



INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

An ISO 9001:2015 Certified University

INDIRA GANDHI DELHI TECHNICAL UNIVERSITY
FOR WOMEN (IGDTUW)

PH.D. ADMISSIONS (WINTER SESSION) ADMISSION BROCHURE 2023-2024

✓ India Today Ranking 2022

- o All India Rank 4th in Government Colleges with Best value for money.
- o All India Rank 6th in Emerging Government Colleges
- o All India Rank 7th in Government Colleges with Best Placement Record.
- o All India Rank 10th in Government Colleges with Lowest Fees.

✓ IGDTUW made India Proud by Ranked in the band of 101-200 by prestigious 'Times Higher Education World Impact Rankings 2021' for

- o Sustainable Development Goal (SDG-4) i.e. Quality Education
- o Sustainable Development Goal (SDG-5) i.e. Gender Equality

✓ IGDTUW awarded with 'Engineering Education Excellence Award -2022' for excellent contribution in the field of Engineering Education.

✓ IGDTUW has been conferred with prestigious FICCI University of the Year Award 2021 and FICCI University of the Year Award 2022 (For Best Placements) for its continuous commitment towards Quality Education.

MESSAGE FROM THE VICE CHANCELLOR'S DESK



**“YOU EDUCATE A MAN;
YOU EDUCATE A MAN.
YOU EDUCATE A WOMAN;
YOU EDUCATE A GENERATION”**

- Brigham Young

I welcome all of you to IGDTUW.

Ever since its inception in 2013 the University has distinguished itself as the premier institution of higher education for women in India. IGDTUW in common Indian parlance is also a metaphor for excellence in female technical education. Located in the capital city of India, the University is a beacon of knowledge in the nation and has pioneered numerous novel initiatives of teaching-learning. With 7 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.

The university has a long-standing tradition of excellence in research and education, and we are proud to offer a dynamic and supportive academic environment that fosters innovation and collaboration. Our faculty members are committed to mentoring and guiding students throughout their academic journey, ensuring that they receive the highest quality education and research training.

Here at IGDTUW, we offer our students a plethora of opportunities designed to either start their career or move their career forward while enabling them to confidently explore new industries for career possibilities and consider options that they may not be aware of. As a PG/PhD student at IGDTUW, you will have access to cutting-edge facilities, resources, and opportunities that will enable you to explore new ideas, conduct groundbreaking research, and develop your skills as a scholar and researcher. IGDTUW aims to provide the theoretical knowledge and provide them with a platform to find the entrepreneur in them with the help of our business incubator, "Anveshan Foundation".

The University is committed to educating the female leaders of future by building and sustaining an academic ambience that enables our students to realize their potential to the fullest. Our endeavour is to make IGDTUW accessible to students across the nation and our continuous efforts are toward reaching the masses and to those farthest from us.

The campuses provide a wholesome, secure, and barrier-free environment keeping in mind the individuality, convenience and safety of our students. I invite you to be a part of the University and partake in this vibrant and thrilling journey towards endless opportunities. I am assured that your being part of the student community of the University will enrich you, help you grow, make fair choices and 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**

Admission Calendar for Winter Session Ph.D. Admissions

AY: 2023-24

Opening of Admission portal for receiving online application of Ph.D.	01-12-2023 (Friday)
Last date for submission of duly filled application form for Ph.D.	26-12-2023 (Tuesday)
Conduction of RAT Exam	2-01-2024 (Tuesday)
Result Declaration of RAT	4-01-2024 (Thursday)
Display of Shortlisted candidates for Interviews	5-01-2024(Friday)
Conduction of Ph.D. Interviews (for all departments) (Offline)	8-01-2024 (Monday) to 10-01-2024 (Wednesday)
Display of Selected Candidates	15-01-2024 (Monday)
Duration of Online Payment of Full Fee	16-01-2024 (Tuesday) to 18-01-2024 (Thursday)
Last date of admission for Ph.D.	19-01-2024 (Friday)
Counselling for Waitlisted Candidates (if any) and Online Payment of Full Fee.	22-01-2024 (Monday) to 23-01-2024 (Tuesday)

Special Admission Drive will be notified on the website subject to the availability of reserved category vacant seats for a particular category, after completion of the counselling.

FEE STRUCTURE

S.No.	Particular	Fee in AY 2023-24
1.	Tuition Fee	19,000
2.	Non Govt. Component	
2.1.	Facilities and Services Charges	7,000
2.2.	Examination Facilities and Services Charges	4,000
2.3.	Examination Fee	3,000
	Grand Total	33,000

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

(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.**

Seat Matrix for Ph.D. (Full Time/Part-Time)

**Tentative seat matrix for the Ph.D. Program Admissions for the Winter Session of
AY: 2023-24**

Program	*Tentative Vacant seats for FT/PT	Gen	SC	ST	OBC (NCL)	EWS
Ph.D. (CSE)	15	07	02	01	04	01
Ph.D. (IT) Ph.D. (Computer Applications) Ph.D. (AI&DS)	21	08	03	02	06	02
Ph.D. (ECE) Ph.D. (Electrical Engineering)	14	06	02	01	04	01
Ph.D. (MAE)	20	08	03	02	05	02
Ph.D. (Physics)	04	02	01	00	01	00
Ph.D. (Chemistry)	09	05	01	01	02	00
Ph.D. (Maths)	03	02	00	00	01	00
Ph.D. (English)	02	01	00	00	01	00
Ph.D. (Architecture & Planning)	08	04	01	01	02	00
Ph.D. (Management)	04	02	01	00	01	00
Total	100	45	14	08	27	06

***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. 5% Seats for Differently Abled Person (PD) sub-category are reserved across all categories and will be allotted as per applicability of the candidate.**

WITHDRAWAL OF ADMISSION

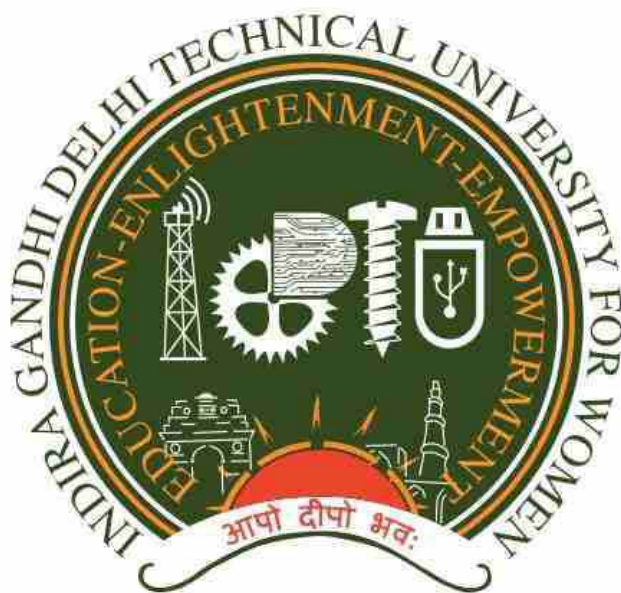
The University follows the following policy for the remittance and refund of fee, if a student chooses to withdraw from program in which she is enrolled:

S.No.	Percentage of Refund of aggregate fee	Point of time when application for withdrawal of admission received
1.	100%	15 days or more before the last date of admission.
2.	80%	Not more than 15 days after last date of admission.
3.	50%	More than 15 days but less than 30 days after the last date of admission
4.	NIL	More than 30 days after the last date of admission

Note: Candidates are advised to visit IGDTUW website www.igdtuw.ac.in regularly for notifications

RESERVATION POLICY

S.No.	Category	Percentage of Reservation	Remarks
1.	Scheduled Caste (SC)	15%	
2.	Scheduled Tribe (ST)	7.5%	
3.	Other Backward Class (OBC)- Non Creamy Layer	27%	
4.	Economically Weaker Section (EWS)	10%	
5.	Differently Abled Person (PD) – Sub Category	5%	In each category General, EWS, SC, ST & OBC-NCL etc.



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UNIVERSITY FOR WOMEN**

**PH.D. ADMISSIONS
(WINTER SESSION)
ADMISSION BROCHURE
2023-24**

INDEX

University at a Glance	01
Courses Offered	08
- Undergraduate Courses	
- Post Graduates Courses	
- Ph.D Course	
Transforming Student into Leaders through Meticulous Programs	09
Ecosystem for Research	10
Scholarship & Awards in IGDTUW	13
The Career Trajectory	15
Glimpse of Activities under CoE-AMS	23
Social Initiatives	24
IGDTUW - Anveshan Foundation (TBI)	26
National & International Collaborations	28
Learning Beyond the Boundaries of Curriculum for Holistic Development	30-34
- Taarangana 2022	
- Innerve 2022	
- Fourth International Conference – AIST 2022	
- Internship Programmes (2021-2022)	
- IGNITE-The Annual Sports Meet	
- JHILMIL – Diwali Festival	
Research & Research Excellence Awards	35
Infrastructure And Transforming Students Into Leaders	37
Ph.D. Admission Guidelines for Winter Session AY : 2023-24, with Seat Matrix & Fee Structure	39-50
How to Apply	51-52
General Instructions for Applicants	53
List of Annexures (A-J)	54-63
Help Desk	64
Disclaimer	64

INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

(Established by Govt. of Delhi vide Act 09 of 2012)
Kashmere Gate, Delhi – 110006

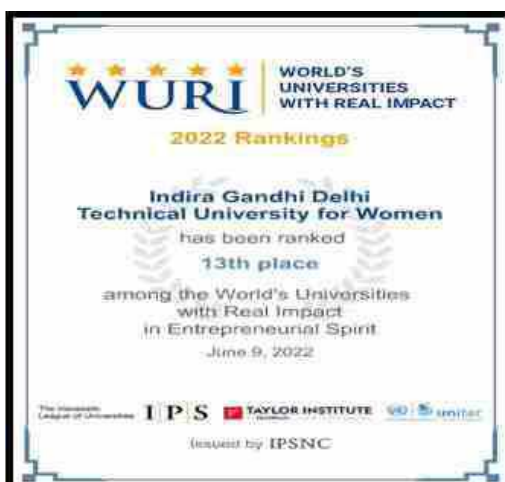
EDUCATION | ENLIGHTENMENT | EMPOWERMENT



A Country's progress is incomplete if the women are not empowered. Education is the first step towards it which makes women self-reliant and contribute towards the society. In May 2013, Indira Gandhi Delhi Technical University for Women (IGDTUW) was established and is now a completely self-reliant University imparting high quality technical education exclusively for Women on its Kashmere Gate heritage Campus situated in the heart of Delhi. In last nine years, the University has achieved a number of milestones, to name a few recent ones are:

World's Universities with Real Impact (WURI) Ranking

- It is matter of immense pride that IGDTUW secured 54th position in the overall “World's Universities with Real Impact (WURI) Ranking”, as the Innovative Universities for 2022.
- The University also bagged 13th position in the special category “Entrepreneurial Spirit of WURI Ranking”, 2022.



World Times Higher Education Impact Rankings 2021

- IGDTUW made India Proud by Ranked in the band of 101-200 by prestigious 'Times Higher Education World Impact Rankings 2021' for Sustainable Development Goal (SDG-4) i.e. Quality Education.
- IGDTUW made India Proud by Ranked in the band of 101-200 by esteemed 'Times Higher Education World Impact Rankings 2021' for Sustainable Development Goal (SDG-5) i.e. Gender Equality.



University of the Year Award by FICCI

- IGDTUW has been conferred with prestigious FICCI University of the Year Award 2021 (1 to 10 Years Category) for its continuous commitment towards Quality Education.
- IGDTUW has been conferred with prestigious FICCI University of the Year Award 2022 (For Best Placements).



India Today Ranking 2022

- All India Rank 4th in Government Colleges with Best value for money. Award 2022 (For Best Placements).
- All India Rank 6th in Emerging Government Colleges.
- All India Rank 7th in Government Colleges with Best Placement Record.
- All India Rank 10th in Government Colleges with Lowest Fees.



University Excellence Award

- IGDTUW has been conferred upon University Excellence Award At Vigyan Bhavan under AICTE- "Indian Engineering Congress Centenary Celebrations".



NPTEL Rating

- It is matter of immense pride that, IGDTUW has been ranked as Highest 'AAA' Rating for NPTEL & Swayam Course.



Atal Ranking of Institutions on Innovation Achievements (ARIIA)-2022

- The University received the certificate of recognition in the band “PERFORMER” under the category “University and Deemed to be University (Govt. & Govt. Aided) (Technical)”



Institution of Happiness (IOH) Award

IGDTUW has been conferred with "Institution of Happiness (IOH) Award" in the University and College category by QS I-Gauge and ASSOCHAM for the year 2021-22, which is presented by Hon'ble Minister of Women and Child Development Smt. Smriti Zubin Irani.



