routine activities on our immediate environment. The organized activities and events focus on creating awareness among students and encouraging greener practices. Some of the initiatives taken by the society are: Sapling Distribution on Orientation Day every year to welcome the new students of the Institute, Poster Making Competition, Plantation Drive and Theme Photography Events. Green sphere also organizes several events and awareness campaigns such as Anti Firecracker awareness course, Earth Hour signature campaign, thematic T-shirt painting and Video-making competitions, workshops and seminars conducted by NGOs like ICPE, WWF, TERI, CSE, Swachha and many more. In addition, the society has initiated implementing the activities of Swachh Bharat Mission in IGDTUW. This society works in collaboration with Department of Environment, Govt. of NCT of Delhi. The Green Sphere society of IGDTUW has successfully installed a Paper Recycling Unit which is being run by the students quite effectively and efficiently. The unit makes quality paper out of waste, which is used for making Greeting Cards, Invitations, Fest charts etc. The society is active on all major social media platforms and can be contacted at: <https://www.facebook.com/greensphereigdtuw> and mail: greensphereigdtuw@gmail.com

ROTARY CLUB-IGDTUW

Faculty Advisor: Dr. Vandana Niranjani, Associate Professor, Department of Electronics and Communication Engineering

The Rotary club-IGDTUW is the student body representation of Rotary International at Indira Gandhi Delhi Technical University for Women. This society aims at women's empowerment through social service. Being in an engineering stream, society members aim to use the engineering skills to design products and projects to make the world a better place for everyone. The members strive to steer the club on the path laid down by the maxims and morals of Rotary International, as individuals and as a collective entity.

SYNERGY – SPORTS CLUB

Faculty Advisor: Dr. Dinesh Ganotra, Assistant Professor, Department of ASH

Synergy is the Official Sports Club of IGDTUW. We, at Synergy believe in inculcating the spirit of sports among women. Our teams have participated and won many laurels in various inter college sports meets. Synergy conducts intercollege tournaments of volleyball, cricket, badminton and many more sports. We also regularly conduct events and sports challenges in the University, mainly to involve more and more women and give them the push they need to pursue sports.



TECHNOLITERATI

Faculty Advisor: Dr. Bhavya, Assistant Professor, Department of ASH.

Techno literati is the Literary Society of IGDTUW which aims at the amalgamation of creativity and literary talent in the students. It inspires young budding engineers to open their minds up and let their imagination fly, to write candidly, speak fluently and express freely. It encourages students to contribute articles for the college student magazine and actively participate in all the events that the society organizes. Apart from conducting regular events like Debates, Elocutions and Group Discussions, the society took some new initiatives



like starting an Interview preparation Club named “Prep-interview” which organizes talks by placed senior students regarding the placement drives and online coding competitions so as to let the learners enhance their skills. The society also aims to engage students over social media platforms like Facebook by organizing competitions online as well, like “Uncover the Cover” to guess the name of the book and author by seeing the cover of the book and so on.

HYPNOTICS –DANCE SOCIETY

Faculty Advisor: Ms. Neha Singh, Assistant Professor, Department of ECE.

The Dance Society literally hypnotizes every student of the University with its ever-growing charm. It has brought laurels to the University like none other. The members of this society dance on a multitude of forms including jazz, hip-hop, freestyle, lyrical, Bollywood, contemporary etc. They have not only won several awards and accolades but have also made a name for themselves.



INSTINCT: THE PEER EDUCATOR’S AND LIFE SKILLS SOCIETY

Faculty Advisor: Dr. Bhavya, Assistant Professor, Department of Applied Sciences & Humanities

Started in 2016 with a vision to inspire and providing tools to women to question social norms and explore themselves, Instinct has grown exponentially in the last three years to become a community of over 300 members from both undergraduate and post-graduate studies.

With the advent of Instinct, it saw various issues come to light. Lack of self-esteem among women, anger and stress management, disturbed mental health, complex family issues, taboo subjects and being forced into engineering were some of the major issues Instinct took upon itself to talk and discuss about. Instinct took weekly sessions on self-introspection, mental health, time management, concept of happiness, procrastination, relationships, substance abuse and cyber safety. Instinct started confidence and public speaking module for students

to help with their self-esteem issues, Women Hacks module for technical help and providing mentorship to students, and Soul Speaks, a community for women to share their problems anonymously. Instinct regularly conducts various activities like debate, elocution, case study competitions, drawing and comic competitions to inculcate critical and creative thinking among the community members. Recently, Instinct also organized sessions on sex education and mental health by external experts to create awareness about issues not talked about in the mainstream discussion.



AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) CHAPTER

Faculty Advisor: Dr. Vivek Chawla, Assistant Professor, Department of MAE.

The American society of Mechanical Engineers (ASME) chapter was established to achieve the desired objectives of popularization of the organization and facilitating practical knowledge and applicative thinking among the students. MAE students are active members of ASME and the society conducts various events like industrial visits, specialized seminars on new technologies, quizzes and expert lectures to keep the students of



IGDTUW updated with the information and knowledge of the latest technologies. ASME is an organization which has a tremendous international outreach which helps benefit the University students as they can apply their practical and theoretical knowledge for research and innovation.

SAE COLLEGIATE CLUB

Faculty Advisors: Dr. Vivek Chawla, Assistant Professor and Dr. Manoj Soni, Associate Professor, Department of MAE

The Society of Automotive Engineers (SAE) chapter was established to achieve the desired objectives of popularization of the organization and facilitating practical knowledge and applicative thinking among the students. MAE students are active members of SAE and the society conducts various events like industrial visits, specialized seminars on new technologies, quizzes and expert lectures to keep the students of IGDTUW updated with the information and knowledge of the latest technologies and developments. A number of technical societies participate in various events organized by SAE. These include BAJA, SUPRA, Effi-cycle, AWIM among the major events. Teams from various colleges participated in these events and performed well.

Aious Formula Student is a team of highly dedicated students pursuing Mechanical and Automation Engineering at Indira Gandhi Delhi Technical University for Women. The aim is to conceptualize, design and fabricate a formula style student vehicle that will set a benchmark for any mechanical engineer trying to put their learning into application. The team is committed to work sincerely and excel together. This year the team tried to make simple, low weight car that fulfilled all the rules mentioned in the rule book.



ANTARGAT- CREATIVE SOCIETY

Faculty Advisor: Ar. Preeti Chauhan, Associate Professor, Department of Architecture & Planning.

'ANTARGAT' means 'within'. This creative society looks at waste with a different perspective. Waste is only waste if wasted. Every waste has some useful potential to be identified and put to work. The society is initiated to collect likeminded individuals who have a different perspective to waste and an eye for creative modelling of the same

The society commenced in 2017 is in its nascent state and is looking for crazy ideas. Some individualistic works can be seen as a remodelled lamp out of University old stool, benches and planter establishment out of civil waste, earrings and bracelet waste, Inverve leftover frames, old shoes and T-shirts etc. The ideation of the society is to recycle, remodel, reuse waste from the University and likewise, putting condemnation process to a new visionary outcome.

RAHNUMA-DRAMATICS SOCIETY

Faculty Advisor: Ar. Venus Kashyap, Assistant Professor, Department of Architecture and Planning.

A team of enthusiastic and hardworking students who share a common passion for the theatre, the members of Rahnuma always leave the spectators spell bound with their energetic performances. Their street plays are based on serious and relevant topics like prostitution, atrocities on women and various other issues concerning the common man. The best part about their plays is that these students are able to connect with the audience, move their hearts and deliver serious messages in a light hearted manner. Thus, apart from winning several awards in various college fests they are also doing their bit for the society by generating awareness towards gender sensitivity among masses.

SPIC MACAY CHAPTER

Faculty Advisor: Dr. Geeta Sachdeva, Assistant Professor, Department of Applied Sciences & Humanities

Society for the Promotion of Indian Classical Music and Culture Amongst Youth

(SPIC MACAY)The IGDTUW SPIC MACAY Chapter is an extension of the philosophy of the SPICMACAY's intention to enrich the quality of formal education by increasing awareness about different aspects of Indian heritage and inspire the young minds to imbibe the values embedded in it.

The society founded in 1977 by Dr Kiran Seth, Professor-Emeritus at IIT-Delhi seeks to conserve and promote an awareness of the rich and heterogeneous cultural tapestry of our beautiful motherland amongst the youth of our country through focus on classical arts, with their attendant legends and philosophy, and to facilitate an awareness of their deeper and subtler values.

In continuation of the same spirit, the SPIC MACAY chapter of IGDTUW organized an Odissi Dance Recital by Vidushi Kavita Dwibedi on 23rd September, 2019 at the University. The event turned out to be a great success as all in the audience were captivated with the enthralling performance of Kavita ji and her team. With her mohak mudras she explained the Navarasa namely, Shringara (love/beauty), Hasya (laughter), Karuna (sorrow), Raudra (anger), Veera (heroism/courage), Bhayanaka (terror/fear), Bibhatsya (disgust), Adbhutha (surprise/wonder), and Shantha (peace or tranquillity) with mesmerizing grace and beauty.

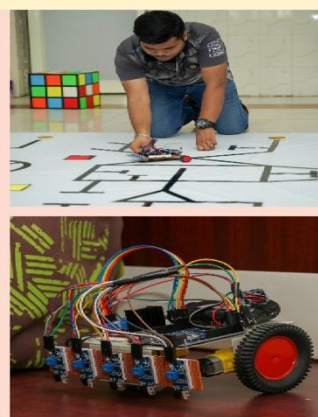


The IGDTUW SPIC MACAY CHAPTER organised Odissi Dance Recital to promote the classical music and dance of India on 23rd Sept., 2019.

ANNUAL TECHNICAL FEST – INNERVE 2019

The annual technical fest of IGDTUW, "Innerv", was organized on 11th – 12th October 2019. The fifth edition of Innerv was kicked off via an inaugural ceremony which was graced by the presence of the Vice-Chairman of AICTE on 10th October.