IGDTUW has been recognized as ZERO WASTE and ZERO PLASTIC Campus by MCD Delhi.



IGDTUW Innovation & Incubation Center

- It is matter of immense pride that 'IGDTUW Anveshan Foundation' is now recognized by the Department of Science & Technology (DST), GoI as 'Technology Business Incubator (TBI)' under NIDHI and has received a whopping funding of Rs. 6.00 Crores to accelerate and boost Innovation, Entrepreneurship, Start-ups, Incubation and Venture Development related activities at the University Campus.
- Further, IGDTUW Anveshan Foundation has been selected under Startup India Seed Fund Scheme under Ministry of Commerce and Industry, Govt. of India with a massive funding of Rs. 5.00 Crores.
- There are total of 20+ Incubatee Companies (registered as Private Limited) and 50+ Pre-Incubatee companies.



IGDTUW functions efficiently as a teaching & learning, research-oriented center in various branches of Engineering, Technology and Management promoting advancement and dissemination of research led knowledge among women from all over the country.

It helps our country 'India' to meet the requirements of professionally skilled (with ethical values) women workforce in both high-tech and low-tech domains. The strategic intent (VMO) of the University is to foster industry relevant research and innovations and empower the women of our country through value based higher education making them employable, self-reliant, entrepreneurship development, responsible citizen of the country with concern for environment and society.

Centre of Excellence in Artificial Intelligence

The institution has formed a number of Centres of Excellence supported by various government agencies in certain research fields for demand driven innovations and translational research. It is a matter of immense pride and honour for the faculty and students of IGDTUW that the University is setting up the following Centres of Excellence (CoEs):

IGDTUW has established CoE in Artificial Intelligence with the funding of Rs. 8.5 Crores from the Department of Science and Technology, GoI. CoE is equipped with state-of-the-art infrastructure with computing facilities and modern AI-enabled infrastructure to enhance functional efficiency for Teaching, Research and Innovation. It will Encourage, Engage and Involve students as young Research Scholars, and Faculty Members to have futuristic knowledge on AI-based Technologies, Design and Development of intuitive technological solutions and produce good quality research in the AI-related areas there by benefitting the most from AI in solving industrial and societal needs. The Centre of Excellence (CoE) in Artificial Intelligence (AI) at IGDTUW caters to the requirements of students at all levels in the domains of AI, Machine Learning, Deep Learning for building various applications in the area of Robotics, Drones, NLP, and others. The Centre serves as the perfect platform with the necessary Hardware and Software Infrastructure to serve as a playground for the creative minds that solve real data driven problems at hand.

Various Real-Time Projects have been undertaken under CoE-AI. To mention a few:

Sanskrit Knowledge Accessor

A consortium project on “Sanskrit Knowledge Accessor” under the National Language Translation Mission funded by the Ministry of Electronics and Information Technology (MeitY) is undergoing in the Centre of Excellence - Artificial Intelligence. This project is a consortium of various IITs, NITs, University of Hyderabad and IGDTUW. The main aim of the project is to make available the ancient knowledge stored in Sanskrit language to the researchers and masses.

Automatic approach for Real-Time Facial Recognition

A project on Facial Recognition under Central Forensic Science Laboratory, Ministry of Home Affairs is undergoing in the Centre of Excellence - Artificial Intelligence. The main aim of the project is to recognize the faces of criminals in real time under various unusual circumstances.



Centre of Excellence in Mechatronics

IGDTUW received a massive funding of Rs. 8 Crores from Delhi Knowledge Development Fund [DKDF], Government of Delhi.



COURSES OFFERED

Ph.D. Programmes		
S.No.	Name of the Course	Specialization
1.	Regular Ph.D. Programme (after completion of UG & PG Degrees)	Electronics & Communication Engineering (ECE), Electrical Engineering, Information Technology (IT) Artificial Intelligence & Data Sciences (AI & DS), Computer Application, Computer Science & Engineering (CSE), Mechanical & Automation Engineering (MAE), Management and Applied Sciences & English (ASH)
2.	Direct Ph.D. Programme (Full Time after 4 - years Bachelor's Degree/1- year Master's Degree)	Electronics & Communication Engineering (ECE), Electrical Engineering, Information Technology (IT) Artificial Intelligence & Data Sciences (AI & DS), Computer Science & Engineering (CSE),

Post Graduate Programmes			
S.No.	Name of the Course	Specialization	Duration (Year)
1.	M.Tech-IT	Cyber Security (CS)	2
2.	M.Tech-CSE	Artificial Intelligence (AI)	2
3.	M.Tech-CSE	Data Sciences (DS)	2
4.	M.Tech-ECE	VLSI Design	2
5.	M.Tech-MAE	Robotics & Artificial Intelligence (R&A)	2
6.	MCA	Master in Computer Application	2
7.	M. Plan	Urban Planning	2
8.	MBA	Master of Business Administration	2

Infrastructure and Transforming students into Leader through Meticulous Programmes

IGDTUW has a state-of-the-art infrastructure comprising of modern well-equipped Labs, fully Wi-Fi Enabled Campus, Computer Centre, fully Automated Library, Auditorium, Multi-purpose Hall, Conference Room, Seminar Room, Hostels, Sports Facilities, etc.

The university has worked hard to build a strong academic curriculum with a rich diversity of courses and is working towards new academic initiatives. Academic innovations have always been topmost in the priorities of the University.

With globalization, today's graduates need to be flexible, to be able to learn quickly and to be able to innovate to produce products and services that can cater to local needs and global standards. The institute has designed the B. Tech. curriculum from the ground up to produce technology-savvy leaders and designers for future India through the Choice Based Credit System (CBCS) based curriculum where student has freedom to study subjects from her choice.

Curriculum includes subjects from Departmental Core Courses, Departmental Elective Courses, Allied Elective Courses and Generic Open Elective Courses. Students can also join MOOC courses from NPTEL and others. Students can choose the Project Track, Research Track or Entrepreneur Track based on her interest for minor and major project work.

The curriculum has a broad base of courses in Architecture, Engineering, Management, and Humanities. The syllabi are continuously updated and new courses are added from time to time. Academic Council and the Boards of Studies have representations from industry in addition to academicians from top academic institutions. University is offering the following programs:

Under Graduate Programmes:

- Bachelor of Technology (B.Tech.) in CSE-AI/CSE/IT/ECE-AI/ECE/MAE/AI&ML
- Six Years Dual Degree Bachelor of Mechanical and Automation Engineering (B.Tech. and Mater of Business Administration (MBA) with Exit Option after 4 years-MAE)
- Bachelor of Architecture (B.Arch.)
- Bachelor of Business Administration (BBA)

Post Graduate Programmes:

- Master of Technology in CSE (Artificial Intelligence)/CSE (Artificial Intelligence Data Sciences)/IT (Cyber Security)/ECE (VLSI Design)/MAE (Robotics and Artificial Intelligence)
- Master of Planning (Urban Planning)
- Master of Business Administration (MBA)
- Master of Computer Applications

Ph.D. programs in all Engineering & Technology Branches, Architecture, Sciences, Humanities & Management

Ecosystem for Research

The University is on the Mission to promote high quality Scientific Research with focus on Engineering, Technology, Science, Architecture, Management and Humanities. Research is of utmost importance for both the economic and social development of a nation. The cognitive and pragmatic approach of the female gender; blended with sensitivity; to the need so four society helps in building the knowledge economy of our country. Indira Gandhi Delhi Technical University for Women has evolved to become a national flagship, research-led University with a 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, thereby attempting to strike out a fine-balance between world of work and life. The University vows to devise sustainable systems and state-of-the-art infrastructure to enable the Indian women to dawn the role of future leaders, managers, researchers and productive team players in the field of Science & Technology. Faculty Members are encouraged to submit proposals for sponsored research and undertake research-based consultancies.

The major thrust areas of research at the University are Artificial Intelligence, Big Data Analytics, Speech Translation Systems, Web Technologies, Fuzzy Database Management, Mobile Computing, Wireless Sensor Network, Machine Learning, Internet of Things, Algorithms Design, Information Security, Secure Wireless Networks, Cloud Computing, Business Intelligence, Data Communication Networks, Data Aggregation in wireless sensor networks, Cryptography, Cyber Forensics, Cyber Security, Optical Communication, Digital

Signal and Image Processing, VLSI Design, Embedded System, Medical Image Processing, Renewable Energy Resources, Microelectronics, Radio Frequency circuits, Analog Integrated Circuits, Evolutionary Algorithms, Biomedical Engineering, Sensors, Power Electronics, Machine Design Engineering, Tribology, Composite Materials, Robotics & Automation, Thermal Science and Engineering; Green Manufacturing; Bio-composite materials, Polymers, Atmospheric Sciences, Nanomaterial fabrication and engineering, Thin Film Technologies, Mathematical programming, Allocation Problems, Applied Optics, Panoramic and 3-D Imaging, English Literature and Communication Studies.

In the last three years, IGDTUW has witnessed a greater focus on building research facilities augmented by funding from Department of Science and Technology, Delhi Knowledge & Development Fund and various other national and international funding agencies. Many new labs have been added in various departments during this period. Resources have been generated by the faculty through sponsored research projects from DST, MHRD, MCIT, MEIT etc. which have added value to their research and technology.

The University has been actively involved in collaborative programmes with National and International Organizations/Universities to remain at the forefront in Scientific and Technological development and to share the knowledge for mutual benefits. IGDTUW is currently partnering with various Universities to promote various forms of Academic Collaborations with Institutions and Industries for improvement in performance of the students, knowledge updating of faculty, bridging the gap between Academia & Industry, better placements of students and higher studies opportunities for students. The University aims to improve overall research performance and promote research activities undertaken by the students of the University. To strengthen the research culture in the campus and encourage the students to pursue quality research work, various Incentive/ Schemes/Financial Assistance have been launched by the University from the on-going session:

- Financial Assistance to Full time Ph.D. Scholars of IGDTUW who are not in receipt of any kind of Financial Assistance from any other sources.
- Financial Assistance to non-GATE M. Tech and M. Plan Students who are not in receipt of any other kind of Scholarship/Stipend etc. from any other sources.
- Incentive to UG/PG Students for Publication of Research Papers in SSCI/SCI/SCIE/Scopus/ESCI Indexed Journals.
- Financial support to the Faculty Members and Students for presenting Research Papers in National and International Conferences.

Promote Quality Research

- Research Incentives and Awards to celebrate exceptional performances: Every year, faculty members/PG/PhD researchers with publications of Research papers in SSCI/SCI/SCIE/Scopus/ ESCI Indexed journals are awarded with a cash prize and Awards upto Rs. 5,00,000/-maximum and Rs 20,000/- minimum (to boost research and innovation).
- Research Incentives and Awards for Patents: Faculty members/PG/PhD researchers are awarded with a cash prize and Awards upto Rs. 5,00,000/-maximum and Rs 2,00,000/- minimum.
- Research Grants: IGDТУW provides financial assistance to all the faculties/students to participate in conferences at national/international level.
- Reimbursement of registration fee for presenting the research paper in the conference.
- Dual Ph.D Programme under Cotutelle Agreement with international universities.
- IGDТУW JRF/SRF monthly Fellowship of Rs. 38,440/- and Rs. 43,400/- respectively.
- All Full Time Ph.D. Scholars receive Monthly Stipend of Rs. 10,000/-

Celebration of Annual Research Excellence Awards:

IGDTUW has introduced Research Excellence Awards from August 2019, mainly to support quality and innovative research and to recognize the achievements of the faculty and student researchers. The Cash Award will be given to Researchers (faculty members and students of IGDТУW) in recognition of the importance of the published research work and to motivate individual excellence in research in all the disciplines of the University. The University offers four categories of awards annually namely, Outstanding Research Awards, Premier Research Awards, Commendable Research Awards and Motivational Research Awards.

The **Second Research Excellence Award ceremony is being celebrated on March 15th, 2023**, where research awards along with Certificate of Merit shall be granted to all Researchers who have qualified the selection criteria in each category of the award. This initiative would create an enabling research environment in the University and would enhance the focus on outcome-based research.



Promote Sponsored Research:

IGDTUW has fetched more than 15 projects from Department of Science & Technology (DST), Ministry of IT & Electronics (MietY), Department of IT and Electronics (DietY), Ministry of Education (MoE) etc. with the funding of more than Rs. 5 crores.

Build Centre of Excellence:

It is matter of pride and honour for faculty and students of IGDTUW that the university has setup following Centre of Excellence (CoE).