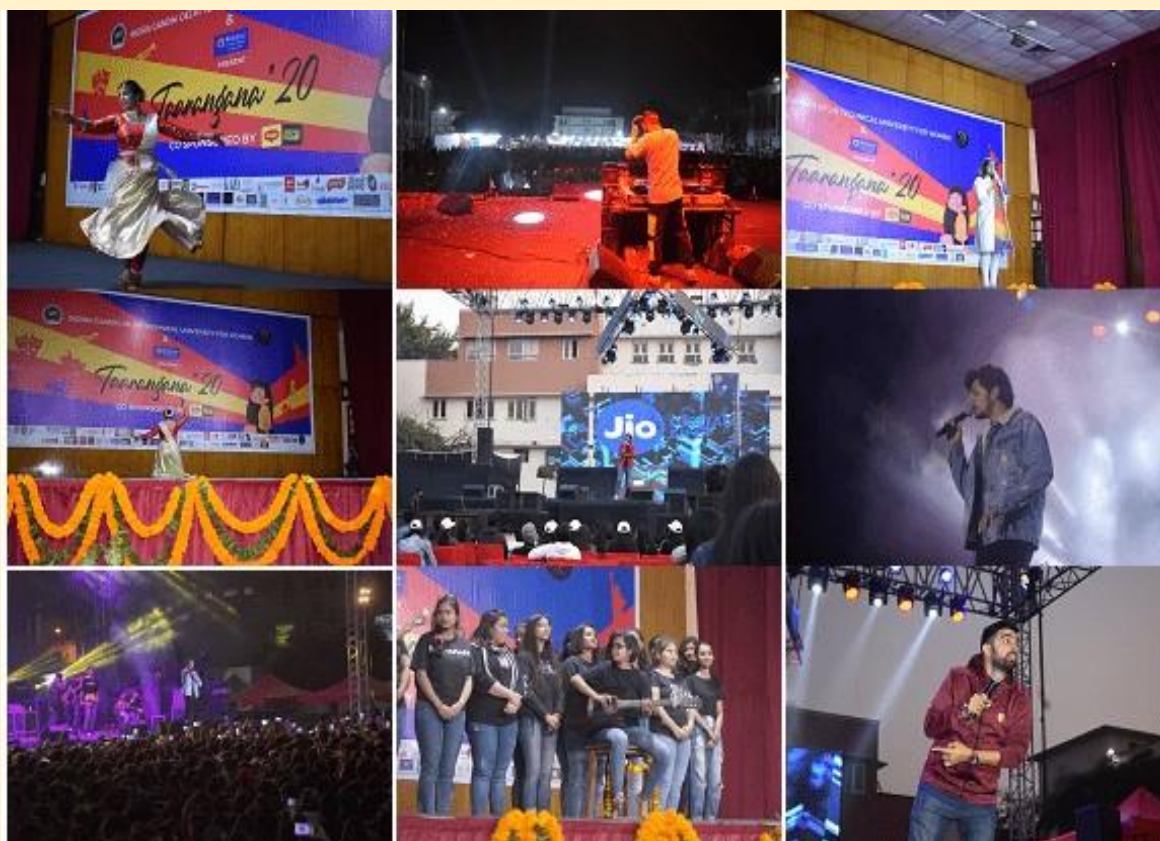
This year, Innerv witnessed a tremendous amount of footfall and an overall reach of over 1 lakh from premiere colleges all over India. The participants engaged in over 30 competitions, workshops, hackathons, and other fun technical events spanned over several months. The tech fest also launched a social campaign termed "SheShakti", which was a series of self-defence workshops conducted in various schools to empower young girls. Innerv also demonstrated technical creativity with the conception of a helpful chatbot, "Scooby" which aided participants throughout the two-day extravaganza.



ANNUAL CULTURAL FEST – TAARANGANA 2020

Taarangana, the Annual Cultural Festival of Indira Gandhi Delhi Technical University for Women, was declared open by Hon'ble Vice Chancellor of IGDTUW Dr. Amita Dev in the evening of 30th January, 2020 in the presence of Registrar, Deans, Faculty, staff members and students. The theme for Taarangana'2020 was Minerva: a Talent Tapestry.

The objective of the fest was to provide a platform to all students to showcase their talents in various cultural art forms. The two days of excitement beginning from the inaugural on 30th evening continued on 31st January and 1st February, 2020. Taarangana saw a tremendous footfall, incredible participation, and an exciting response from students all across Delhi NCR. Among the plethora of successful events were Antraa, Anhad, Aaghaz, Knights of the Fall, Lilac Dreams, Campus Princess, Mr. and Ms. Taarangana, Rangmanch, Pop Art, Synnove, Moodle Doodle, Urban Thump, Pitch perfect and many more events which attracted more than 20 thousand students in the span of two days.



The highlight of Taarangana'20 was the pro night which saw the singing sensation, Darshan Raval and DJ M octave mesmerise the audience with their stupendous performances on the first day. The second and last day of the fest came to a refreshing finale with the super entertaining performances of popular sand up comedians, Sahil Shah and Rahul Dua, followed by an energetic and enigmatic Vanmoon by VH1 SuperSonic.

ANNUAL SPORTS MEET – IGNITE 2020

The Annual Sports of IGDTUW was held at Jawaharlal Lal Nehru Stadium on 16-17 February 2020. SAI affiliated referees were invited to conduct and evaluate the sports event.

Students from various universities and colleges like Delhi Technical University, IIT Delhi, Lady Irwin College, Lady Harding Medical College, Jamia Hamdard, NSUT, Gargi College, Shivaji College, Janaki Devi Memorial College, MSIT, Jesus & Mary, DDU, SGT, IGIPSS, etc. participated in the Annual Sports Meet. About 150 students from various universities participated in team events like Basketball, Volleyball, Badminton and 56 students in individual sports like 100m race, etc.



COLLABORATION WITH DELHI GOVT. DEPARTMENTS

- Delhi Subordinate State Selection Board (DSSSB)
- Dept. of Vigilance.
- MoU with Municipal Corporation of Delhi (MCD).
- Training of Delhi Police Staff on Cyber Security & Cyber Crime.

PRESTIGIOUS COLLABORATIONS

- IGDTUW has been selected by DST for building Centre of Excellence in Artificial Intelligence.
- United Kingdom Research and Innovation, Centre of Ecology & Hydrology (CEH), UK.
- University has received approx. Rs.60 Lakhs of equipment from NASSCOM & CISCO for setting-up of thingQbator (Internet of things Innovation Lab) in IGDTUW.
- University has received approx. Rs.22 Lakhs of equipment from M/s. Flour Daniel for setting-up of Turning Lab in MAE Department.
- National Ping Tung University [NPTU], Taiwan for Research Collaboration, Student and Faculty Exchange etc.
- Maykop State Technological University, Russia for Collaborative Research, Student and Faculty exchange Course and for jointly organizing Symposia, Seminars, etc.
- Cyber Peace Foundation for setting up of Cyber Research Lab.
- EATON Foundation for disbursing scholarships to the students etc.
- MoU between IGDTUW and IBM India Pvt. Ltd. for Academic Growth and Technological advancement.

CSR INITIATIVES

Indira Gandhi Delhi Technical University for Women (IGDTUW) has been a part of Unnat Bharat Abhiyan as a Participant Institute (PI), under the dynamic leadership of Dr. (Mrs.) Amita Dev, Honourable Vice Chancellor, IGDTUW. Since beginning, she has taken keen interest in establishing the University-Community link to ensure that the benefits of such interventions reach directly to the grass root level. Under this initiative, the University has adopted following five villages in Civil Lines Subdivision area of Central Delhi:

- Kamal Pur Majra
- Jhadoda Majra
- Burari Village
- Salempur Majra
- JagatPur Village

Various activities are being implemented in the adopted villages with the help of Local administration, community and schools.

SECOND CONVOCATION 2019

Indira Gandhi Delhi Technical University for Women, Delhi celebrated its **second convocation** ceremony on 27th November, 2019. The ceremony was chaired by Sh. Anil Baijal, Lt. Governor, Delhi and Chancellor, IGDTUW. Sh. Manish Sisodia, Dy. Chief Minister, GNCTD was the Guest of Honour and Prof. K.K. Aggarwal, Chairman, NBA was the Chief Guest. The ceremony was graced with the presence of Dr. Amita Dev, Vice Chancellor, IGDTUW, Dr. G. Narendra Kumar, Pr. Secretary, DTTE, GNCTD, Sh. Sandeep Kumar, Secretary (Higher Education), GNCTD and Prof. R.K. Kale, Chairman, Board of Management. Also, in attendance were other dignitaries from the academic world, industries and the Govt. of NCT of Delhi. The Convocation began with a majestic and grand academic procession. Dr. Amita Dev, Vice Chancellor, IGDTUW presented a detailed report about the progress and the achievements of the University. She emphasised that “Empowering women is a prerequisite for creating a good nation, when women are empowered, society with stability is assured. Empowerment of women is essential as their value system leads to the development of a good family, society and ultimately a good nation”. She also briefed about the Faculty accomplishment, student accomplishment and collaborations of IGDTUW with the leading industry and academia. She mentioned that Innovation & Incubation Centre established with the grant of the Govt. of NCT of Delhi is working with the mission to promote entrepreneurship and inculcate innovation amongst girl students. It aims to seed a new ethos where students will understand and encourage entrepreneurship as a preferred career option. The students of the University are placed with highest domestic package of Rs. 41.6 lakhs offered by Microsoft and whooping internship offers from the various top-notch companies.

Total 408 students graduated including 257 undergraduates, 147 post graduates, and 4 Ph. D Fourteen (14) students were awarded various medals including Two (02) Chancellor Medal, Ten (10) Vice-Chancellor Medal and 02 Exemplary Performance Silver Plaque on this glorious occasion for their outstanding academic achievement.



Hon'ble Deputy Chief Minister appreciated the achievements of the University and stated that the University should provide the education with the aim to prepare more entrepreneurs so that they can be job giver instead of job seeker. He stated that the students of the University may come with the innovative ideas and the Govt. of Delhi is providing seed money to the students to convert their ideas into product. His Excellency Sh. Anil Baijal mentioned that, it is matter of great pride to know that in the last couple of years IGDTUW has placed greater focus on building research facilities

augmented by Grant from various National and International agencies. It is always a good initiative and IGDTUW is working towards strengthening its links with foreign institutions of higher learning by signing MOUs. Hon'ble Chancellor advised the students that during their exciting professional journey, they do not forget to give back to the society, and to alma-mater.

The Chief Guest, Prof. K.K. Aggarwal extended hearty congratulations and best wishes to all Graduates. He stated that the students are fortunate to get the opportunity to study in such an illustrious University and should therefore justifiably be feeling proud today. He stated that for an engineer, education is a lifelong pursuit. An exhibition showcasing the various projects and the products developed by the incubatees and the students was also exhibited.



FIRST ALUMNI MEET

Indira Gandhi Delhi Technical University for Women organized its 1st Alumni meet and Industry-Institute Network Meet on 27th November, 2019 from 6-8 pm in the Heritage Campus of Kashmere Gate, Delhi06. The event witnessed an overwhelming response, with alumni graduates attending the Alma Mater. Ms. Durga Shakti Nagpal, IAS (IGDTUW Alumni) was felicitated with the Distinguished Alumni Award by Dr. Amita Dev, Vice-Chancellor, IGDTUW. A Memorandum of Understanding was signed between IGDTUW and IBM India Pvt. Ltd. for Academic Growth and Technological advancement. Dr Amita Dev, Vice-Chancellor, IGDTUW informed all that this year Microsoft IDC has offered the highest package of 43.3 lakhs CTC and has selected 8 full time and 15 interns. Till day 454 offers (full time and internship) have been bagged during the ongoing campus placement. She also thanked the Industry Professionals present, for showing keen interest in the students of IGDTUW. There was a vibrant cultural course by the University students and empowering keynotes by learned people. 1st Alumni and Industry Networking Meet happened on 27/11/2019 at IGDTUW.



STUDENTS AWARDS AND ACCOLADES

- **Harshita Kalsi, ECE, Batch of 2020** has received the Richard E. Merwin Student Scholarship for Spring 2019 comprising of \$1000 cash grant and a Certificate of recommendation.
- **Manibha Sharma, ECE Batch of 2020** has received First Prize in the VLSI Design Contest as a part of 32nd International Conference on VLSI Design and 19th International Conference on Embedded Design and received a cash prize of Rs.50,000/- and an opportunity to intern at IIT Guwahati.
- **IGDTUW OSA Student Chapter** will be receiving TWO "Optics in Action" Kits to celebrate the 2020 International Day of Light (16 May 2020), The Optical Society, USA will be providing 80 "OPTICS IN ACTION" kits to student chapters to utilize in their communities around the world. These kits contain lesson plans and experiments that can be leveraged to highlight concepts in optics and photonics and generate greater awareness of the impact of science on society! Each kit will have supplies for a classroom of 30 students. OSA has created 80 such kits for distributions in universities across the globe, and it's a matter of joy that IGDTUW will be receiving TWO such kits.
- Gandhian Young Technological Innovation Award was given to Manasi Mishra.



The Hon'ble Vice President of India, Shri M. Venkaiah Naidu awarded the Gandhian Young Technological Innovation (GYTI) Award to Manasi Mishra, Indira Gandhi Delhi Technical University for Women (IGDTUW) at the GYTI 2019 Awards function held at Vigyan Bhawan, New Delhi on July 06, 2019.

- Student of IGDTUW has been selected for Student Leadership Course to be held from 13-19th September 2019 in Washington DC, USA with 100% sponsorship/Grant by OSA.

- Ms. Pooja, a student of M.Tech. ISM was selected to attend 7th HEIDELBERG LAUREATE FORUM event in Germany which is organized by ACM and attended by Nobel Laureates and Turing Award winners along with world top Computer Scientists and researchers. Across the globe approx. 200 students are selected for this event to attend for getting an exposure about the latest research and innovation



7thHeidelberg laureate forum in Germany

- Shambhavi Chaturvedi, student of 3rd Year, MAE won Eaton Pratibha Scholarship Award that aims to recognize exceptional women engineering students in leading engineering institutions in India. She presented a paper on the topic ‘Novel Energy Storage Technologies’ on 14 February, 2020 and received a cash prize of INR 56,000 as the scholarship amount.
- Vaishali and Katya Sah, students of 3rd year MAE got the “Kalpana Chawla” Scholarship award for the year 2019- 2020 by SAEINDIA Foundation during event held at Pride Plaza, Aerocity, Delhi on 10th February, 2020, which was awarded to three Women under graduate student across India in memory of first Indian origin female Astronaut.



SAEINDIA Foundation Felicitation Event

Shreya Dhawan won Mech-Aura 2019-2020, a national competition organised by Collins Aerospace in January 2020 in Bangalore, Karnataka and received a cash price of INR One Lakh.

- Team Shakti of MAE Dept. brings laurels for Department and University Bike Competition held at O.P.Jindal University, Raigarh, Chhattisgarh, from 13 to 16 January, 2020. IGDTUW girls got award of Rs 5000.00 and a trophy for making lightest electric bike.
- Saumya Chauhan (ECE 3rd year) received Linux Foundation Diversity Scholarship for attending Open Source Summit and Embedded Linux Conference in Lyon, France in October 2019. The scholarship was worth the attendee pass worth 800 dollars
- Sheryl Gupta B.Tech., ECE, final year attended HPAIR(Harvard Asian Project for international relations) Asia conference, Kazakhstan. 300 delegates were selected all across the world.
- Aditi Shukla , ECE 2nd year student participated in IIT KANPUR (UDGOSH)-800m race and won Silver
- Pearl Pullan received a Google Home from Google for creating a bilingual action for Google Assistant. Highest-ranking blog on 'MNP Process' and Garnered the most sessions in the first quarter of 2019 for Knowlarity.

GLIMPSE OF UNIVERSITY'S LATEST EVENTS



IGDTUW has been selected by QS I GUAGE for the award of E-LEAD INSTITUTE for E-learning Excellence for Academic Digitization. IGDTUW is the **first Government University/College in India** who is receiving this award.



Summer internship on Cyber Security : Attack and Defence has been conducted from 03rd June 2019 to 28th June 2019 by Department of IT under aegis of ISEA Project jointly with Cyber Peace Foundation.



Department of CSE organized two days' workshop on "Data Science- Research Issues and Applications" on 10th Jan to 11th Jan,2020



Poster painting competition held on 16th Jan 2020 in collaboration with MCD Delhi along with Department of Architecture and Planning.

INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN
Invitation
 We cordially invite you to celebrate the spirit of
"Women in Science"
 on
International Day of Women and Girls in Science
Our Eminent Speaker:

Dr. Pratibha Jolly
 FInstP (IOP,UK), FNASc
 Science and Society Fellow, NASI
 Former Principal, Miranda House
 An Enthusiastic Academician
 Date: February 11, 2020
 Time: 11 AM
 Venue: Auditorium, IGDTUW
 Organised by:
 Department of Applied Sciences and Humanities, IGDTUW
 and
 OSA IGDTUW Student Chapter

Indira Gandhi Technical University For Women
 Kashmir Gate, Delhi
Welcomes
Our Eminent Speaker :

Dr. Pratibha Jolly
 FInstP (IOP, UK), FNASc Science and Society Fellow, NASI
 Former Principal, Miranda House, DU
 An Enthusiastic Academician
 On
International Day of Women And Girls In Science
11th February, 2020
 Time : 11:00 A.M.
 Venue : Seminar Hall, IGDTUW
 In Association With

ORGANISED BY :
IGDTUW OSA STUDENT CHAPTER & DEPARTMENT OF APPLIED SCIENCES & HUMANITIES, IGDTUW

"IGDTUW OSA Student Chapter" has received the **"Diversity and Inclusion Grant-2020"** of **\$2000 USD (Two thousand USD)**. The grant has been provided to sponsor high-impact events focused on diversity and inclusion, particularly to include the **"International Women and Girls Day in Science"**, that is on **11th Jan, 2020**.



Anveshan Foundation had organized by Lemon Idea with the support of GiZ, Udchalo and several others organised a Regional level contest at IGDTUW on 3rd Jan., 2020. Top 5 teams qualified for national round and Two from Anveshan Foundation Incubatee ETI Labs and STEMEDU qualified for final national round of Infopreneur at contest at IGDTUW.



Department of Information Technology organized 1st International Conference on Artificial Intelligence and Speech Technology (AIST2019) from 14-15th November, 2019. The conference was attended by more than 100 participants from India, Hungary, Japan, Czech Republic, Myanmar and others. During the inauguration of the Conference, Dr Neeta Verma, Director General, NIC was the Chief Guest and Mr Vivek Khaneja, Executive Director, CDAC and Mr Sanjay Gupta, VP, NXP were the Guest of Honor.



Painting Competition conducted in Government Girls Senior Secondary School, Nathupura sensitising student on the theme of 'SAVE WATER' under Unnat Bharat Abhiyan 12th March 2020.



One Week Specialized Training Programme on “Cyber Security and Digital Crime Investigation” for Delhi Police Inspectors from 23rd December, 2019 to 28th December, 2019 under the aegis of ISEA Project, MeitY, Govt. of India.



DST-SERB Sponsored One Week Faculty Development Course 20th - 24th Jan-2020.

Admission Guidelines (Only Female Candidate can apply)

M.TECH. 2-YEAR (4-SEMESTER) COURSE

Eligibility Criteria

S.No.	Name of the Course	Minimum Eligibility
1.	M. Tech. CSE (Artificial Intelligence)	Minimum 60% or equivalent in the qualifying exam as under: B.Tech. / B.E.in CS/IT/ECE or MCA or M. Sc. (Computer Science)/ M.Sc.(IT) or equivalent from a recognized University.
2.	M. Tech. ECE (VLSI Design)	Minimum 60% or equivalent in the qualifying exam as under: 1. 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 2. AMIE/ AMIETE in relevant discipline. OR 3. M.Sc.(Electronics/Physics with Electronics/ Informatics/ Computer Sciences)
3.	M. Tech. IT (Information Security Management)	Minimum 60% or equivalent in the qualifying exam as under: 1. 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 2. AMIE/AMIETE in relevant discipline. OR 3. MCA/M.Sc.(Computer Science/IT) or M.Sc. (Maths/ Statistics) with Computer/IT as a major subject.
4.	M.Tech (Robotics and Automation)	Minimum 60% or equivalent in the qualifying exam as under: 1. B.Tech./B.E.Degree in Computer Science /Computer Engineering / Instrumentation and Control / Electronics & Communication Engineering / Electrical / Production/ Mechanical and Automation/Industrial/Automobile/Information Technology/Computer Science and Engineering or equivalent from a recognized University. OR 2. AMIE/ AMIETE in relevant discipline.

Relaxation in marks for reserved categories

- 1) *Other Backward Class (OBC_NCL) / Defence Category (CW)*: 5% relaxation of marks in the minimum eligibility requirements.
- 2) *Scheduled Castes (SC) and Scheduled Tribes (ST) / Differently Abled Persons (PD)*: 10% relaxation of marks in the minimum eligibility requirements.

- 3) *Kashmiri Migrant (KM)*: 10% relaxation of marks in the minimum eligibility requirements.

Admission Procedure

The admission to M.Tech. course will be on the basis of the valid GATE Score secured by applicants and thereafter on the basis of the marks secured in the qualifying examination, as per the eligibility. First preference would be given to candidate having valid GATE score.

***Note: Candidate appearing in Final year/semester of their qualifying degree may also apply.**

M.PLAN. (URBAN PLANNING) 2-YEAR (4-SEMESTER) COURSE

Eligibility Criteria

An applicant passing any of the following qualifying examination with Minimum 60% or equivalent

- 1) B. Arch. or its equivalent; or
- 2) B.E/B. Tech. in Civil Engineering or equivalent; or
- 3) B. Planning or B. Tech. (Planning) or equivalent

Equivalence for the qualifying degree shall be as per AICTE Gazette Notification ADVT.III/4/Ext./40/2017(162)dated 28th April 2017 or latest Gazette notification or CoA guidelines/regulation.