- (i) Centre of Excellence (CoE) in Artificial Intelligence: IGDTUW has received a whopping grant of Rs.3.6 Crores in 'phase 1' and received sanction of Rs. 8.3 Cr. for phase 2 from DST for the CoE.
- (ii) Centre of Excellence in Mechatronics: IGDTUW has received a massive funding of Rs. 8.67 Cr, given by Delhi Govt. to IGDTUW for setting up CoE with the objective to promote research in Drones, Robotics and Automation. This will specially benefit girl students to increase their knowledge base in the intersected domain of electronics and mechanics.
- (iii) Government of NCT of Delhi has funded INR Two crores Fifteen Lakhs to support Anveshan Foundation for Innovation, Entrepreneurship, Start-ups and Incubation related activities at the University Campus. In the last financial year i.e. 2020-21, sanction of INR Four Crore Fifty Lakhs has been received from the Department of Science and Technology, Government of India to accelerate the activities of Anveshan Foundation. Now Anveshan is NIDHI-TBI i.e. 'Technical Business Incubator' under a scheme of DST 'National Initiative for Development and Harnessing Innovations'.

Pertinent Programs:

IGDTUW has partnered with several industries for improvement in the performance of the students, knowledge updating of faculty members, bridging gaps between academia and industry, better placements and higher studies opportunities for students. Few of these collaborations worth mentioning are: NASSCOM & CISCO for setting up of thingQbator Innovation Lab & M/s Flour Daniel for setting up Turning Lab (both under their CSR activities), EATON Foundation for Internship placement and scholarship to students, IBM India Pvt Ltd for academic growth and Technological advancement, Fair conditioning for designing course curriculum of B.Arch program, Amazon AWS and Ennoble IP etc.

Students also take part in various curricular and extra-curricular activities and competitions within the university and outside. On several occasions, they represented the university and won prizes and medals to bring laurel to the university. The University students are encouraged to participate 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, WiBD etc., fourteen institute level societies and four clubs related to various Technical, Art and Culture and Environment activities.



SCHOLARSHIPS & AWARDS IN IGDTUW

1. Six Awards & Scholarships given by IGDTUW:-

Upma Memorial Award	B.Tech. MAE, 4th year (Overall Topper)
Dr. Babuajee Jha Scholarship	B.Tech. 1st year all batches (1st Topper)
Mrs. Phool Devi Scholarship	B.Tech. 1st year all batches (2nd Topper)
Prof. Shail Bala Jain Motivational Award	B.Tech. ECE, 2nd year (3 Toppers)
Shri Dharampal Scholarship	B.Tech. 2nd year Topper across all branches
Sant Rajinder Singh Ji Scholarship	B.Tech. 3rd year Topper across all branches

2. **Pratibha Scholarship by Eaton** - Eaton through Eaton India Foundation has designed a project called "Pratibha" under which it will provide merit based scholarship support for students of B.Tech. program by way of giving away the "Pratibha Awards". The scholarship is awarded as per the eligibility criteria set mutually by Eaton and the IGDTUW. The candidate is finalized for the award only upon approval from Eaton.
3. **Shraman Foundation Scholarship**- Shraman Foundation, a company based in Dallas, Texas, USA and incorporated under the law of Texas, the United States of America offers Scholarship as a Financial Support to the students of Economical Weaker Sections (EWS) enrolled in IGDTUW for B.Tech/B.Arch./DMAM/ MCA of annual parental income less than Rs. 5 lakhs.
4. **Katalyst Scholarship**- Human Capital for Third Sector (HCTS) under its program called 'Katalyst has signed a MOU with IGDTUW with an objective to provide life skill enhancement, mentoring, technology support, Financial incentive, internship assistance to students of IGDTUW.
5. **Transfer of Credit Earned by Ms. Revika, B.Tech. (CSE) 4th year 8th Semester from Lancaster University, UK**- The Academic Council in its 19th Meeting has approved the transfer of credit earned by Ms. Revika, B.Tech. (CSE) 4th year 8th Semester from Lancaster University, UK.
6. Merit cum Means Income linked financial assistance scheme (<https://edistrict.delhigovt.nic.in/>)
7. Merit Scholarship for students belonging to SC/ST/OBC/Minority (<https://edistrict.delhigovt.nic.in/>)
8. Post Matric Scholarship Schemes for SC/OBC (<https://edistrict.delhigovt.nic.in/>)
9. Pragati Scholarship Scheme (<https://scholarships.gov.in/>)
10. Saksham Scholarship (<https://scholarships.gov.in/>)
11. Merit-cum-Means Scholarship on National Scholarship Portal (<https://scholarships.gov.in/>)
12. Central Sector Scheme Of Scholarships For College And University Students (<https://scholarships.gov.in/>)
13. Prime Minister's Scholarship Scheme for Central Armed Police Forces & Assam Rifles (<https://scholarships.gov.in/>)
14. Scholarships available on UGC Portal (https://www.ugc.ac.in/ugc_schemes)

(a) PGGATE for GATE qualified M.Tech. students	(d) NET-JRF for Ph.D (OBC) candidates
(b) RGNFSC for Ph.D (SC/ST) candidates	(e) NFOBC for Ph.D (OBC) candidates
(c) MANF for Ph.D (Minority) candidates	

15. **Financial** Assistance schemes/incentives have especially been implemented to promote the research.

Eco-system of the University:

- Financial Assistance to Full Time Ph.D scholars (Rs. 10,000/- p.m.)
- Financial Assistance to Non GATE qualified students pursuing M.Tech. and M.Plan (Rs. 7500/- p.m.)

Note:- The detailed guidelines of all the scholarship schemes are available on university website.

INTERNATIONAL OFFERS AMAZON DUBLIN, PACKAGE 1.2 CR

FACEBOOK LONDON: Astha Jain and Archita Varshney, B.Tech CSE Final year students got the opportunity to intern at Facebook London and have also bagged the full time offers from there.



Student's Triumph:

- Ms. Eva Thakran, a final year M. Tech. (Cyber Security) student has bagged the prestigious FS-ISAC scholarship 2022 of USD 10,000. This is the third consecutive year that a student of IGDTUW (only student from India) has been selected for this prestigious scholarship to pursue internship.
- Ms. Anushka Sharma has won the GLOBAL CYBER PEACE CHALLENGE 2022 Award. She had competed amongst 120+ participating countries around the Globe.
- A remarkable appreciation for Ms. Asmita Chakraborty, student of B.Arch. Program at IGDTUW. She bagged the First Runner up Position in Glam and Miss India Pageant while representing India for Miss Tourism World 2021.
- In view of the remarkable contribution at DST Startup Zone, Ms. Manasi Mishra represented Anveshan Foundation TBI in 28th convergence India and 06th Smart cities India EXPO during March 24-26, 2021 at Pragati Maidan and showcased the products and services of ETI Labs.
- It is a delightful moment for IGDTUW that Ms. Manasi Mishra has been awarded with the DMA's, All India Women Entrepreneurs Award on 22nd April, 2021.
- Ms. Jyoti and Ms. Priya, student of M.Plan Program, first year, have made their University proud with their ground-breaking work. They participated and secured 1 Position in Street Design Challenge Competition by NIUA (National Institute of Urban Affairs) - Apex body to support and guide the Government of India on the subject of Urban Development. They did street designing for a part in Jhansi. Their design got selected for implementation on ground also.

Elite Global Scholars in Cybersecurity

The Students of the IT Department made IGDTUW proud by bagging the International FS-ISAC Scholarship.



EVA THAKRAN
M. Tech. 2023
FS-ISAC Building
Cybersecurity Diversity
Scholarship 2022 of USD
10,000 and Mentorship
by Goldman Sachs in
security domain



NIMISHA GOEL
B. Tech. 2022
FS-ISAC Building
Cybersecurity Diversity
Scholarship 2021 of USD
10,000 and Mentorship
by Goldman Sachs in
security domain



Monika Kumari
M. Tech. 2021
FS-ISAC Building
Cybersecurity Diversity
Scholarship 2020 of USD
10,000 and Mentorship
by USB Singapore

- IGDTUW witnessed a journey of accomplishments where the Alumnus, Ms. Simran, A student of B.Tech. MAE, IGDTUW (2015-2019) cleared UPSC Civil Services Examination 2020 to become an IAS Officer.
- IGDTUW was made proud by a group of students, Ambika Arora, Nitika Rana and Rishika Gupta who won the 'Wintathon 2020', a National Level Hackathon organized by LinkedIn.
- Ms. Katya Shah and Vaishali of B.Tech. (MAE) brought laurels for IGDTUW by winning the prestigious Kalpana Chawla Award.
- Ms. Sushani Chawla, Nitasha Dhingra and Oshin Saini, students of B.Tech (IT) have been conferred with a whopping amount of Rs. 1,00,000/- as a cash reward in the Synergy

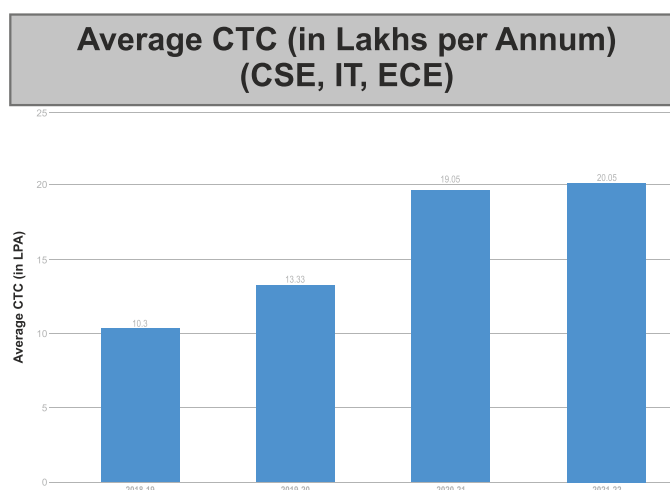
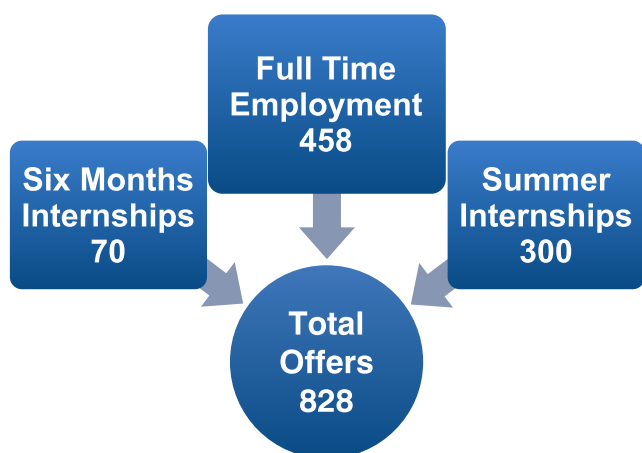
THE CAREER TRAJECTORY

1. TNP- ICE (Information Technology, Computer Science & Engineering and Electronics & Communication Engineering)

The Placement season for the batch 2021-2022 started with the high note and more than 135 companies visited the campus with number of offers for IGDTUW girls of circuit branches, i.e., CSE, IT and ECE as 458 including full time (FT) offers and dual offers (FT and six-month internship).

Major Highlights-2021-2022

- Highest Package: National Offer: Rs. 55 LPA by Adobe.
- Highest Package: International Offer: Rs. 1.2 Crores by Amazon Dublin.
- Highest (2 month) Internship Package: Rs. 1.6 LPM by Uber.
- More than 300 students received Paid summer internships, at the beginning of the third year in B.Tech Program.
- More than 70 students of final year B.Tech/ M.Tech Program, pursued six months paid internships.
- The University is extremely proud to partner with some of the leading names who have extended full time offers for their businesses in India, such as Google, C2FO, Goldman Sachs, Intuit, Uber, Microsoft, Atlassian, Myntra, Urban Company, Serve Now, Adobe, Amazon, Rippling, Zynga, Citrix, Semut, Swiggy, Expedia, Morgan Stanley and many more.
- International offers have been extended by Amazon- Dublin, Barclays- UK, Facebook-META London, Protex AI, Ireland and JPMC London.