Relaxation in marks for reserved categories

- 1) Other Backward Class (OBC-NCL) / Defence Category (CW): 5% relaxation of marks in the minimum eligibility requirements.
- 2) Scheduled Castes (SC) and Scheduled Tribes (ST) / Differently Abled Persons (PD):10% relaxation of marks in the minimum eligibility requirements.
- 3) *Kashmiri Migrant (KM)*: 10% relaxation of marks in the minimum eligibility requirements.

Admission Procedure

The merit list for admission to M.Plan. (Urban Planning) course will be prepared on the basis of the valid GATE Score secured by applicants and thereafter on the basis of the marks secured in the qualifying examination, as per the eligibility.

***Note: Candidates appearing in Final year/semester of their qualifying degree may also apply.**

MCA 3-YEAR (6-SEMESTER) COURSE

Eligibility Criteria

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-year duration or any qualification recognized as equivalent thereto, with at least 60% marks in aggregate.

Relaxation in marks for reserved categories

- 1) Other Backward Class (OBC-NCL) / Defence Category (CW): 5% relaxation of marks in the minimum eligibility requirements.
- 2) Scheduled Castes (SC) / Scheduled Tribes (ST) / Differently Abled Persons: 10% relaxation of marks in the minimum eligibility requirements.
- 3) *Kashmiri Migrant (KM)*: 10% relaxation of marks in the minimum eligibility requirements.

Admission Procedure

The admission to MCA course of IGDTUW is on the basis of rank secured in the Common Entrance Test (CET) to be conducted by IGDTUW. If the seats remain vacant, applicants having valid NIMCET rank shall be considered in the Spot Round subject to meeting the eligibility criteria.

***Note: Candidates appearing in Final year/semester of their qualifying degree may also.**

Ph.D. COURSE

Eligibility Criteria

The minimum entry qualifications for Full-Time/Part-Time Research Scholars are as follows:

- 1) **For Engineering:** M.E./M.Tech. Degree or equivalent from a recognized University/ Institution in the relevant discipline with minimum of 60% marks in aggregate or its equivalent CGPA in the point scale and B.E./B. Tech. or equivalent with minimum of 60 % marks in aggregate or equivalent CGPA.
- 2) **For Computer Applications:** MCA from a recognized University/ Institution with minimum of 60% marks in aggregate or its equivalent CGPA in the point scale and Graduation Degree (with Sciences and Mathematics) with minimum of 60% marks in aggregate or equivalent CGPA.
- 3) **For Sciences:** Masters Degree in the relevant discipline from a recognized University/Institution with 60% marks in aggregate or its equivalent CGPA in the point scale and undergraduate degree in the relevant discipline with 60% marks in aggregate or equivalent CGPA.
- 4) **For Humanities:** Masters Degree in the relevant discipline from a recognized University/Institution with 55% marks in aggregate or its equivalent CGPA in the point scale and undergraduate degree in the relevant discipline with 55% marks in aggregate or equivalent CGPA.

Note:

Applicants belonging to Schedule Caste ,Schedule Tribe ,OBC (Non Creamy Layer) and Differently -abled Categories will be given 5% relaxation in minimum entry qualification marks.

Applicants appearing in Final year/semester of their qualifying degree may also apply.

An applicant is eligible for Part-Time Research Scholar (Sponsored)/ Full-Time Research Scholar (Sponsored), provided she fulfils the following conditions:

- 1) The Applicant possesses the minimum entry qualifications for the degree as mentioned in Eligibility Criteria.
- 2) The applicant is presently employed under any of the following categories :
 - a. Applicant is working in organizations which have MOU with IGDTUW.
 - b. Applicant is working on Full-Time basis (regular/adhoc/contract) in a National Level R&D Lab/ a reputed organization/ recognized educational institution/ University/ PSU/ Corporate/ Industry registered under Companies Act.
- 3) The Applicant possesses at least two years of relevant work experience in the categories, as at (ii) b.
- 4) The applicant gets a NOC from her employer, at the time of provisional registration.

IGDTUW-Junior Research Fellow (IGDTUW-JRF)

An applicant shall be eligible for Junior Research Fellowship instituted by IGDTUW provided she fulfils the following conditions:

- 1) She possesses the minimum eligibility qualifications.
- 2) She has qualified UGC-CSIR-JRF/NET examination or has qualified GATE with a score above the minimum cut off or has qualified Research Aptitude Test (RAT) examination. A person who has appeared in the above examinations but is awaiting results may also apply. However, she shall be required to produce a valid documentary evidence of having qualified the examination at the time of interview.
- 3) She is not receiving any financial assistance from any other sources.

Areas of Research and No. of Seats: The Ph.D. Course is being offered in the following disciplines subject to the availability of vacancy in the relevant research field:

Department	Research Areas	Tentative Seats* (including IGDTUW-JRF)
Computer Science & Engineering	Big Data Analytics, Speech Translation Systems, Opportunistic Mobile Networks, Artificial Intelligence, Web Technologies, Natural Language Processing, Fuzzy Database Management, Intelligent Computing, Natural Language Processing, Data Analytics, Computer Education, Embedded systems, Mobile Computing, Wireless Sensor Network, Real Time Systems, Data Mining, Algorithms, Data Science, Data Analytics, Sentiment Analysis & opinion Mining, Text Mining, Social Network Analysis, Fuzzy Theory, Information Security, Cyber Security, Image Processing, Video Retrieval, Image Retrieval, Machine Learning, Internet of Things, Computer Networks, Algorithms Design	09 (including 03 IGDTUW-JRFs)

Information Technology/ Computer Applications	Software Engineering / Software Testing, Software Project Management, Information Security, Secure Wireless Networks, Software Eng., Big Data Analytics, Cloud Computing, Business Intelligence, Software Reliability, Neural Networks, Data Communication Networks, Knowledge engineering and semantic web, Data analytics and machine learning, Natural language processing, graph theory, Service oriented wireless sensor networks, Edge and Fog computing, Data Aggregation in wireless sensor networks, Routing and MAC layer protocols for wireless sensor networks, Machine Learning, Pattern recognition, Image processing, Gait Analysis, Healthcare, Cryptography, Cyber Forensics, Cyber Security	04 (including 03 IGDTUW-JRFs)
Electronics and Communication Engineering & Electrical Engineering (under ECE Department)	Optical Communication, Digital Signal Processing, Digital VLSI Design, Strategic MGT, Telecom MGT, VLSI, Analog, Mixed Mode Circuits and Systems Design, Embedded System, Computer Vision, Multimedia Security, Medical Image Processing, VLSI Design, Low Power CMOS Circuits and Analog Integrated Circuits, Micro Electronics, Designing of Fractional Order Differentiators and Integrators, Optimization of Operators, Evolutionary Algorithms, Digital Image Processing, Digital Signal Processing Machine Learning, Digital Image Processing (Medical), Big Data Analytic, Combinatorial optimization (Metaheuristic), Decision Science, Power Systems, Power Electronics, Control Systems, Electrical Engineering & Renewable Energy Sources.	08
Mechanical and Automation Engineering	Machine Design Engineering, Tribology Fluid Film Bearing, FEM Computation Engineering, Vibration, Alternate Fuels in IC Engines, Composite Material, Robotics & Automation, Manufacturing & Automation, Production and Automation Engineering, Prosthetics, Thermal Science and Engineering, Thermal Power Plant, Refrigeration and Air- Conditioning, Tribology, Applied Mechanics, Green Manufacturing, Mechanical Engineering, Automation, Tribology of fluid film bearings, Robotics and Automation, Production Engineering and Management, Flexible Manufacturing Systems, Production Engineering & Management, Industrial Engineering and Project Management.	05

Applied Science & Humanities (Physics, Chemistry, Mathematics, English)	Atmospheric Sciences (carbonaceous aerosols, organic compounds and trace gases), Nano-composites for waste water treatment, Green Corrosion Inhibitors, Nanotechnology, Nano materials, Thin Film Technologies, Applied Optics, Digital Image Processing, Optical Information Processing, Panoramic and 3-D Imaging, Materials Science, Nano-science and Nanotechnology, English Literature, Communication Studies	Physics: 03(including 01 IGDTUW-JRF) Chemistry: 02(including 01 IGDTUW-JRF) English: 01 IGDTUW-JRF Mathematics : 01 IGDTUW-JRF
	Total	33

***No. of seats and Research Areas are tentative and may vary depending upon the desired research area of the applicant and availability of seat with the supervisor.**

Admission Procedure

Admission to the Ph.D. Course will be common to the two categories (Full time and Part Time) of applicants.

- 1) Admission shall be made on the basis of a written Test viz. RAT followed by an interview.
- 2) The RAT Examination shall be qualifying only with qualifying marks as 50%. A relaxation of 5% marks (from 50% to 45%) shall be allowed for SC/ST/OBC/Differently abled (PD) category to qualify the RAT Exam.
- 3) The syllabus of the RAT examination shall consist of 50% of Research Methodology and 50% subject specific. (Please refer www.igdtuw.ac.in)
- 4) The application fee of Rs. 1000/- deposited by the applicants is **Non-Refundable**.
- 5) The RAT examination shall be waived off for the following applicants subject to the fulfilment of eligibility qualifications, and such applicants shall be allowed to appear in the interview directly:
 - a. Full-Time female teaching staff (Faculty) of IGDTUW.
 - b. Sponsored applicants from organizations having MOU with the University.
 - c. Applicants who have qualified UGC-CSIR-JRF/NET Or have qualified GATE with a score above the minimum cut-off and successfully completed requisite Master's degree.
 - d. Foreign students who apply through Ministry of Human Resource Development or foreign students under a Cultural Exchange Scholarship Course of Government of India.

- 6) The exempted category applicants as per point (5), in a subject will not be required to appear for the RAT exam.
- 7) The RAT shall be conducted in the following disciplines:
 - a. Electronics and Communication Engineering (ECE)
 - b. Computer Science / Information Technology/ Computer Applications
 - c. Mechanical & Automation Engineering
 - d. Chemistry
 - e. Maths
 - f. Physics
 - g. English
 - h. Electrical Engineering (under the Department of Electronics and Communication Engineering)
- 8) The Syllabi and other related details of the RAT Examination are available on the University website.
- 9) All applicants taking admission in the Ph.D. Course shall be bound by the Ph.D. Ordinances and Regulations of the IGDTUW
- 10) The applicants shortlisted for interview are required to discuss their research interest/ area during the interview. The interview shall also consider the following aspects viz. whether:
 - a. The person should possess the competency for the proposed research.
 - b. The research work can be suitably undertaken at the University.
 - c. The proposed area of research can contribute to new/ additional knowledge.

Financial Assistance- (IGDTUW-JRF)

- 1) The University may provide financial assistance to few Full-Time Research Scholars with good teaching skills and appoint them as Junior Research fellow (JRF) called IGDTUW-JRF.
- 2) All provisions of prevailing Ph.D. Ordinance/Regulations of the University shall be applicable on the IGDTUW-JRF and allocated supervisor(s).
- 3) **Fellowship Amount**

S. No	IGDTUW Fellowship for Ph.D. Course	Revised Fellowship (Per Month)
1.	IGDTUW-Junior Research Fellow (JRF)	Rs. 25000/- *

* The Fellowship is subject to changes. The Terms & Conditions for IGDTUW-JRF are available on the University website.

Tuition Fee Waiver : The regular female academic staff of the Indira Gandhi Delhi Technical University for Women may apply for 50% tuition fee waiver.

Reservation/Relaxation for Ph.D. Course:

Reservation of seats for Scheduled Caste, Scheduled Tribe, OBC-NCL and Differently Abled (PD) applicants will be as per Government rules.

RESERVATION POLICY

Sl. No.	Category	Percentage of Reservation	Remarks
1.	Scheduled Caste (SC)	15%	
2.	Scheduled Tribes (ST)	7.5%	
3.	Other Backward Class (OBC)-Non-Creamy Layer	27%	
4.	Economically weaker section (EWS)	10%	In each course (except Ph.D. Course)
5.	Defence (CW) – Sub Category	5%	In each category General, SC, ST and OBC (except for Ph.D. course)
6.	Differently Abled Person (PD) – Sub Category	5%	In each category General, SC, ST and OBC
7.	Kashmiri Migrant (KM)	Supernumerary 1 seat over and above the total intake	In each course (except Ph.D. Course)

Additional information regarding reservation

- (i) The candidate seeking admission under reserved categories has to mandatorily produce the caste/category certificate in her name. The certificate in the name of either of the parents (Mother/Father) or any other family member is not acceptable and the candidate will not be entitled even for provisional admission.
- (ii) It is the sole responsibility of the applicant to prove her eligibility for claiming reservation under any of the reserved categories / EWS sub-categories. The applicants claiming reservation under SC / ST / OBC /CW / PD/ KM categories/sub-categories will be required to produce the original certificate of the respective reserved category/sub-category issued by one of the following authorities of competent jurisdiction:
 1. District Magistrate / Additional Magistrate / Deputy Commissioner / Collector / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / City Magistrate (not below the rank of 1st Class Stipendiary Magistrate), Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Assistant Commissioner.

2. Revenue Officer not below the rank of Tehsildar.
3. Sub-Divisional Officer of the area where the candidates and/or her family normally resides.
4. Administrator/Secretary to Administration/Development Officer (Laccadive & Minicoy Islands).

If the reserved category / sub-category certificate is not found to be in order, no benefit of the reserved category / sub-category will be given and provisionally allotted seat to that applicant will stand automatically cancelled. Such applicants may be considered under General category / sub-category in respective state quota for subsequent rounds of counselling on submission of a request in this regard.

- (iii) OBC-NCL and EWS candidates are required to produce a certificate issued after March 31, 2020 from the authorities as mentioned above. However, if the certificate is issued prior to March 31, 2020, it must be accompanied with an additional certificate mentioning their status in the present financial year. This additional certificate must have reference of her already issued original OBC-NCL/EWS certificate.
- (iv) In case, sufficient number of eligible applicants from the sub-categories CW and PD is not available, the vacancies **will be treated as unreserved in the respective category.(Except for Ph.D.)**
- (v) In case, sufficient number of eligible applicants from category OBC-NCL is not available, the vacancies will be **treated as unreserved.(Except for Ph.D.)**
- (vi) In case of category SC and ST, the vacant seats are interchangeable. However, after exhausting the complete list of SC and ST applicants, the vacant seats will be treated as unreserved in the Spot Round.
- (vii) Under CW sub-category, the seats will be filled based on the priority, i.e. all eligible applicants of priority-I will be allotted seats based on their ranks until the ranks exhaust under CW sub-category. Remaining vacant seats, if any, will be allotted to the priority-II in the similar fashion, and so on. The reservation under CW sub-category is available only to such applicants who fall under the listed priorities and these priorities are given below: -
 - Priority I** - Widows/wards of Defence Personnel killed in action.
 - Priority II** - Wards of disabled in action and boarded out from service
 - Priority III** - Widows/wards of Defence Personnel who died while in service with death attributable to Military Service.
 - Priority IV** - Wards of disabled in service and boarded out with disability attributable to military service.
 - Priority V** - Wards of Ex-servicemen and serving personnel who are in receipt of Gallantry Awards:
 - i. Param Vir Chakra
 - ii. Ashok Chakra
 - iii. Sarvottam Yudh Seva Medal
 - iv. Mahavir Chakra
 - v. Kirti Chakra
 - vi. Uttam Yudh Seva Medal

- vii. Vir Chakra
- viii. Shaurya Chakra
- ix. Yudh Seva Medal
- x. Sena/ NauSena/ VayuSena Medal
- xi. Mention-in-Despatches
- xii. President's Police Medal of Gallantry
- xiii. Police Medal for Gallantry

Priority VI - Wards of Ex-servicemen and serving personnel

Priority VII - Wives of:

- i. Defence Personnel disabled in action and boarded out from service.
- ii. Defence Personnel disabled in service and boarded out with disability attributable to military service.
- iii. Ex-servicemen and serving personnel who are in receipt of Gallantry Awards.

Priority VIII– Wards of Serving personnel.

Priority IX– Wives of Serving personnel.

For admission to a seat reserved for **Defence sub-category**, candidate must produce the following certificates (as applicable) in original, at the time of counselling:

- a) Entitlement card in original issued by the Record Officer of the Unit/Regiment of Armed Personnel of the Armed Forces in case of Armed Personnel.
- b) Widows/ Wards of the officers and men of Armed forces who died or disabled on duty (both attributable to military service) must produce a certificate to that effect from the following authorities.
 - i. Secretary, Kendriya Sainik Board.
 - ii. Secretary, Rajya/ Zila Sainik Board.
 - iii. Officer-in-Charge, Record Office.
- c) Medical records in original.
- d) Special Pension Order and Passbook indicating special pension.
- e) Gallantry award certificate.
- f) Original ex-servicemen Identity Card/Discharge Book/ Pension Payment Order.
- g) Dependency card issued by the Competent Authority in order to relate the relationship of the candidate with the Defence personnel/gallantry award recipient.
- h) Original Service Identity Card
- i) A certificate from the respective C.O. Unit in respect of serving personnel.

Note: -A statement to the effect that 'the death/disability is attributed to military service' is required to be included in the certificate for corresponding priorities. **The final priority will be subject to the scrutiny by panel of defence experts at the time of document verification.**

(viii) Differently Abled Persons (PD): 5% of the total seats in each category are reserved for candidates belonging to 'Differently Abled Persons' sub-category in accordance with the provisions of "The Rights of Persons with disabilities Act 2016" (PWD ACT). All the candidates who furnish PWD certificate from any Government Hospital located in Delhi or Outside Delhi under the provisions of 'The Rights of Persons with Disabilities Act 2016", shall be eligible for claiming reservation.

For admission to seat reserved for Differently Abled Persons (PD) sub-category, the candidate must produce the following certificates in original at the time of document verification for PD candidates:

- a) A certificate of physical disability issued by the Competent Authority as per the provision of the Persons with Disabilities Act 2016 in the prescribed format as given under the Act.
 - b) The Candidate with benchmark disabilities shall produce the medical certificate issued by the Govt. Hospitals duly notified by the Govt. of NCT of Delhi/Other State government and further duly verified by the Chief Medical Officer of the concerned Government Hospital.
 - c) A certificate duly recommended by Vocational Rehabilitation Centre for the handicapped, 9-11 Vikas Marg, Karkardooma, Delhi 110092.
- (ix) **Kashmiri Migrants Seats (KM):** 01 (One) seat over and above the total intake, is available in each of the M. Tech. (AI, ISM, R&A,VLSI), MCA and M. Plan. The reservation under this category is available only to such applicants who fall under the listed priorities and these priorities are given below: -

Priority I : Kashmiri Migrant who has passed the requisite qualifying examination from a school / college / institute located within the NCT of Delhi.

Priority II: Kashmiri Migrant whose parents are registered in Delhi up to 11.06.2001 as Kashmiri Migrant.

Priority III: Kashmiri Migrant residing in the N.C.T. of Delhi.

Priority IV: Kashmiri Migrant settled outside Delhi.

Note: Guidelines are as per latest UGC Notification.

Note : A certificate from the Competent Authority for getting admission against Kashmiri Migrant quota is to be produced by the candidates at the time of counselling/admission. Such certificate should be issued by the concerned Deputy Commissioner of Delhi or the Competent Authority outside Delhi. Photo Identity Card/Ration Card of the migrant must be produced at the time of counselling/admission.

Note: Relaxation/reservation of any kind, mentioned anywhere in this Admission Brochure, will be granted to only those applicants, who are able to produce necessary relevant supporting documents (in original) issued by Competent Authority during/after Counselling. Therefore, for seeking the relaxation/s, necessary documents must be obtained in advance by all applicants from the Competent Authority as prescribed. Admission officer will have the right to refuse the deficient document on the basis of any deficiency observed by him.

SEAT MATRIX FOR VARIOUS COURSES (Seat Matrix- Code Format: CCSS)

Category	Code(CC)
General	GN
Scheduled Caste	SC
Scheduled Tribe	ST
Other Backward Classes	OB
Economically Weaker Section	EW
Sub-Category	Code(SS)
No Subcategory	GN
Differently Abled Persons	PD
Defence Personnel	CW

I. M.Tech.

Total seat distribution category wise for M. Tech. - TOTAL SEATS (129)

Category	CSE (AI)	IT (ISM)	ECE (VLSI)	MAE (R&A)	Total
GN	13	13	12	13	51
SC	5	4	5	5	19
ST	2	2	3	2	9
OBC	8	9	8	9	34
EWS	4	3	3	2	12
Total	32	31	31	31	125
KM	1	1	1	1	4
Grand Total	33	32	32	32	129

Branch wise Distributions in each category for M. Tech.