Placements at a Glance 2021-22

NAME OF THE COMPANY	STUDENTS SELECTED	PACKAGE (IN Rs. LAKHS/YEAR)
Amazon Dublin	3	120.00
Accenture	7	4.50
Adobe	10	55.00
Adidas	1	12.00
Amazon (CSA Role)	4	21.40
Amazon (SWE Role) (B.Tech/MCA)	8	32.16/32.66
American Express	33	16.60
Atlassian	4	26.75
AU Bank	2	8.00
Baxter	1	10.00
Baxter	1	10.00
Barclays (BA3 Tech./Graduate Anlst)	3	12.00/12.73
BlueYonder	3	8.58
Browserstack	1	21.44
Capgemini	7	7.50
Chegg	1	11.00 + \$ 18000 USD
Citrix	5	23.74
Cisco (BTech+ MCA/M.Tech)	17	1.43/17.55
Citi India	14	12.00
Comviva	1	7.20
Cognizant	17	6.25
Deutsche	11	19.63
Deutsche Telekom	5	15.00
Deloitte	36	7.50
Dunhumby	3	11.05
Ericsson	1	6.00
Expedia	12	35.00
FIS Global	6	5.50
Flipkart	8	26.57
Google	13	31.96
Goldman Sachs	6	26.00
GE digital	2	17.30
Genpact	10	11.40
Geeks for Geeks	2	3.00
Halliburton	3	8.70
HashedIn	1	8.00

NAME OF THE COMPANY	STUDENTS SELECTED	PACKAGE (IN Rs. LAKHS/YEAR)
HPE	4	11.50
Infoedge	2	12.50
IBM	1	7.25
INTUIT India Product Development	21	14.00
JP Morgan Chase	4	21.40
Jubilant Foodworks	1	15.00
Lowes	5	19.34
Loadshare Networks	5	17.00
Mckinsey & Company	8	12.00
Microsoft	37	45.00
Micron Technology (B.Tech/M.Tech)	4	9.45/10.10
Morgan Stanley	7	25.30
Myntra (SWE/DA)	4	26.57/15
Nagarro	2	4.50
NXP Semiconductors	2	17.70
Optum UHG	15	13.80
Oracle	8	16.64
OYO	4	15.00
Pay u	7	16.50
Pentair	1	9.30
Publicis Sapient	2	10.00
PWC Acceleration center	2	6.00
PWC India (M.Tech/ B.Tech)	6	10.00/8.50
Rippling	6	33.25
SAP	1	20.50
Samsung	1	14.50
Schneider Electric (B.Tech/ M.Tech)	6	9.00 / 9.25
Service Now	2	25.66
Siemens	2	9.00
Synopsys (B.Tech/ M.Tech)	3	18.93/20.31
TCS	5	3.53
To the new (Tech)	4	4.50
To the new (HR+Inside Sales)	1	4.50
Tokopedia	1	12.00
Twilio	3	43.14
Uber	1	6.00

NAME OF THE COMPANY	STUDENTS SELECTED	PACKAGE (IN Rs. LAKHS/YEAR)
Visteon	1	6.00
VISA	5	22.80
VM Ware	7	19.72
Walmart	23	22.62
Western Digital	8	19.15
Wells fargo	10	20.00
ZS Associates (Tech/Non-Tech)	7	18.24/12.84
Zynga	1	54.50

Some of the Six Month Internship Offers

NAME OF THE COMPANY	STUDENTS SELECTED	PACKAGE (IN Rs. LAKHS/YEAR)
Amdocs (Technical Interns)	2	15,000/-
Disney+Hotstar	2	1,00,000/-
3rd ITECH	2	15,000/-
Logisteix	3	25,000/-
Netapp	7	35,000/-
Phillips	2	35,000/-
Publicis Media	3	15,000/-

Some of the Two Month Summer Internship Offers

NAME OF THE COMPANY	STUDENTS SELECTED	PACKAGE (IN Rs. LAKHS/YEAR)
Adobe	8	1,00,000/-
American Express	6	85,000/-
Atlassian	5	70,000/-
Barclays	3	66,667/-
Citrix	5	60,000/-
Citi India	12	75,000/-
Deutsche	4	75,000/-
Disney+Hotstar	4	1,00,000/-
Expedia	21	35,000/-
Flipkart	5	1,00,000/-
Fractal Analysis	4	30,000/-

NAME OF THE COMPANY	STUDENTS SELECTED	PACKAGE (IN Rs. LAKHS/YEAR)
Goldman Sachs	12	1,00,000/-
Google	12	1,10,000/-
Intuit	3	80,000/-
JP Morgan Chase	22	50,000/-
LinkedIn	4	35,000/-
Loadshare Networks	5	50,000/-
Microsoft	59	1,25,000/-
Morgan Stanley	4	87,000/-
Myntra	6	60,000/-
Optum UHG	34	35,000/-
Oracle	5	50,000/-
SAP	4	35,000/-
ServiceNow	6	70,000/-
Triology	1	1,50,000/-
Twilio	4	1,22,325/-
Twitter	1	45,000/-
Uber	2	1,60,000/-
VISA	11	65,000/-
Walmart	5	80,000/-
Western Digital	5	35,000/-
Wells Fargo	13	80,000/-

2.TNP - BBA & MBA

The Department of Management was incorporated in 2019, with the first batch of admissions in Bachelor of Business Administration (BBA). The Master of Business Administration (MBA), first batch was admitted in 2020. The department aims to impart magnificent and pragmatic education to all in the field of Business Administration at UG and PG level. The students are professionally equipped in Management studies and make them leaders ready to achieve huge endeavours in the corporate world.

Bachelor of Business Administration (BBA)

- The first batch (21-22) of 77 diligent students, 68% of the students have bagged the offers for Post-Graduate Courses in Universities like IIM, IGDTUW, NIFT, IMS and others. 34% of the students are currently working in corporate giants like Amazon, KPMG, HCL Technologies, Sugar Cosmetics, Microtek and Droom Inc.
- The highest package received by these students is 7.0 Lakhs, and the average package secured by our students was 4.0 Lakhs.

Master of Business Administration (MBA)

- The first batch (2021-22) of 27 dedicated and diligent students bagged excellent internship opportunities from eminent establishments such as RBI, Ernest and Young, Boston consulting group, PWC and Tata Power DDL and others.

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- The highest package received by these students is 7.0 Lakhs, and the average package secured by our students was 4.0 Lakhs.

Master of Business Administration (MBA)

- The first batch (2021-22) of 27 dedicated and diligent students bagged excellent internship opportunities from eminent establishments such as RBI, Ernest and Young, Boston consulting group, PWC and Tata Power DDL and others.
- A majority of the students from batch 2021-22 are currently working in Corporates such as Deloitte, Hero electric, Pearson, Microtek and Dr. Reddy's Laboratories and others.
- The highest package received by our students was 20.0 Lakhs offered by fellowship, and the average package secured by our students was 7.0 Lakhs.

3. TNP - MAE (Mechanical & Automation Engineering)

The MAE Training and Placement Cell keeps organizing industry engagement activities and contests on a regular basis to help students keep pace with industry trends and learn critical technical skills needed to become effective engineers in their disciplines. With continued visits from firms that are still in the recruiting process, we anticipate that 100% of students will be placed by the conclusion of the placement session.

It is a matter of tremendous pride to share that in comparison to that last year 2021-22, there has been a rise in average CTC from Rs. 8.73 Lakhs per annum to Rs. 14.35 Lakhs per annum. There has also been a rise from 38 FTE offers in 2021-22 to 57 FTE offers in 2022-23. In addition to that, 21 final year students were selected for the 6-month internship at some top-notch companies.

The MAE Training and Placement Cell helps the students by regularly organizing industry interaction activities and competitions to stay abreast of current industrial trends and gain key technical skills to become proficient engineers in their fields.

Leading in every domain, Mechanical girls have once again proved their excellence, bagged opportunities and giving notable results. One final year student was part of the Cisco women in cyber security boost campaign 2.0. Team Yantriki participated in Aravali Terrain Vehicle Championship virtual season 2 and were AIR 1 overall winner; AIR 1 in CAE, Cost Report, DFMEA Report. 3 students were selected for Pratibha - The Eaton Excellence Award in the year 2022. 15 pre-final year students were selected as a mentee in the Microsoft engage program throughout the country, while one pre-final year student was selected for the Harvard WeCode Scholarship. One student was among the top finalists of the Amex Makeathon and received an intern offer at American Express. Students participated in Scholarship and hackathons like GHC Scholar for the year 2022, Smart India Hackathon, millennium fellowship program. Our pre-final year students were selected for summer internships at organizations like DRDO, National

Spark Internship by IIT Roorkee. 5 students were provided the opportunity for internship at Siemens in the month of June-July 2022.

Adding to this, another mechanical student was selected as LiFT scholar and Goolge ML Bootcamp scholar. Not only nationwide, one of the IGDTUW girls bagged the international internship offer at Research internship at MIR lab (USA). Two students were selected in Jumpstart, Publicis Sapient 202, further qualifying for Round 2 in prestigious Flipkart Grid 4.0. One Pre-final year student was selected as a mentee in the AWS She Builds Mentee for Asia Pacific and Japan region.

Even two second year students bagged the prestigious Shraman Foundation Scholarship 2022.

Adobe, Alstom, Becton Dickinson, American Express, Citibank, ExxonMobil, Fractal Analytics, Goldman Sachs, Hero Motocorp, ITC Ltd, Jubilant Foodworks, Palo Alto, Networks, PhonePe, Schneider Electric, TCS, Technip Energies, Technip FMC, Wells Fargo, Zomato, PWC, TVS and many more prestigious companies visit us every year and offers the best opportunities to our students.

The Training and Placement also organizes training sessions on popular software and technologies. The Training and Placement team of Mechanical and Automation engineering have mobilized more than 20 companies visiting us for both FTE and 6 months internship program. The companies that have visited are Bajaj, ExxonMobil, Volvo, BD, Deloitte, ZS, Baxter, Schneider Electric, MG motors, Chegg, TVS, Tata Electronics, Mc Dermott, ITC, ITC Supply Chain, Amazon, Wabtec, Myntra, Anand, Philips, GE, and many more.

Training & Placement Statistics for M.Tech. and MCA Students

Session: 2022-23)

At IGDTUW, we take great satisfaction in offering our students an educational experience that goes beyond traditional classroom teaching. Our vision is to provide students with possibilities for internships, real-world skills training, and career paths. We are excited to present some astounding numbers that demonstrate our dedication to student excellence:

Internship Opportunities:

Internships, in our opinion, are essential for bridging the divide between academia and business. We are happy to report that 88 students out of the eligible 167 students took advantage of internship opportunities to get significant practical experience. Our students have been able to apply their knowledge in real-world situations and develop vital industry - specific skills because of internships.

Pre Placement Offers (PPOs):

Nine of our students have received pre-placement offers (PPOs) as a result of their exceptional performance throughout their internships. This is evidence of the high calibre of instruction and preparation that our students receive, as well as of their commitment and diligence.

Placement Eligibility:

We are pleased to report that all the 167 admitted students have qualified for placements. This is a reflection of the solid academic foundation, marketable skills, and assistance with professional development we provide to our students.

On-Campus Placements:

A huge number of 102 students were placed as a result of our on-campus recruitment drive. These placements cover a wide range of industries and job functions, demonstrating our graduates' adaptability and readiness to succeed in their chosen fields.

At IGDTUW, we believe in fostering an environment that nurtures the potential of our students and prepares them for a competitive job market. Our dedicated faculty, state-of-the-art facilities, and industry collaborations ensure that our students receive the best possible education and career opportunities. Further, we are proud to announce that our students have been offered highly competitive job packages, showcasing their skills and market demand. PG students at IGDTUW have been able to grab an average job package (CTC) of 9 LPA (INR), median Job Package (CTC) of 12 LPA (INR). IGDTUW girls

have received The highest Job Package (CTC) of 44 LPA (INR) in the last placement season. Our students have successfully secured employment in diverse sectors, and we are delighted to share the distribution of job packages across different salary ranges:

Range (CTC) in LPA (INR)	Students
Range <= 5 lacs	9
Range < 5 and <=10 lacs	25
Range < 10 and <=15 lacs	26
Range < 15 and <=20 lacs	27
Range < 20 lacs	15

Placements at a Glance 2021-22

NAME OF THE COMPANY	STUDENTS SELECTED	PACKAGE (IN Rs. LAKHS/YEAR)
Chegg	1	27.75
Amazon	3	23.00
ZS	3	12.84
ExxonMobil	3	11.41
Baxter	1	10.08
ITC	1	12.00
ITC Supply Chain	2	10.00
Bajaj	2	9.09
Schneider Electric	2	9.00
PwC	1	9.00
TVS	3	8.00
Deloitte	5	7.60
BD	1	7.00
Anand	1	6.50
MG Motors	1	6.00
Tata Electronics	4	6.00
Mc Dermott	5	5.50
Volvo	1	5.50



Glimpse of Activities under CoE-AMS

Centre of Excellence for “Science of Happiness”

"The Science of Happiness" delves into the Science and Practice of living a happy and meaningful life. To make this a part of the curriculum, the Rekhi Foundation for Happiness and IGDTUW have inked an agreement to create the Rekhi Centre of Excellence for the Science of Happiness at IGDTUW in Delhi on April 01, 2022. Students are being exposed to some of the most intriguing and practical insights from the most recent research, learning how cutting-edge research may be applied to their own life. The vision of the Centre is to develop a platform that would help in imparting the Knowledge of Happiness and Positive Psychology and contribute towards developing an eco-system of Happy & Successful people. Through the development of this centre, Rekhi Foundation aims to promote happiness studies, research and practice. project is to recognize the faces of criminals in real time under various unusual circumstances.