Category	CSE (AI)	IT (ISM)	ECE (VLSI)	MAE (R&A)	Total
GNGN	11	12	11	11	45
GNPD	1	1	0	1	3
GNCW	1	0	1	1	3
SCGN	5	4	4	5	18
SCPD	0	0	0	0	0
SCCW	0	0	1	0	1
STGN	2	1	3	2	8
STPD	0	1	0	0	1
STCW	0	0	0	0	0
OBGN	7	8	8	8	31
OBPD	1	0	0	0	1
OBCW	0	1	0	1	2
EWGN	4	3	2	2	11
EWPD	0	0	1	0	1
EWCW	0	0	0	0	0
Total	32	31	31	31	125
KM	1	1	1	1	4
Grand Total	33	32	32	32	129

II. M.Plan. (Urban Planning)

Total Seat Distribution sub-category wise for M.Plan. Course

TOTAL SEATS (26)			
GNGN	9	10	25
GMPD	1		
SCGN	4	4	
STGN	2	2	
OBSN	7	7	
EWGN	2	2	
Kashmiri Migrant (KM)	1		
Grant Total	26		

III. MCA

Total Seat Distribution sub-category wise for MCA Course

TOTAL SEATS(76)			
GNGN	27	30	75
GNCW	2		
GMPD	1		
SCGN	10	11	
SCPD	1		
STGN	5	6	
STCW	1		
OBSN	18	20	
OBCW	1		
OBPD	1		
EWGN	7	8	
EWPD	1		
Kashmiri Migrant (KM)	1		
Grant Total	76		

IV. Ph.D. (Full Time/Part-Time/IGDTUW-JRF)

Seat matrix for the Ph.D. Course admissions for the session 2020-21

Course	*Tentative Vacant seats for FT/PT /IGDTUW-JRF	GEN	SC	ST	OBC (NCL)	PD
Ph.D. (CSE)	09(Including 03 IGDTUW-JRFs)	4	1	1	3	0
Ph.D. (IT) Ph.D. (Computer Applications)	04(including 03 IGDTUW-JRFs)	2	1	0	1	0
Ph.D. (ECE) Ph.D. (Electrical Engineering)	08	4	1	1	2	0
Ph.D. (MAE)	05	2	1	0	1	1 GNPD
Ph.D. (Physics)	03(including 01 IGDTUW-JRF)	1	0	0	1	1 SCPD
Ph.D. (Chemistry)	02(including 01 IGDTUW-JRF)	1	0	0	1	0
Ph.D. (Maths)	01 IGDTUW-JRF	1	0	0	0	0
Ph.D. (English)	01 IGDTUW-JRF	1	0	0	0	0
TOTAL	33	16	4	2	9	2

Note: No. of seats are tentative and may vary depending upon the desired research area of the applicant and availability of seat with the supervisor.

FEE STRUCTURE FOR THE VARIOUS COURSES

I. M. Tech.

S No.	Particular	Fee in FY 2020-21	Fee in FY 2021-22
1	Tuition Fee	66500	73000
2	Non Govt. Component		
2.1	Student Welfare (Co-curricular activities, Training and Placement, Extra Curricular Activities, Annual Gathering, Student Welfare, Institutional Development, Outsourcing, Conference, Seminar, Workshop, innovative projects, Skill Development activities and Misc. Expenditure on Unspecified items)	16,500	18,500
2.2	Facilities and Services Charges (Research initiatives, training courses, Awards, automation, facilities, entrepreneurship activities, maintenance activities, student furniture, fixture and any Misc. expenditure on unspecified items)	5,500	6,000
2.3	Economically Weaker Section (EWS) Fund	2,000	2,000

2.4	Examination Fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)	5,000	5,000
2.5	Premium amount for Mediclaim of student (per annum)	500	500
	Grand Total	96,000	1,05,000

Note: - In addition to above fee structure, the following fee are also required to be paid at the time of admission: -

- (i) Security Deposit (Refundable) : - Rs. 5,000/- (ii) One Time Alumni Fee : - Rs. 2,000/-
(iii) Hostel and Mess fee, if applicable, will be paid separately.

II. M. Plan (Urban Planning)

S No.	Particular	Fee in FY 2020-21	Fee in FY 2021-22
1	Tuition Fee	70000	77000
2	Non Govt. Component		
2.1	Student Welfare (Co-curricular activities, Training and Placement, Extra Curricular Activities, Annual Gathering, Student Welfare, Institutional Development, Outsourcing, Conference, Seminar, Workshop, innovative projects, Skill Development activities and Misc. Expenditure on Unspecified items)	16500	18000
2.2	Professional Development Fund (local/outstation travel, accommodation, food, registration, attending, etc for study tours/site visits/industrial visits/ academic activities, conferences, seminars, workshops, lectures, exhibitions, symposium, talks, project work, trainings, industrial visits, etc.)	49500	54500
2.3	Facilities and Services Charges (Research initiatives, training courses, Awards, automation, facilities, entrepreneurship activities, maintenance activities, student furniture, fixture and any Misc. expenditure on unspecified items)	5500	6000
2.4	Economically Weaker Section (EWS) Fund	2,000	2000
2.5	Examination Fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)	5,000	5000
2.6	Premium amount for Mediclaim of student (per annum)	500	500
	Grand Total	149000	163000

***The Professional Development Fund head has been created specially to meet the academic requirements of the M.Plan. Course.**

Note: - In addition to above fee structure, the following fee are also required to be paid at the time of admission: -

- (i) Security Deposit (Refundable) : - Rs. 5,000/- (ii) One Time Alumni Fee : - Rs. 2,000/-
(iii) Hostel and Mess fee, if applicable, will be paid separately.

III. MCA

S No.	Particular	Fee in FY 2020-21	Fee in FY 2021-22	Fee in FY 2022-23
1	Tuition Fee	66,500	73,000	80,800
2	Non Govt. Component			
2.1	Student Welfare (Co-curricular activities, Training and Placement, Extra Curricular Activities, Annual Gathering, Student Welfare, Institutional Development, Outsourcing, Conference, Seminar, Workshop, innovative projects, Skill Development activities and Misc. Expenditure on Unspecified items)	16,500	18,500	20,200
2.2	Facilities and Services Charges (Research initiatives, training course, Awards, automation, facilities, entrepreneurship activities, maintenance activities, student furniture, fixture and any Misc. expenditure on unspecified items)	5,500	6,000	6,500
2.3	Economically Weaker Section (EWS) Fund	2,000	2,000	2,000
2.4	Examination Fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)	5,000	5,000	5,000
2.5	Premium amount for Mediclaim of student (per annum)	500	500	500
	Grand Total	96,000	1,05,000	1,15,000

Note: - In addition to above fee structure, the following fee are also required to be paid at the time of admission: -

- (i) Security Deposit (Refundable) : - Rs. 5,000/- (ii) One Time Alumni Fee : - Rs. 2,000/-
(iii) Hostel and Mess fee, if applicable, will be paid separately.

IV. Ph.D.

S No.	Particular	Fee in FY 2020-21
1	Tuition Fee	19000
2	Non-Govt. Component	
2.1	Student Welfare etc.	7000
2.2	Facilities and Services Charges etc.	4,000
2.3	Examination Fee etc.	3,000
	Grand Total	33,000

Note: - In addition to above fee structure mentioned at I, II, III and IV, the following fee are also required to be paid at the time of admission: -

- (i) Security Deposit (Refundable) : - Rs. 5,000/- (ii) One Time Alumni Fee : - Rs. 2,000/-
(iii) Hostel and Mess fee, if applicable, will be paid separately.

AGE CRITERIA

There is no minimum age criterion but maximum age should not be more than 40 years on 30.09.2020 for all courses except Ph.D. For admission to Ph.D. course there is no minimum & maximum age criteria.

SUBMISSION OF APPLICATION FORM

The e-brochure may be downloaded from the website (www.igdtuw.ac.in) and application can be filled online (www.igdtuw.ac.in) by submitting one time non-refundable fee amounting to Rs. 1000/- (One Thousand only).

COUNSELLING SCHEDULE

1. Guidelines for counselling shall be notified on University website. Candidates are requested to continuously check website for details/updates (www.igdtuw.ac.in).
2. In case, seats remain vacant during spot round then a special spot round may be conducted. These rounds would be open for any eligible applicant irrespective of whether she had filled application form or not. Those who have not applied earlier would be required to pay an application fee of Rs.1000/- besides the annual fee in the spot and special spot round.

ANTI RAGGING POLICY

The University adopts Zero Tolerance policy on ragging. Ragging is completely banned on the campus. Ragging in any form is strictly prohibited within the premises of the University campus and hostel. The University shall severely punish the student found indulged in ragging.

WITHDRAWAL OF ADMISSION

The formally-notified last date of Admission for is 31st July 2020. If a student chooses to withdraw her admission she shall follow the following five-tier system for the refund of Fees*remitted by her-

S.No.	Percentage of Refund of Fees	Point of Time when Applicant submits application for withdrawal of Admission in the University
1.*	100%	15 days or more before 31/07/2020
2.	90%	Less than 15 days before 31/07/2020
3.	80%	15 days or less after 31/07/2020
4.	50%	30 days or less but more than 15 days after 31/07/2020
5.	00%	More than 30 days after 31/07/2020

*In case of S.No.(1) in the table above, the University shall deduct an amount not more than 5% of the Fee paid by the student, subject to a maximum of Rs 5000/- as processing charges from the refundable amount. Security deposit, which is not part of the fees chargeable, shall be refunded in full.

ADMISSION CALENDAR

I. M.Tech.

Opening of Admission portal for receiving of online applications for M.Tech.	05/06/2020 (Friday)
Last date for submission of duly filled application form for M.Tech.	10/07/2020 (Friday)
Rank wise Seat Allotment to qualified applicants for 1 st counselling of M.Tech.	18/07/2020(Saturday)
Duration of Online Payment of Full Fee for 1 st counselling	18/07/2020 (Saturday) to 21/07/2020 (Tuesday)
Updated Seat Matrix after allotment of Seats in 1 st Counselling for M.Tech.	24/07/2020(Friday)
Inviting fresh Applications for Second Counselling(if seat remain vacant)	24/07/2020(Friday) to 27/07/2020 (Monday)
Rank wise Seat Allotment to qualified applicants for 2 nd counselling for M.Tech.	28/07/2020 (Tuesday)
Duration of Online Payment of Full Fee for 2 nd counselling	28/07/2020(Tuesday) to 31/07/2020(Friday)
Formally Notified Last date of admission for M.Tech.	31/07/2020 (Friday)
Invitation of Fresh Applications for Spot Round	03/08/2020 (Monday) to 09/08/2020 (Sunday)
Spot Round * for M.Tech.	10/08/2020(Monday)
Special Spot Round* for M.Tech.	Date will be notified on the website subject to the availability of seats.

Note:

* Full fee-Please refer Fees section in Admission Brochure or FAQ

* No Fee will be refunded to applicants securing Admission in Spot Round/ Special spot round

II. M. Plan. (Urban Planning)

Opening of Admission portal for receiving of online applications for M.Plan.	05/06/2020 (Friday)
Last date for submission of duly filled application form for M.Plan.	10/07/2020 (Friday)
Rank wise Seat Allotment to qualified applicants for 1 st counselling of M.Plan.	18/07/2020 (Saturday)
Duration of Online Payment of Full Fee for 1 st counselling	18/07/2020(Saturday) to 21/07/2020 (Tuesday)
Updated Seat Matrix after allotment of Seats in 1 st Counselling for M.Plan.	24/07/2020 (Friday)

Inviting fresh Applications for Second Counselling(if seat remain vacant)	24/07/20(Friday) to 27/07/20(Monday)
Rank wise Seat Allotment to qualified applicants for 2 nd counselling for M.Plan.	28/07/2020 (Tuesday)
Duration of Online Payment of Full Fee for 2 nd counselling	28/07/2020(Tuesday) to 31/07/2020(Friday))
Formally Notified Last date of admission for M.Plan.	31/07/2020 (Friday)
Invitation of Fresh Applications for Spot Round	03/08/2020 (Monday) to 09/08/2020 (Sunday)
Spot Round * for M.Plan	10/08/2020 (Monday)
Special Spot Round* for M.Plan.	Date will be notified on the website subject to the availability of seats.

Note:

* Full fee-Please refer Fees section in Admission Brochure or FAQ.

* No Fee will be refunded to applicants securing Admission in Spot Round/ Special spot round.

III. MCA

Opening of Admission portal for receiving of online application of MCA	05/06/2020 (Friday)
Last date for submission of duly filled application form for MCA	10/07/2020 (Friday)
Conduction of CET (Common Entrance Test for MCA) (Online/Offline)	19/07/2020 (Sunday)
Result Declaration of CET & Rank wise Seat Allotment to qualified applicants for 1 st counselling for MCA	20/07/2020 (Monday)
Duration of Online Payment of Full Fee for 1 st counselling	20/07/2020 (Monday) to 23/07/2020 (Thursday)
Updated Seat Matrix after allotment of Seats in 1 st Counselling for MCA	24/07/2020 (Friday)
Rank wise Seat Allotment to qualified applicants for 2 nd counselling for MCA	27/07/2020 (Monday)
Duration of Online Payment of Full Fee for 2 nd counselling	27/07/2020 (Monday) to 31/07/2020 (Friday)
Formally Notified Last date of admission for MCA	31/07/2020 (Friday)
Spot Round * for MCA	10/08/2020 (Monday)
Special Spot Round* for MCA	Date will be notified on the website subject to the availability of seats.

Note:

* Full fee-Please refer Fees section in Admission Brochure or FAQ

* No Fee will be refunded to applicants securing Admission in Spot Round/ Special spot round

IV. Ph.D.

Opening of Admission portal for receiving of online application of Ph.D.	05/06/2020 (Friday)
Last date for submission of duly filled application form for Ph.D.	10/07/2020 (Friday)
Conduction of RAT (Research Aptitude Test for Ph.D.) (Online/Offline)	18/07/2020 (Saturday)
Result Declaration of RAT	20/07/2020 (Monday)
Display of Shortlisted candidates for Interviews	21/07/2020 (Tuesday)
Conduction of Ph.D. Interviews (for all departments) (Online/Offline)	22/07/2020(Wednesday) to 28/07/2020 (Tuesday)
Display of Selected Candidates	29/07/2020 (Wednesday)
Duration of Online Payment of Full Fee	29/07/2020(Wednesday) to 31/07/2020 (Friday)
Formally Notified Last date of admission for Ph.D.	31/07/2020 (Friday)
Counselling for Waitlisted Candidates (if any)	03/08/2020 (Monday)
Duration of Online Payment of Full Fee for Waitlisted Candidates (if any)	03/08/2020(Monday) to 06/08/2020 (Thursday)

Note:

* Full fee-Please refer Fees section in Admission Brochure or FAQ

* **No Fee will be refunded to applicants securing Admission in Spot Round/ Special spot round**

DISCLAIMER:

- (i) The University reserves the right to amend the rules and regulations, whenever and wherever considered necessary and appropriate, in view of the requirements/ Govt. Policy Decisions coming time to time. Such amendments will be intimated to the students through University portal. The students are advised to regularly keep on checking the University website for changes time-to-time. (www.igdtuw.ac.in)
- (ii) The University disclaims liability for loss or damage of whatever nature and extent resulting directly or indirectly for not following Rules/Regulations/Directions/ Policy etc. circulated by the University on website and Admission Brochure.
- (iii) Students submitting the admission form of any course to University are assumed to have read the rules and policies related to eligibility, provisional admission, cancellation of admission and refund of fees etc. and disclaimers mentioned above and agree to the same, as mentioned in the admission Brochure.
- (iv) It will be the responsibility of the applicant to prove equivalence of degree and/or validity of reservation document as the case may be.
- (v) This admission brochure is only for information and guidance of candidates seeking admission. The contents are likely to change without notice. This does not constitute to be a legal document.
- (vi) The admission of a student is liable to be cancelled and the fee deposited by the student shall be forfeited on being found, ineligible or unfit for admission or if any of the document submitted by her is found false or incorrect at any stage of admission process or course duration.

How to Apply

Important Guidelines for filling PG and Ph.D. Application

Please read the instructions given in the Admission Brochure regarding various Courses of IGDTUW carefully before filling up the application form.

STEP 1: Kindly ensure that the following documents are ready before filling the online application form:

Note: Image (Photo & Signature) size limit is 500KB and other documents must be uploaded in PDF with size limit of 2MB for each.

ESSENTIAL - Documents need to be uploaded on IGDTUW Admission Portal	
1	Date of Birth Certificate or the High School (class X) Certificate with Date of Birth (in single PDF)
2	Class XII or equivalent marksheet. (in single PDF)
3	Consolidated Marksheet (for Graduation Degree) (scanned both sides in single PDF) OR Marksheets of all the years/semesters for Graduation Degree, for result awaited candidates (scanned both sides in single PDF)
4	Consolidated Marksheet for Post-Graduation Degree (If applicable) (scanned both sides in single PDF) OR Marksheets of all the years/semesters for Post-Graduation Degree (If applicable) , for result awaited candidates (scanned both sides in single PDF)
5	GATE score card / JRF / NET CERTIFICATE (PDF) (if applicable)
6	Certificate/s for Reserved Category as applicable for SC / ST/ OBC-NCL / KM / PD / CW / EWS. (If applicable) Candidates belonging to OBC-Non-Creamy Layer & EWS will be required to submit the Certificate issued on or later than 1st April 2020 (PDF)
7	ID. proof Aadhar Card/Driving License/Voter ID/Pan Card (in single PDF)
8	Work Experience Certificate for Part-Time Applicants (in single PDF) (Only for Ph.D. Applicants)
9	No Objection Certificate (NOC) from the current employer (PDF) (Only for Part-Time Ph.D. Applicants)
10	CoA (Council of Architecture) registration certificate of CoA Approved program (in case of B.Arch.) Temporary Registration number from COA. (PDF) (Only for M. Plan.)
11	Scanned coloured photograph (only in JPEG, PNG)
12	Digital/scanned copy of signature (only in JPEG, PNG)
13	NIMCET scorecard (if applicable) only for MCA Applicants (scanned on both sides in single PDF)
14	Proof of CGPA conversion to Percentage (PDF) (if applicable)

NON-ESSENTIAL- Documents may need to be uploaded on IGDTUW Admission Portal

1.	An Affidavit in case of change of name after marriage. (PDF) (if applicable)
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STEP 2: Candidates must follow the following Steps for filling online application through Admission Portal on University Website www.igdtuw.ac.in

STAGE-I: [Personal Details](#)

- Enter the correct credentials for Personal Details (Name, DOB & Email ID etc.), Reservation Category (if applicable), and Correspondence/Permanent Address while registering to the IGDTUW PG Admission portal.
- The site does not offer automatic saving of the data. The data on a page gets saved once you click on the "Save & Next" or "Save as Draft" button provided in every page.

STAGE-II: [Course Details](#)

- Select Department/Course in which you need to apply and proceed with the form of that course
- In case you want to apply in more than one course then you need to submit a separate **application for each course and pay separate application fee additionally.**

STAGE-III: [Academic Details](#)

- Please fill "Qualifying Degree Details" as per eligibility criteria of the course you are applying for.
- You may fill "Qualifying Test Details" (GATE/CET/ CSIR or UGC-NET/CSIR or UGC-NET-JRF etc.) if it is applicable on you.
- Please fill "Previous Education Details" with details of marks at secondary and higher secondary level.

STAGE-IV: [Experience Details](#) (if applicable)

- Please give details of Designation, Roles & Responsibilities and Duration of Work Experience.
- In case you want to add details of more previous records for employment indicating multiple employers, you need to click on the "+" button shown on the page.

STAGE-V: [Document Upload Details](#)

- Refer to the Section "Documents need to be uploaded on IGDTUW Admission Portal" given in Admission Brochure. Please ensure the documents enlisted there are ready before filling the online application form.
- Photo & Signature must be uploaded in JPEG / PNG formats with size limit up to 500 KB. Other relevant documents must be uploaded in PDF with size limit up to 2 MB for each.

STAGE-VI: Online Application Fee Payment

- After successfully completing STAGE-I to STAGE-V, the candidate needs to pay the fees online. Applications without the payment will be rejected. The bank charges if any will have to be borne by the candidate.
- A print button is provided to save a PDF copy of the application form. After making the payment, please make sure that the "Payment Status" is complete.
- Save the PDF copy of complete application form with you for future reference/communications. Candidate need not send the hard copy or print out of the application form to University.