Currently, the Rekhi Centre at IGDTUW is running a course “Science & Practice of Happiness” which involves a detailed curriculum including Happiness in Daily Living, Creativity & Happiness, Consumer Happiness, Communicating Happiness and various other topics. It will be directed at helping students to learn and acquire the tools for happiness while not necessarily adopting the prescriptive pedagogy.

In the future, other courses will also be floated by the Rekhi Centre of Excellence for the Science of Happiness. Additionally, some of the students are provided internships by the centre in the domain of well-being pertaining to the research interests of the University.

Centre of Excellence in Mechatronics

The Centre of Excellence (CoE) in Advanced Mechatronics System has been setup at the University with funding of Rs. 8.00 Crores from Delhi Knowledge Development Foundation (DKDF). This Skill Development Initiative of CoE AMS is offering a complete learning solution to build specific skills and equip students with employable skills in Engineering and Manufacturing sector as per Industry 4.0 expectations and to provide an opportunity for promising innovations. The core component of AMS includes Software for Advanced Mechatronics Systems for simulating Mechatronics Systems, Programming PLCs and designing SCADA systems, with integration into IOT platforms, Robotic and CNC programming and projects to implement Artificial Intelligence for Industrial.

Innovation & Incubation Centre

IGDTUW has promoted and incorporated Section 8 company 'IGDTUW Anveshan Foundation' under the Companies Act, 2013 to propagate Entrepreneurial Culture and ecosystem among women entrepreneurs and women enterprises. Anveshan Foundation is facilitating students and aspirant entrepreneurs to convert their dreams & ideas into reality. All kind of facilitations (pertaining to the start-up ecosystem) are provided by Anveshan Foundation in five phases, such as (i) Pre- incubation, (ii) Incubation, (iii) Acceleration, (iv) Post-incubation and (v) Virtual Incubation.

It is matter of immense pride that 'IGDTUW Anveshan Foundation' is now recognised by the Department of Science & Technology (DST), GoI as 'Technology Business Incubator (TBI)' under NIDHI and has received a whopping funding of Rs. 4.50 Crores to accelerate and boost Innovation, Entrepreneurship, Start-ups, Incubation and Venture Development related activities at the University Campus.

Centre of Sustainable Development

The Centre for Sustainable Development (CSD) at IGDTUW constantly works towards increasing social awareness and outreach for the Sustainable Development Goals (SDG) 2030 set by the United Nations (UN). Seven teams are working under CSD and they take up different initiatives to cover 11 different SDG Goals. Recently, all the teams have launched comprehensive campaigns about pressing issues related to the SDGs and have disseminated knowledge to thousands of students at large. Details of ongoing campaigns and activities conducted are listed below:

S.No.	Name of the Company	SDG Covered	Events Organised	Total Participation
1.	ChaleStree, Stress Free	SDG 11 (Sustainable Cities and Communities)	2	2200
2.	Sab Padhenge, Aage Badhenge	SDG 4 (Quality Education), SDG 5 (Gender Equality), SDG 10 (Reduced Inequalities)	2	2300
3.	Bin Paani Sab Soon	SDG 3 (Good Health and Wellbeing), SDG 6 (Clean Water and Sanitation)	4	2900
4.	Compute to Sustain	SDG 8 (Decent Work and Economic Growth), SDG 9 (Industry, Innovation and Infrastructure)	2	1500
5.	Care, Wear and Repair	SDG 7 (Affordable and Clean Energy), SDG 12 (Responsible Consumption and Production), SDG 13 (Climate Action)	2	1500
6.	Chillao se Chill	SDG 16 (Peace, Justice and Strong Institutions)	5	4400

SOCIAL INITIATIVES

Education Mentoring Program

IGDTUW students – as Social Ambassador for Knowledge Dissemination and Hand Holding Initiative

- ✦ IGDTUW in association with Govt. of Delhi has been on a Mission to make Delhi the best in the country for promoting STEM Education among girls.
- ✦ With the aim of supporting and guiding the girls studying in Delhi Government Schools, to take up flourishing careers in the STEM fields and also to foster a deeper understanding and confidence in the Government School Students, IGDTUW initiated Education Mentoring Program, to reach the school girls of Delhi with the aim of touching their lives in a positive way.
- ✦ This project 'Education Mentoring Program' involves mentoring of school girls studying in Delhi Government Schools by the students of IGDTUW to raise their awareness about Science, Technology, Engineering and Mathematics (STEM) education. Each IGDTUW Mentor has guided 5 girls studying in 9th-12th grade and helped them to clear their doubts about careers in STEM, shared strategies for clearing entrance exams, extended support in accessing learning resources and motivated them, as they transit out of their schools to pursue further education and STEM Career.
- ✦ Till date, more than 5000 girl students have been mentored.

Now 'Education Mentoring Program' has been made integral part of the Curriculum and every student of IGDTUW is guiding 5 school girl students in shaping up their career in STEM.



Unnat Bharat Abhiyan

IGDTUW has been a part of UNNAT Bharat Abhiyan as a Participant Institute to ensure that the benefits of such interventions reach directly to the grass root level. Under this initiative, the University has adopted the following five villages in Civil Lines Sub-Division area of Central Delhi:

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

Various activities have been implemented in the adopted villages with the help of Local Administration, Community and Schools.

Major activities conducted in the adopted villages with the help of Local Administration, RWA's and Schools are as follows:

- Awareness Drive on 'Water Conservation',
- Interactions with school students and local community women to promote women participation in STEM,
- Briefing about Unnat Bharat Abhiyan initiatives,
- Painting competition on 'Save Water' theme,
- Sensitising people about usage of water and 'Water Footprint',
- Safe disposal of masks (an awareness campaign during Covid-19 pandemic outbreak),
- Ways to promote healthy lifestyle (an awareness campaign during Covid-19 pandemic outbreak).
- Conducting household and village surveys,
- Celebrating 75th Years of Independence and identifying issues for possible interventions.

Specially-abled Students of IGDTUW Mentored by ARISE, USA

It has been postulated that Specially-abled people require unique accommodations in the surroundings to facilitate their mobility and independence. It is also true that many institutes have architectural restrictions that make daily functioning difficult for impaired people. As per the mandate of NEP, ARISE USA (Act to Rise for Innovation in Special Education Impact) is mentoring a group of Specially-abled Students from IGDTUW with the goal of empowering and developing confidence in them. These youngsters are being taught to develop a Self-Learning Life Skill Set through improving their Critical Thinking, Cognitive Skills, Interpersonal Skills, and so on.

G20's 2023

In this year of India's G20 Presidency, with the theme "VASUDHAIV KUTUMBHKUM- One Earth, One Family, One Future," which directly borrows from the Upanishads' doctrine of "achieving the absolute via oneness" to describe how to achieve it. It should be highlighted that the grand ambition of restoring India to its former status as a Vishwa Guru (Knowledge Economy).

India has assumed the Presidency of G20 since 1st December 2022 and shall be hosting the G20 Summit during September, 2023. IGDTUW shall play a key role in making India "vishwaguru" and spread awareness about India and other G20 nations, especially during the India's G20 Presidency period.

G20 cell of IGDTUW has taken the initiative to capture the glimpses on G20 theme and host numerous activities and events. The events will involve students, faculty members and community at large, during India's G20 Presidency period (Dec 2022-Nov 2023) to make this G20 truly



IGDTUW ANVESHAN FOUNDATION – TBI

Innovation & Incubation Centre

IGDTUW has promoted and incorporated a Section 8 Company 'IGDTUW Anveshan Foundation' under the Companies Act, 2013 to propagate **Entrepreneurial Culture and Ecosystem among Women**.

In the last financial year i.e., 2021-22, sanction of INR Four Crore Fifty Lakhs has been received from the Department of Science and Technology, Government of India to accelerate the activities of Anveshan Foundation. Now Anveshan is NIDHI-TBI i.e., 'Technical Business Incubator' under a scheme of **DST 'National Initiative for Development and Harnessing Innovations'**.

All kind of facilitation (pertaining to the start-up ecosystem) in five phases (of complete incubation and venture development) i.e., i) Pre-incubation, ii) Incubation, iii) Acceleration, iv) Post-incubation and v) Virtual Incubation is provided by Anveshan Foundation. In Pre-incubation, activities related to Motivation, Ideation, PoC, PoV, Innovation, Prototyping, MVP, Feasibility, Prior Art, Intellectual Property Right, Pitch Deck, Business Plan and Presentation skills are provided by Anveshan Foundation. A total of sixty student members are actively working with the E-Cell (Entrepreneurship Cell) of IGDTUW. Since inception, many activities and events have been organized by the Incubation Center which includes Workshops, Boot-camps, Hackathons, and Industrial Visits, Inter College/University competitions and Start-up Acceleration Programs.

Cisco has established a complete IoT and Robotics Lab 'thingQbator' (worth INR 60 Lakhs) for Innovation under its CSR activity through its partner organization NASSCOM Foundation in support with Defy and Li2. More than 300 students have been benefitted till date in five cohorts.

GiZ India (a German Organization) had signed a Contract with Anveshan Foundation worth INR 27.5 Lakhs for Strengthening Incubation & Start-up Ecosystem specially for Women Entrepreneurs. This initiative and support from GiZ India has benefitted more than five thousand participants and attendees all over the country.

Anveshan has recently received a confirmation of Rs.7.66 Lakhs grant by the Ministry of Micro, Small and Medium Enterprises (under its Advanced ESDP Scheme) for conducting a Women Acceleration Program for the FY 2022-23 in four domain areas.

Anveshan Foundation is conducting regular Internships, Pragmatic workshops and Short-term Courses on

technical and non-technical areas for confidence building among aspiring women entrepreneurs. Some of the recently concluded workshop are:

- Start-up Management
- Innovation & Entrepreneurship
- Digital Marketing
- Python
- Family Business & Entrepreneurship

Total seventeen private limited companies are working as start-up 'Incubatees' with Anveshan Foundation. All of these incubatees are women enterprises. Details of all these incubatees along with their products & services are available on the website of Anveshan Foundation. Incubation Center provides facilities for Company Incorporation, fully furnished air-conditioned co-working/ office space, complete ICT and free consultation support to all of its pre-incubatees and incubatees. As mentioned earlier, there is also a provision of Seed Fund against equity for 'Incubatees with Investment' for its incubatees.

IGDTUW Anveshan Foundation has a pool of Consultants and Mentors empanelled with it to formulate and implement growth strategies for the incubatees as an essential part of business acceleration. Support in Product Development, Product Refinement, Marketing, Human Resources, Supply Chain, Franchise Models and Bargaining with Investors is provided by IGDTUW Anveshan Foundation.

Incubation Center has also signed ten MoUs with other colleges, institutes and universities to facilitate and establish incubation centres in their premises and to accelerate and diversify businesses of their students and incubatees through various channels.

After the incubation period, at the phase of post- incubation, hand holding support continues from Anveshan Foundation in consultancy, laboratories, innovation and portfolio management. Through virtual mode, Anveshan Foundation is helping many other start-ups all over the country.



NATIONAL AND INTERNATIONAL COLLABORATIONS

MoU with Prestigious International Universities

- UniMAP- University of Malaysia, Perlis, for Research and Development activities and work collaborations, Students and Faculty exchange programs.
- IGDTUW signed a cotutelle agreement with James Cook University (JCU), Australia for student's research collaborations and pursue dual-degree Ph.D. Programs. Few students from IGDTUW have already registered and started their dual degree programs with JCU.
- Nara Institute of Science and Technology (NAIST), JAPAN, for Research collaborations, Students and Faculty exchange programs, Remote Internship programs. Recently two students from IGDTUW have been selected for NAIST-AHC call for interns, Internship program commencing from October- 2022 till May 2023.
- National Ping Tung University [NPTU], Taiwan for research collaboration, student and Faculty Exchange etc.
- Maykop State Technological University, Maykop, Russia for collaborative research, exchange of faculty, students, researchers etc and jointly organizing Symposia, Seminars and Conferences.
- Collaboration with United Kingdom Research and Innovation, Centre of Ecology & Hydrology, CEH, UK to facilitate cooperation between the UK and Indian Earth System Science and Environmental Research Communities.