General Instruction for Applicants

1. The candidates are advised to read each, and every instruction given in the Admission Brochure very carefully before applying Online.
2. Mere possession of eligibility condition does not entitle the candidates for admission.
3. University reserves the right to restrict the number of candidates to be called for Ph.D. interview to a reasonable number, on the basis of qualifications, result of RAT Exam and/or experience etc.
4. All entries should be carefully made while applying online. University will not be responsible for wrong entries. Candidates shall be sole responsible for the correctness and authenticity of the information/ documents provided in the online application.
5. Eligibility of candidate with regard to qualification & experience shall be calculated / considered with reference to last date of the online application.
6. Candidates must fill/enter their CGPA or percentage of marks as applicable as issued by their Institute/College/University.
7. Online application submitted by the candidates shall be considered final and binding. Requests for making correction in the online application shall not be entertained.
8. Please follow the Certificate formats given in Admission Brochure approved by the Competent Authority for different reserved categories (if applicable) as enlisted below:
 - a. **Annexure A- Kashmiri Migrant**
 - b. **Annexure B- Defence Category**
 - c. **Annexure C - EWS**
 - d. **Annexure D- Certificate for PD**
 - e. **Annexure E- Disability Certificate for Amputations /Permanent Disability/ Blindness cases**
 - f. **Annexure F- Disability Certificate for multiple disabilities**
 - g. **Annexure G- Suitability Certificate for PD**
 - h. **Annexure H- Disability Certificate for all cases except mentioned in Annexure 'E' or Annexure 'F'**

Help Desk

For any query, please email:

- For MCA Course: mcaadmissions@igdtuw.ac.in
- For M.Plan. Course: mplanadmissions@igdtuw.ac.in
- For M.Tech. Courses: mtechadmissions@igdtuw.ac.in
- For Ph.D. Courses: phdadmissions@igdtuw.ac.in

For more details, please refer FAQs on Admission Portal.

For any technical query, please email: noreply.igdtuw@gmail.com

In case candidate is not satisfied or needs any additional assistance, she may contact

Prof. Devendra Kumar Tayal

Admission Officer (MCA, M.Tech., M.Plan. Ph.D. Courses),

Dean(Academic Affairs),

Academic Branch, IGDTUW, Kashmere Gate,

New Delhi –110006.

Email ID : pgphdadmissionofficer@igdtuw.ac.in

Contact Number: 011-23900228

Annexure “A”

CERTIFICATE FOR AVAILING ADMISSION AGAINST KASHMIRI MIGRANT QUOTA

Kashmiri Migrant Quota

(To be submitted at the Time of Admission)

Certified that Shri/km/Smt. _____
Son/daughter/wife Shri/_____ resident of
_____ is registered as migrant from Jammu
& Kashmir. The Registration number is _____
dated _____.

It is also certified that Shri/Km/Smt. _____ is registered in
Delhi/_____ as J & K Migrant on

Name & Signature of
Deputy Commissioner/Competent Authority

(Office Stamp)

Place: _____

Date _____

Note: No document other than this will be accepted by the University for claiming reservation against the Kashmiri Migrant Seat.

Annexure "B"

CERTIFICATE FOR PERSON WITH DISABILITY

To be issued by Medical Board from Government Hospital

Name _____ of _____ the _____ candidate:
Mr./Ms.* _____

Recent
Passport size
attested
photograph
of the
applicant

Father's Name: _____

Permanent Address: _____

Percentage loss of earning capacity (in words):

Whether the candidate is otherwise able to carry on the studies and perform the duties of an engineer/architect satisfactorily: _____

Name of the disease-causing handicap: _____

Whether handicap is temporary or permanent: _____

Whether handicap is progressive or non-progressive: _____

The candidate is FIT / UNFIT to pursue further studies.

(*Strike out whichever is not applicable)

Member
(Orthopaedic Specialist)

Member

Principal Medical Officer

Date: _____

Seal of Office

Government of _____
(Name & Address of the authority issuing the certificate)

NOTE:

1. The medical board must have one orthopaedic specialist as its member.
2. Candidate having temporary or progressive handicap will not be considered against these seats.

Annexure “C”

INCOME & ASSEST CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Certificate No _____ Date _____
VALID FOR THE YEAR _____

1. This is to certify that Shri/Smt./Kumari _____ son/daughter/wife of _____ permanent resident of _____, Village/Street _____ Post Office _____ District _____ in the State/Union Territory Pin Code whose photograph is attested below belongs to Economically Weaker Sections, since the gross annual income of his/her family is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year _____.

His/her family does not own or possess any of the following assets:

1. Residential flat of 1000 sq. ft. and above;
2. 5 acres of agricultural land and above;
3. Residential plot of 100 sq. yards and above in notified municipalities;
4. Residential plot of 200 sq. yards and above in. areas other than the notified municipalities.

2. Shri/Smt./Kumari _____ belongs to the _____ caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List)

Signature with seal of Office _____

Name _____

Designation _____

Recent Passport size
attested photograph of
the applicant

Note 1: Income covered all sources i.e. salary, agriculture, business, profession, etc.

Note 2: The term “Family” for this purpose include the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years

Note 3: The property held by a “Family” in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

Annexure “D”

Certificate in Respect of Defence Category (CW)
CERTIFICATE FOR AVAILING ADMISSION AGAINST DEFENCE QUOTA
OFFICE OF THE ZILA/RAJYA SAINIK BOARD

This is to certify that Master/Miss _____ son/daughter
_____ resident
of _____ the above named officer/JCO/OR pertains to the
category marked below:- (Select one from below)

a. Killed in Action

on _____ during _____

b. Disabled in Action on _____ and boarded out from service
on _____ .during _____ Died in
peace time on _____ with death attributable to military service.

c. Disabled in peace time and boarded out from service with disability attributable military
service.

d. Gallantry Award Winner (_____)

e. Ex-Serviceman.

f. Serving Soldier

(Category _____ above)

Mr./Miss _____ son/daughter of the above named
officer/JCO/OR is eligible for Admission against the Defence quota under priority his/her
Ex-Serviceman Widow Identify Card No. is DLH-01 _____.

NO _____
(Round stamp of office)

RSB SECRETARY
(Zila/Rajya Sainik Board)

Annexure "E"

Form -I

DISABILITY CERTIFICATE

(In case of amputation or complete permanent paralysis of limbs and in cases of blindness)

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

Recent PP size
Attested
Photograph
(Showing face
only) of the person
with disability

Certificate No. _____

Date: _____

This is to certify that I have carefully examined Shri/Smt./Kum. _____ son/wife/daughter of Shri _____

Date of birth (DD/MM/YY) _____ Age _____ years,
Male/female

_____ Registration No. _____ permanent resident of
House No.- _____ Ward/Village/Street _____ Post
Office _____

_____ District _____ State _____

Whose photograph is affixed above, and I am satisfied that:

1. He/she is a case of:
 - a. Locomotor disability
 - b. Blindness

(Please tick as applicable)

2. The diagnosis in his/her case is _____
3. He/ She has _____% (in figure) _____ percent
(in words) permanent physical impairment/blindness in relation to his/her _____
(part of body) as per guidelines (to be specified).
4. The applicant has submitted the following document as proof of residence:-

Nature of Document	Date of Issue	Details of authority issuing certificate

(Signature and Seal of Authorised Signatory of notified Medical Authority)

Signature/Thumb impression of the person in whose favour disability certificate is issued.

Annexure "F"

Form II

DISABILITY CERTIFICATE

(In cases of multiple disabilities)

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

Recent PP size
Attested
Photograph
(Showing face
only) of the person
with disability

Certificate No. _____ Date: _____

This is to certify that I have carefully examined Shri/Smt./Kum.
_____ son/ wife/daughter of Shri
_____ Date of Birth (DD/MM/YY)
_____ Age _____ years, male/female _____ Registration No.
_____ permanent resident of House No.
_____ Ward/Village/Street _____ Post office
_____ District _____ State

_____ whose photograph is affixed above, and are satisfied that:

1. He/she is a Case of **Multiple Disability**: His/her extent of permanent impairment/disability has been evaluated as per guidelines as per guidelines (to be specified) for the disabilities ticked below, and shown against the relevant disability in the table below:

S.NO.	Disability	Affected Part of Body	Diagnosis	Permanent physical impairment/ mental disability (in %)
1.	Locomotor disability	@		
2.	Low vision	#		
3.	Blindness	Both Eyes		
4.	Hearing impairment	£		
5.	Mental retardation	X		
6.	Mental-illness	X		

@ - e.g. Left/Right/both arms/legs

- e.g. Single eye/both eyes

£ - e.g. Left/Right/both ears

2. In the light of the above, his/her overall permanent physical impairment as per guidelines (to be specified), is as follows:

In figures: _____ percent

In words: _____ percent

3. The above condition is progressive/ non-Progressive/likely to improve/not likely to improve.

4. Reassessment of disability is

a. not necessary

b. Is recommended/after _____ years _____ months, and therefore this certificate shall be valid till (DD/MM/YY) _____.

5. The applicant has submitted the following document as proof of residence:

Nature of Document	Date of Issue	Details of authority issuing certificate

6. Signature and seal of the Authority:

Name and Seal of Member	Name of Seal of Member	Name and seal of the Chairperson

Signature/ Thumb impression of the person in whose favour disability Certificate is issued.

Annexure “G”

SUITABILITY CERTIFICATE FOR AVAILING ADMISSION AGAINST DIFFERENTLY ABLED PERSON (PD)

(To be submitted at the Time of counselling/Admission)

Recent PP size
Attested
Photograph
(Showing face
only) of the
person with
disability.

Certified that Shri / Km / Smt.* _____
Son/daughter/wife of Shri/Smt. _____ is physically
Handicapped due to _____ and he/she is fit for
undergoing the course(s) _____ at
IGDTUW.

Name & Signature of

The Officer In-charge

Vocational Rehabilitation Centre for Physically Handicapped 9, 10, 11

Karkardooma, Vikas Marg, delhi-110092.

Annexure "H"

DISABILITY CERTIFICATE

(In cases other those mentioned in Forms I and II)

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

Recent PP size
Attested
Photograph
(Showing face
only) of the
person with
Certificate No. _____
disability

Date: _____

This is to certify that I have carefully examined Shri/Smt./Kum. _____

_____ son/ wife/daughter of Shri _____ Date of

Birth (DD/MM/YY) _____ Age _____ years, male/female _____

Registration No. _____ Permanent resident of House No.

_____ Ward/Village/Street _____ Post office

_____ District _____ State _____

_____ whose photograph is affixed above and am satisfied that he/she is
a case of disability.

1. His/her extent of physical impairment/disability has been evaluated as per guidelines
(to be specified) and is shown against the relevant disability in the table below:

S.NO.	Disability	Affected Part of Body	Diagnosis	Permanent physical impairment/ mental disability (in %)
1.	Locomotor disability	@		
2.	Low vision	#		
3.	Blindness	Both Eyes		
4.	Hearing impairment	£		
5.	Mental retardation	X		
6.	Mental-illness	X		

(Please strike out the disabilities which are not applicable)

@ - e.g. Left/Right/both arms/legs

- e.g. Single eye/both eyes

£ - e.g. Left/Right/both ears

Signature/Thumb impression of the person in whose favour disability certificate is issued.

2. The above condition is progressive/ non-progressive/ likely to improve/ not likely to improve.

Reach us



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