Industrial Collaboration at International Level

- Cyber Peace Foundation for setting up of Centre of Excellence in Cyber Security.
- Rekhi Foundation for establishing Centre of Excellence in 'Science & Practice of Happiness'.
- Omega Seiki Mobility (OSM), for setting of state-of- the-art testing lab for Electrical Vehicle and charging station in IGDTUW premises, besides providing Internship programmes and Research exposure.
- EATON Foundation for providing Internships, Placements and Scholarships to the IGDTUW students.
- MoU signed with 'Fair Conditioning' for designing the course curriculum of B.Arch. program by inclusion of pedagogy, tools and techniques of energy efficiency and Passive active cooling techniques.
- MoU with Amazon signed by Department of Information Technology.

Worth-mentioning International Students Chapter at IGDTUW

- OSA (The Optical Society)
- ASME (American Society of Mechanical Engineers)
- IEEE
- ACM
- WiBD (Women in Big Data)
- Enactus



MoU with Prestigious National Level Organizations / Industries

- MoU with IBM India Private Ltd. for the holistic Academic Growth and Technological Advancement
- MoU with Enobble IP&Ortis Law Offices for facilitating activities pertaining to intellectual property to staff and students and Incubatees.
- HDFC bank for assisting in start-up innovation goals and exchange of Financial and Technology tools.
- Edunet Foundation for Skilling, Employment and Entrepreneurship.
- Mundo Latino for training and skill development.
- MoU with Different Departments under GoI/ GNCTD /NGO's /Corporates /Research Organizations.
- CFSL-Chandigarh: IGDTUW has collaborated with Central Forensic Science Laboratory, Chandigarh for development and delivery of real-time research products.
- FSL-Delhi: IGDTUW has collaborated with Forensic Science Laboratory Delhi to harness and deliver research products based on real-time societal challenges such as Cyber-Security, Ethics and Criminal

cases. IGDTUW has planned to send 10 interns this year to FSL for understanding and getting guidance in their special domains.

- Delhi Subordinate State Selection Board (DSSSB) for providing Technical Support and effective utilization of the University infrastructure for conducting recruitment examinations.
- Indraprastha Power Generation Co. Ltd. (IPGCL), for providing consultancy support for recruitment process.
- MoU with Municipal Corporation of Delhi (MCD) for Urban Planning.
- Training of Delhi Police Staff on Cyber Security & Cyber Crime.

LEARNING BEYOND THE BOUNDARIES OF CURRICULUM FOR HOLISTIC DEVELOPMENT

Taarangana 2023 – Cultural Fest of IGDTUW

Taarangana is the Annual Cultural Extravaganza of IGDTUW, the highlight of the academic year, where one gets to take a break from studies and pay homage to our culture. This is an ode to our nation, India's respect for heritage and diversity.

Taarangana 2023 was celebrated on 15-16 April 2023. The event started with Theme, “Merak: A Walk Across the Bridge of Time” speaks volumes about with a rich profusion of Fun and Prime events, Taarangana'23 proved to be a vibrant and ebullient experience. All in all, this edition of Taarangana was a festival like never before, taking the fun to another level, reaching audiences far surpassing erstwhile editions of Taarangana. The entire university eagerly awaits Taarangana next year!



Innervive 2022 – Technical Fest of IGDTUW

Innervive is the Annual Technical Fest of Indira Gandhi Delhi Technical University for Women, catering to the interests of numerous students across all fields. Experiencing a footfall of over 50,000 students from all over the country every year and an online reach of over 60,000 on all social media handles. Innervive is a platform where, technical acumen blends with creativity and innovation. Innervive conducts a plethora of events, workshops, and guest lectures in which students can showcase their industrial prowess. This year also, Innervive hosted numerous events like Innervive Hacks to promote 'Women in Tech', Robolgnitors, Tesseract, Games, Workshops, and many more.

The theme of Innervive'22 was “Multiverse”, to celebrate the technologies that never saw the light of the day, ideas that never came to fruition. Innervive'22 had a whole treasure trove of fun and learning events of various categories. There were mesmerizing participation/ events from all the departments of IGDTUW.

Innervive'22 conducted various online events such as Poster making, Web and App development, Graphic Designing, and Slogan Writing, for both college as well as school students on the theme “COVID-19” to spread awareness. Innervive Hacks and Data Hackathon were conducted to develop ideas into prototypes tackling real- life problems. Among other highlights, the Learn with Innervive initiative offered multiple webinars about latest technologies, competitive exams, career, and more. A Social Campaign “Cyber SeekCure” emphasizing the importance of following the netiquette and ensuring virtual safety was also conducted during Innervive'22. This campaign included series of workshops that were conducted to spread knowledge on how to combat cyber-crimes.

All in all, this two-day festival of technology became a big success loaded with fun and tech that went off and created unforgettable memories and indelible imprints for all who were a part of it.



Fourth International Conference – AIST 2022

After the Grand Success of International Conference on Artificial Intelligence and Speech Technology (AIST 2019, 2020 and 2021), Indira Gandhi Delhi Technical University for Women, Delhi is hosting its fourth version i.e., 4th International Conference on Artificial Intelligence and Speech Technology (AIST 2022) on December 09-10, 2022 at IGDTUW Campus, Delhi. Last three Conferences witnessed a number of Expert Researchers, Academicians and Industry Practitioners in AI and Speech Domain from premier Institutions

in India and abroad including Japan, Australia, France Germany, Hungary, Czech Republic, Myanmar, Uzbekistan, Austria, Vietnam and others.

All accepted and presented papers for the Conference by duly registered authors will be submitted to IEEE Xplore for Publication (IEEE Conference Record Number: 55798).



Internship Programmes (2022-2023)

Indira Gandhi Delhi Technical University for Women organized various Summer Internship programs for the meritorious students and aspirant entrepreneurs in Hybrid mode. It was the great opportunity for the students, faculty members, entrepreneurs, professionals, scholars to learn a new skill set along with hands-on on real time projects. Various domains were included during the internship including, Computer Vision and Deep Learning to Start-up Management. The Internship was open for beginners as well as experts. Python training for the beginners and computational intelligence for those who want the advance learning after basics. These internships were open for undergraduate/ post graduate/ research scholars' students, faculty members and budding entrepreneurs PAN India.

- Start-up Management
- Digital Marketing & Web Development
- Mapping of Heritage Resources through GIS
- Machine Learning and its application in Cyber Security
- Internet of Things (IoT): Fundamentals and Industry Based Real Time Applications
- CATAI-V5 Fundamental & Structure
- Data Analytics using Advanced Excel and R
- Python & Machine Learning
- Computer Vision & Deep Learning
- Computational Intelligence

IGNITE-The Annual Sports Meet



IGNITE is a pioneering force in the domain of all-women organised Sports Meets in Delhi. We at IGDUTW, believe that there is an unexplored niche when it comes to celebrations of sports and sportspersons, and female involvement in sports. The annual meet aims at providing a fair platform to women athletes to showcase their skills and approve the hard work. The event is graced by many achievers in the field of sports, as well as by teams from colleges across India.

SYNERGY successfully organised the third edition of the annual sport meet IGNITE'23 at the Jawaharlal Nehru Stadium, Delhi on February 17 & 18, 2023. From smashes in badminton to wittiness in chess and not to mention the speed in the athletics, around 30 participating colleges, and participants, over 200, all enthusiastically contributed in making the event a great success. It is a great joy to mention that very esteemed colleges such as IIT Delhi, Miranda House, NIFT New Delhi, Gargi College, Shyama Prasad Mukherjee College and many others showed a great sports' spirit. Various fun events such as push up challenge, flip tic tac toe, carrom, face painting and many more were also arranged that were open not only for the participants but the spectators too. This edition of Ignite encompassed the perseverance, dedication and talent of participants, judgement and entrustment of invited officials and overall the hard work and planning of IGDUTW in organising the meet.

JHILMIL - Diwali Festival



5th Annual Convocation



Indira Gandhi Delhi Technical University for Women, Delhi, held its fifth convocation ceremony on 3rd November 2022. The ceremony was marked open by the Lt. Governor, Shri Vinai Kumar Saxena, the Chancellor of the University. Dr. G Satheesh Reddy, Scientific Advisor to Raksha Mantri, Govt. of India, was the Chief Guest. Around 430 Undergraduates, 233 postgraduates, and 17 doctorates were awarded their degrees. 680 Graduates from the academic year 2021 -2022 were present in the convocation. Two Chancellor Gold Medals, 14 Vice-Chancellor Gold Medals to all the toppers of different courses, and 41 Exemplary Performance Silver Plaque were given to students across the years on this glorious occasion. The students who were conferred with the degrees are already working with various corporate and social sector organizations across the country, having completed the program.

4th Alumni and Industry Institute Networking Meet



Alumni Meet and Industry Institute Networking Meet" on 17th February 2023. With your long and enriched industry experience in the area of management and strategic policy maker, it would be our proud privilege to have your august presence in the 4th Alumni Meet and Industry Institute Networking Meet at IGDTUW.

RESEARCH & RESEARCH EXCELLENCE AWARDS

Research

The University is on a Mission to promote high quality Scientific Research with focus on Engineering, Technology, Science, Architecture & Planning, Management and Humanities. Research is of utmost importance for both the economic and social development of a nation. Indira Gandhi Delhi Technical University for Women has evolved to become a National flagship, Research-Led University with a mission to foster an environment for academic excellence and research excellence in advanced & emerging areas of Technology to meet the commentary needs of the Industry & Society at large.

The Major Thrust Areas of Research at The University Are:

- | | | |
|--|--|--|
| • Artificial Intelligence | • Data Communication Networks | • Analog Integrated Circuits |
| • Big Data Analytics | • Data Aggregation in wireless Sensor networks | • Evolutionary Algorithms |
| • Speech Translation Systems | • Cryptography | • Biomedical Engineering |
| • Web Technologies | • Cyber Security & Cyber Forensics | • Sensors |
| • Fuzzy Database Management | • Optical Communication | • Power Electronics |
| • Mobile Computing | • Digital Signal and Image Processing | • Machine Design Engineering |
| • Wireless Sensor Network | • VLSI Design | • Tribology |
| • Machine Learning | • Embedded System | • Composite Materials |
| • Internet of Things | • Medical Image Processing | • Robotics & Automation |
| • Algorithms Design | • Renewable Energy Resources | • Thermal Science and Engineering |
| • Information Security | • Microelectronics | • Green Manufacturing |
| • Secure Wireless Networks | • Radio Frequency Circuits | • Bio-composite materials |
| • Cloud Computing | • Mathematical Programming | • Polymers |
| • Business Intelligence | • Allocation Problems | • Atmospheric Sciences |
| • Nanomaterial Fabrication and Engineering | • Applied Optics | • Panoramic and 3-D Imaging |
| • Thin Film Technologies | | • English Literature Communication Studies |

In the recent past, IGDTUW has witnessed a greater focus on building research facilities & research temperament among students, scholars & faculty members. Many new laboratories have been added in various departments during this period. Faculty members are working on various research projects funded by DST, MHRD, MCIT, MeitY, DietY, etc. which have added value to their research and technology.

The University aims to improve overall research performance and promote research activities undertaken by the students of the University. To strengthen the research culture in the campus and encourage the students to pursue quality research work, various Incentive/ Schemes/ Financial Assistance Schemes have been launched by the University. To name a few:

- Financial Assistance to Full time Ph.D. Scholars of IGDTUW who are not in receipt of any kind of Financial Assistance from any other sources.
- Financial Assistance to NON-GATE M. Tech and M. Plan Students who are not in receipt of any other kind of Scholarship/Stipend etc. from any other sources.
- Research Awards/Incentive to UG/PG Students for Publication of Research Papers in SSCI/SCI/SCIE/Scopus/ESCI Indexed Journals.
- Financial support to the Faculty Members and Students for presenting Research Papers in National and International Conferences.
- IGDTUW incepted JRF/ SRF Schemes for Ph.D. Scholars.

Research Excellence Awards

“Remember to celebrate milestones as you prepare for the road ahead.”

IGDTUW introduced Research Excellence Awards, to support quality and innovative research and to recognize the achievements of the faculty and student researchers. The University offers four categories of awards annually to motivate the students, scholars and faculty members:

- Outstanding Research Awards with Cash Prize of Rs. 5,00,000/-
- Premier Research Awards with Cash Prize of Rs. 1,00,000/-
- Commendable Research Awards with Cash Prize of Rs. 50,000/-
- Motivational Research Awards with Cash Prize of Rs. 20,000/-

The primary goal of the Outstanding Research Awards is to recognize faculty who published papers in journals in the outstanding category. The aim of the Premier Research Awards is to recognize the faculty who published papers in reputed journals in the premier category with an impact factor of at least 1.0. The goal of the Commendable Research Awards is to recognize the faculty who published papers in reputed journals in the commendable category with an impact factor of at least two. The purpose of the Motivational Research awards is to recognize the faculty who published papers in reputed journals in the motivational category with an impact factor of at least 1.0. All the above-mentioned awards would include the category of journals published in SCI/SCI expanded/SSCI publications.

The Awards for Patents have also been introduced under two categories viz:

- Premier Patent Award Category for the grant of a US/UK patent worth Rs. 5,00,000/-
- Commendable Patent award category for the grant of an Indian patent worth Rs. 2,00,000/-

The first Research Excellence Award ceremony was held on December 24, 2021, and the Second Research Excellence Award ceremony was held on March 15, 2023.



INFRASTRUCTURE AND TRANSFORMING STUDENTS INTO LEADERS THROUGH METICULOUS PROGRAMS & CENTRAL FACILITIES

IGDTUW has a State-of-the-Art infrastructure comprising of modern well-equipped Labs, fully Wi-Fi enabled campus, Computer Centre, fully Automated Library, Auditorium, Multi-purpose Hall, Conference Room, Seminar Room, Hostels, Sports & Recreational Facilities, etc.

IT Services

IGDTUW Campus is recently upgraded its IT Infrastructure through high-end intelligent CISCO switches, and possesses round the clock 1 Gbps NKN leased line and a 50 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 fiber connectivity. Around 550 Computers, 85 Printers etc are connected with Local area network which is being managed and maintained by Planning and Development Division.

IGDTUW campus is a fully Wi-Fi campus, all areas of campus are covered with Outdoor and Indoor wireless access points which are working 24x7 for providing seamless wireless internet connectivity to users through Security Firewall with authentication of every user in campus.

Computer Centre

The University has a centralized computing facility housed in the 'Computer Centre', which is equipped with high end configured computer systems. Each computer (HP 8100 Elite SFF and 8300 Elite SFF series) runs Intel Core i5-650 3.2 GHz processor aptly supported with a minimum 16GB RAM and hard disk space of 320 GB. The hardware is configured to operate in a dual boot mode providing support for the two broad classes of operating systems namely Windows 7 Professional Edition and Linux based Ubuntu-12.04, 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 in the University campus. The hostels provide a safe, secure and clean environment for the students to grow, learn and mature in the society away from their own homes. 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 Basket Ball, Badminton and skating. An 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.

Learning Resource Centre

Learning Resource Centre (LRC) 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. Services provided by LRC are as below:

A Book bank facility is offered to all the students who are enrolled in any of the programs offered at the university campus.

All these journals are available online to the members of the LRC in campus LAN. The Digital Library section has e-materials like CDs, DVDs and digital thesis of final year students and is available through Open Source Institution Repository Software with in the campus premises. 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.

Medical Facility

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's, physical screening tools and first aid facility. A team of one registered medical practitioner along with one registered nurse is available from 09:00 am to 05:00 pm.

Bank Facility

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.

PH.D. WINTER SESSION ADMISSIONS AY: 2023-24

IGDTUW offers admission to female candidates in the Ph.D. program twice in an academic year (July and December) commencing every year. Presently Ph.D. Program is run in Computer Science Engineering, Information Technology, Artificial Intelligence & Data Science, Electronics and Communication Engineering, Electrical Engineering, Mechanical and Automation Engineering, Architecture and Planning, Management and disciplines of Mathematics, Physics, Chemistry and English in Applied Sciences. Research is also carried out in various interdisciplinary fields like AI, ML, Neural Networks, Biomedical applications Nanotechnology and Environmental Sciences, etc.

Ph.D. Programs offered by University are as follows:-

- A. Regular Ph.D. Program after UG and PG Degrees**
- B. Direct Ph.D. Program (Full Time) after 4-years Bachelor's degree/1- year Master's Degree**

To enable and nurture relevant research endeavors 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.

A. Guidelines for Admission to Regular Ph.D. Program (after UG and PG Degrees) 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.
- 5) **For Architecture and Planning:** Master's degree of a recognized institution or university in various specialization of Architecture or Planning or allied subject with 55% marks (50% for reserved categories) or equivalent grade. OR bachelor's degree of a recognized institution or university in Architecture or Planning with 75% marks (70% for reserved categories) or equivalent grade, along with the professional/research experience for a minimum period of five years after obtaining the bachelor's degree.

6) **For Management:** Master's degree in Management/Engineering/Technology/Commerce/Economics and other behavioral Sciences and allied relevant disciplines, or equivalent, with a minimum 55% marks in aggregate or equivalent CGPA. Diploma courses considered equivalent to Master degree recognized by AICTE/UGC only shall be considered in determining the eligibility. In such cases candidates would be required to produce the necessary certificate(s) from the Competent Authority.

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

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.

A. Guidelines for Admission to Direct Ph.D. Program (Full Time) after 4-years Bachelor's degree/1-year Master's Degree

Admission Eligibility:

1. The candidates who have completed their final year (eighth semester) of their Bachelor's degree program (or result awaited) and have a minimum CGPA of 7.5/10 or equivalent percentage shall be eligible to apply for direct Ph.D. admission. Please refer to the eligibility criteria given in Table- I below.
2. For admission after 1st year/2-semester Master's degree program (after a 4-year undergraduate degree) candidate must have at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 10-point scale (or an equivalent grade in a point scale wherever grading system is followed) in Master's program in relevant discipline. Also, the candidate should have secured at least 60% marks in aggregate or equivalent CGPA in Bachelor's Degree.
3. SC/ST/OBC (non-creamy layer)/EWS/Differently Abled applicants shall be given a relaxation of 0.5 score i.e; CGPA of 7/10 or an equivalent relaxation of grade in minimum eligibility marks.
4. Candidate must have minimum 01 Scopus conference/journal publication (published/accepted).

Table-I: Eligibility criteria for Admission to Direct Ph.D. Program after 4-years Bachelor's degree

S.No.	Name of the Course	Minimum Eligibility
1.	Ph.D. CSE/ Artificial Intelligence & Data Science	Minimum CGPA of 7.5/10 or equivalent percentage in the qualifying exam as under: B.Tech/B.E. Degree in Computer Science/Computer Engineering/ Computer Science & Engineering/Information Technology/Electronics & Communication Engineering/Software Engineering or equivalent from a recognized University.
2.	Ph.D. IT	Minimum CGPA of 7.5/10 or equivalent percentage in the qualifying exam as under: B.Tech/B.E. Degree in Computer Science/Computer Engineering/ Computer Science & Engineering/Information technology/Electronics & Communication Engineering/Software Engineering/Electrical Engineering/Electronics & Instrumentation Engineering/Electronics & Telecommunication Engineering/Computer Science Engineering/Information Technology/Information Science Engineering or equivalent from a recognized University
3.	Ph.D. ECE Ph.D. Electrical Engg.	Minimum CGPA of 7.5/10 or equivalent percentage in the qualifying exam as under: B.Tech/B.E. Degree in Electronics & Communication Engineering/Electrical Engineering/Electronics & Instrumentation Engineering/Electronics & Telecommunication Engineering/Computer Science Engineering/Information Technology/Information Science Engineering or equivalent from a recognized University.

II. Shortlisting and Selection Procedure

- (i) Admission to the Direct Ph.D. Program will be done on the basis of Research Aptitude Test (RAT) Examination or an interview or both.
- (ii) Candidates with valid GATE score or other qualified equivalent National Exam will be exempted from RAT.
- (iii) The RAT Examination shall be cleared with qualifying marks as 50%. A relaxation of 5% marks (from 50% to 45%) shall be allowed for SC/ST/OBC/EWS/Differently abled category in the RAT Exam.
- (iv) The interview for selection of the candidates shall be conducted Department-wise by Selection Committees. Weightage shall be given to the following: -
 - Prior background in research with skill certification courses, assistantships done, industry experience, technical skills and research projects undertaken in the relevant [branchdone at Bachelor's/Master's Program \(as applicable\)](#)
 - Exceptional interest in research with prior publications (SCI/SCIE/SSCI/Scopus indexed), conference presentations, or other academic/administrative work.

- Candidates having memberships of national/international Technical Societies (IEEE, CSI, ASME, ACM etc.)
- Letter(s) of Recommendation from Faculty advisors/Mentors during Bachelor's/ Master's Program (as applicable) would be desirable.

III. Reservation Policy:

Reservation of seats for Scheduled Caste, Scheduled Tribe, Other Backward Classes (Non-Creamy Layer), EWS and Differently Abled candidates will be as per government rules.

IV. Financial Assistance:

The Research Scholars shall be eligible for a stipend of Rs. 10,000/- per month after completion of course work and gaining the credits as per point no. V. However, GATE qualified candidates would be eligible for the stipend as per the MHRD guidelines.

Selection of JRF: The University may provide financial assistance to few deserving Research Scholars and appoint them as Junior Research Fellow (JRF). Scholar shall be eligible for the fellowship after completion of course work (including the credits gained as per point no. V) with CGPA ≥ 7.5 , attendance $\geq 75\%$ and successful approval of the Research Plan in the DRC.

V. Coursework Credits Requirement:

- Students who will register for Ph.D. directly after a four-year Bachelor's Program will be pursuing M.Tech. 1st Year courses in the relevant branch at IGDTUW. The 46 credits earned will be equivalent to the Ph.D. Course work.
- Students who will register for Ph.D. directly after 1st year Master's degree program will have to undertake courses (compulsory/guide directed as required related to their broad research area) to gain total 46 credits as per Table-II (point VIII), to fulfill the academic requirements for obtaining M.Tech. degree.

VI. Award of M.Tech. Degree:

A student admitted in Ph.D. program after a 4-years Bachelor's degree/1st year Master's Degree can obtain an M.Tech. degree “in-between” as per NEP 2020, provided she completes the academic requirements for the same as given in Section VIII below. However, if the student who has taken admission directly after B.Tech., wishes to exit before minimum duration for award of M.Tech. degree, can do so after completion of course work credit requirement as per point no. V to obtain PG Diploma degree.

VII. Availing Exit Option in Direct Ph.D.

A Ph.D. student registered for the Direct Ph.D. Program may be allowed to exit from Direct Ph.D. Program on the recommendation of DRC and with the approval of the Competent Authority. Since this is a change of program to a lower degree, the student should satisfy the eligibility criteria of minimum credits earned for availing exit options and obtaining M.Tech./PG Diploma degrees given in Section VIII below. However, the option of obtaining PG Diploma degree is applicable only when the student is exiting from the PhD program without completing the requirements to obtain an M.Tech degree. If the Ph.D. student after obtaining M.Tech. wishes to leave the University without completing her Ph.D., she will be considered as having changed her program from Ph.D. to M.Tech. and will have to compensate by paying the difference between the Ph.D. and M.Tech fee to the University.

VIII. Academic Requirements for obtaining M.Tech. degree during Direct Ph.D. Program

- a) The following table-I lists the minimum duration and maximum duration allowed in the Direct Ph.D. Program along with credit requirements for getting an M.Tech. degree “in-between”:

Table-II

Program	Minimum Total Credits for award of M.Tech/ PG Diploma	Total Credits earned through Course Work plus transferred credits, if any (Minimum)	Credits Through Research (Minimum)	Minimum duration for award of M.Tech./ PG Diploma
Direct Ph.D. (students with 4 years/8- semesters B.Tech.)	81	46 (credits gained from M.Tech. first year courses)	35	Four semesters for M.Tech.
	46	46	-	Two semesters for PG Diploma
Direct Ph.D. (students with 1st-year/2- semesters M.Tech.)	81	46* (including the credits availed in M.Tech. 1st year)	35	Two semesters

**Credits transferred from the Institute from where the student has pursued M.Tech 1st year-The time span between completion of M.Tech. 1st year and when the student has applied for the award of M.Tech degree or availing exit option should not be more than three years. The student may take extension of 3-6 months at a time with DRC approval for earning the pending credits. Further extension may be granted in special cases.*

b) The evaluation and assessment of credits through research (35 credits) shall be based on the existing CBCS-M.Tech. Scheme with research project track.

IGDTUW-Junior Research Fellow (IGDTUW-JRF)

University may provide financial assistance as Junior Research Fellow (JRF) / Senior Research Fellow (SRF) to few Full Time Research Scholars registered in the Ph.D. Programme. The JRFs/SRFs shall be distributed on the basis of need across all departments.

Fellowship Eligibility and Selection Procedure for Junior Research Fellow (JRF):

- A student who satisfies the Minimum Eligibility requirement as per the Ph.D. Regulation R 1.2.3 of IGDTUW and has been duly recommended by the Selection Committee to be appointed as Junior Research Fellow (JRF). Student shall be eligible for the fellowship after completion of course work with $CGPA \geq 8.00$ and successful approval of Research Plan in the DRC.
- A student who is a continuing Full-Time Research Scholar at IGDTUW and fulfills the Minimum Eligibility requirement of JRF at a later stage (vacancy created due to thesis submission of existing JRF/withdrawal cases etc.) is eligible for award of JRF provided DRC finds her Research Progress satisfactory and recommends her case for award of JRF.

Table-II

Program	Minimum Total Credits for award of M.Tech/ PG Diploma	Total Credits earned through Course Work plus transferred credits, if any (Minimum)	Credits Through Research (Minimum)	Minimum duration for award of M.Tech./ PG Diploma
Direct Ph.D. (students with 4 years/8- semesters B.Tech.)	81	46 (credits gained from M.Tech. first year courses)	35	Four semesters for M.Tech.
	46	46	-	Two semesters for PG Diploma
Direct Ph.D. (students with 1st-year/2- semesters M.Tech.)	81	46* (including the credits availed in M.Tech. 1st year)	35	Two semesters

**Credits transferred from the Institute from where the student has pursued M.Tech 1st year-The time span between completion of M.Tech. 1st year and when the student has applied for the award of M.Tech degree or availing exit option should not be more than three years. The student may take extension of 3-6 months at a time with DRC approval for earning the pending credits. Further extension may be granted in special cases.*

a) The evaluation and assessment of credits through research (35 credits) shall be based on the existing CBCS-M.Tech. Scheme with research project track.

IGDTUW-Junior Research Fellow (IGDTUW-JRF)

University may provide financial assistance as Junior Research Fellow (JRF) / Senior Research Fellow (SRF) to few Full Time Research Scholars registered in the Ph.D. Programme. The JRFs/SRFs shall be distributed on the basis of need across all departments.

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- A student who is a continuing Full-Time Research Scholar at IGDTUW and fulfills the Minimum Eligibility requirement of JRF at a later stage (vacancy created due to thesis submission of existing JRF/withdrawal cases etc.) is eligible for award of JRF provided DRC finds her Research Progress satisfactory and recommends her case for award of JRF.

iii. Student shall be evaluated for total 100 Marks out of which 50 Marks shall be based on points claimed by the student based on her performance, and further scrutinized by DRC (based on supporting documents) as per IGDTUW guidelines and the rest 50 marks shall be awarded during the interview.

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

Department	Research Areas	*Tentative Seats for FT/PT
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, Machine learning, Deep learning, soft computing, social media analytics, intelligent computing, big data analytics, social and semantic web.	15
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, IOT, Drone and AI: IoT Smart Board Design and Testing, Drone Design and Testing, AI Applications. Semiconductor Devices and Circuits: VLSI Design, Digital System Design, Flexible Electronics, Devices & Circuits Modeling and Simulation, AI, Speech Technology, Data Mining, Machine Learning, Wireless Sensor Network, IoT, Wireless Sensor Network, Network Security, Internet of Things Communication Protocols, Cloud and Fog Computing, Image and Video Processing, Language Processing, Data Analytics	15

Department	Research Areas	*Tentative Seats for FT/PT
Artificial Intelligence & Data Sciences	Artificial Intelligence, Machine Learning, Data Analytics, Speech Technology, Image and Video Processing, Language Processing, Data Analytics, Computer Vision, Medical Image Analysis, Evolutionary Algorithms	06
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.	14
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, Composite Materials, Industrial Engineering and Project Management. Biomaterials, Biomedical Devices, Polymers, Polymer Processing, Composites and Scaffolds, Industrial Engineering, Manufacturing Automation, green Manufacturing and Supply Chain, Energy and Environment, Circular Economy and Industry 4.0	20
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, Applied Optics, Laser Beam Propagation Through Turbulence, English Literature, Communication Studies	Physics: 04 Chemistry: 09 English: 02 Mathematics: 03

Department	Research Areas	*Tentative Seats for FT/PT
Department of Architecture and Planning	<p>Urban Planning: Infrastructure Planning, Sustainable Planning, Governance, Gender sensitive planning, Inclusive planning, Smart cities</p> <p>Architecture: Architectural Pedagogy, Digital architecture, Sustainable architecture, Intelligent Buildings, Gender specific Architecture</p>	08
Department of Management	Supply Chain Management, Green SCM, Operation Management, TQM/TPM/JIT, Quality Management, Artificial Intelligence & Machine Learning, Financial Management & Modeling, Marketing Management, Retail Management, Green Marketing, Circular Economy & Industry 4.0, Green HRM Practices, Sustainable Finance	04
	Total	100

***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. Program 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/AI & DS
- c. Mechanical & Automation Engineering
- d. Chemistry
- e. Physics
- f. English
- g. Electrical Engineering (under the Department of Electronics and Communication Engineering)
- h. Architecture and Planning
- i. Management
- j. Mathematics

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. Program 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-

1) **A stipend of Rs 10,000/- per month will be given to all Full-time Research Scholars for a maximum period of five years or till completion of their Ph.D., whichever is less. The Research Scholars would also assist in Academic/Administrative works in their respective Departments apart from their Research work**

Please refer

<https://www.igdtuw.ac.in/pdfs/Guidelines%20for%20Financial%20assistance%20to%20Full%20Time%20PhD%20scholars.pdf> for more details.

2) The University may provide financial assistance to few Full-Time Research Scholars with good teaching skills and appoint them as Junior Research Fellow (JRF) / Senior Research Fellow (SRF) as per UGC norms.

- These fellowships shall be distributed on the basis of need across all departments by Dean (R&C) in consultation with the Vice Chancellor.
- The Terms and Conditions of the fellowship may be amended from time to time.
- All provisions of the prevailing Ph.D. Ordinance of the University shall be applicable on the JRF/SRF and allocated Supervisor(s).

Fellowship Amount :

S.No.	IGDTUW Fellowship for Program Ph.D.	Fellowship (Per Month)
1.	*IGDTUW-Junior Research (JRF) Fellow	Rs. 31,000/- + HRA
2.	Full Time Ph.D. Scholars	Rs. 10,000/-

* The Terms & Conditions for IGDTUW-JRF are available on the University website.

1) In our University to boost the research aspects and promote good quality research papers for publication in reputed Journals, cash awards are given to the researchers in the recognition of importance of their published research work and to motivate individual excellence in research. The award is granted for the Journal papers published in Science Citation Index (SCI) or SCI expanded or SCOPUS.

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. Program:

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

S.No.	Category	Percentage of Reservation	Remarks
1.	Scheduled Caste (SC)	15 %	
2.	Scheduled Tribes (ST)	7.5 %	
3.	Other Backward Class Non-Creamy Layer (OBC-NCL)	27 %	
4.	Economically Weaker Section (EWS)	10 %	
5.	Differently Abled Person (PD) Sub-Category	5 %	In each category General, EWS, SC, ST and OBC-NCL

Seat Matrix for Ph.D. (Full Time/Part-Time)

**Tentative seat matrix for the Ph.D. Program Admissions for the Winter Session of
AY: 2023-24**

Program	*Tentative Vacant seats for FT/PT	Gen	SC	ST	OBC (NCL)	EWS
Ph.D. (CSE)	15	07	02	01	04	01
Ph.D. (IT) Ph.D. (Computer Applications) Ph.D. (AI&DS)	21	08	03	02	06	02
Ph.D. (ECE) Ph.D. (Electrical Engineering)	14	06	02	01	04	01
Ph.D. (MAE)	20	08	03	02	05	02
Ph.D. (Physics)	04	02	01	00	01	00
Ph.D. (Chemistry)	09	05	01	01	02	00
Ph.D. (Maths)	03	02	00	00	01	00
Ph.D. (English)	02	01	00	00	01	00
Ph.D. (Architecture & Planning)	08	04	01	01	02	00
Ph.D. (Management)	04	02	01	00	01	00
Total	100	45	14	08	27	06

***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. 5% Seats for Differently Abled Person (PD) sub-category are reserved across all categories and will be allotted as per applicability of the candidate.**

HOW TO APPLY

Important Guidelines for filling 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's 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 2023 (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)
9	No Objection Certificate (NOC) from the current employer (PDF) (Only for Part-Time Ph.D. Applicants)
10	Scanned coloured photograph (only in JPEG, PNG)
11	Digital/scanned copy of signature (only in JPEG, PNG)
12	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)

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 INSTRUCTIONS 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.
Please follow the Formats given in “Recent Notices” section for different certificates (as applicable). Applicants should upload Annexure E/Annexure F/Annexure G (whichever is applicable) in absence of any essential document.
(whichever is applicable) in absence of any essential document.
8. Description of all the Annexures is enlisted below:
 1. **Annexure A- Kashmiri Migrant**
 2. **Annexure B- Defence Category**
 3. **Annexure C -EWS**
 4. **Annexure D- Certificate for PD**
 5. **Annexure E: Certificate from candidates who are appearing in final semester/year examination of qualifying degree**
 6. **Annexure F: Self-declaration/undertaking by required from applicants who have not submitted the latest OBC-NCL caste certificate issues after 31st March, 2021**
 7. **Annexure G : Self-declaration/undertaking required from applicants who have not submitted any of the essential document(s)**
 8. **Annexure H : Medical fitness certificate**
 9. **Annexure I : Format for Employer’s No Objection Certificate**
 10. **Annexure J : Form for withdrawal of admission**

FORMATS OF DIFFERENT CERTIFICATES

(Annexure - 'A' to Annexure - 'J')

Annexure "A"

Certificate in Respect of Kashmiri Migrant (KM)

CERTIFICATE FOR AVAILING ADMISSION AGAINST KASHMIRI MIGRANT QUOTA

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

It is also certified that 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 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 Miss _____
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)

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

NO _____
(Round stamp of office)

RSB SECRETARY
(Zila/Rajya Sainik Board)

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 _____

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.

Recent Passport
size attested
photograph of the
applicant

Annexure "D"

CERTIFICATE FOR PERSON WITH DISABILITY

To be issued by Medical Board from Government Hospital

Name of the candidate: Ms. _____

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.

Recent
Passport size
attested
photograph
of the
applicant

Principal Medical Officer

Date: _____

Seal of Office

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

NOTE:

Candidate having temporary or progressive handicap will not be considered against these seats.

Annexure "E"

CERTIFICATE FOR APPEARING IN FINAL SEMESTER/YEAR EXAMINATION

(Required from candidates who are yet to appear in the qualifying examination)

In _____ connection with _____ the _____ application _____ of

Ms. _____ for admission to PG/Ph.D.

programmes at Indira Gandhi Delhi Technical University for Women, Delhi, Hereby

certify that she is a bonafide student of our institution. She is yet to complete the

requirements of qualifying examination including Theory, practical project examination

and back paper (s)/supplementary(ies) for B.E/B.Tech/B.Arch./M.Sc./Others

_____ which is to be scheduled later (Strike out the non-

Applicable ones and write in the blank space if the degree is not mentioned).The

percentage of aggregate marks/CGPA obtained by her up to pre-final year/semester

is _____. Her conduct and character during her stay at the University

has been " GOOD "

Place : _____

Date: _____

**Signature if the Principal/Dean/Registrar
Dy. Registrar/Proctor/Administrative Office**

UNDERTAKING BY THE CANDIDATE REGISTERED WITHOUT PRODUCTION OF PROOF OF PASSING THE QUALIFYING EXAMINATION/APPEARED IN THE BACKPAPER(S) /SUPPLEMENTART(IES) TILL DATE OF REGISTRATION

I _____

daughter/ward of Ms. _____ hereby give an

undertaking that I have appeared in all the examination including

practical(s)/project/backpapers/ supplementary(ies) before the date of registration

and only the result is awaited which is likely to be declared by _____.

Place:

Date:

Signature of Student

Name of Student: _____

Address: _____

Contact no: _____

Annexure "F"

SELF-DECLARATION/UNDERTAKING BY STUDENT

(Required from candidates who are have not submitted latest OBC-NCL caste certificate)

I, Ms. _____ D/o: _____
 Application Reference No _____ Mobile No: _____
 _____ applied for PG/Ph.D. Course

 Session _____ Year _____ of Indira Gandhi Technical
 University for Women, Kashmere Gate, Delhi-110006 do hereby undertake the
 following:

1. I, hereby, declare that, the entries made by me in the Application Form for availing reservation in OBC-NCL category are complete and true to the best of my knowledge and based on records.
2. I, hereby, undertake to present the original documents immediately upon demand by the concerned authorities of the University.
3. I acknowledge that, the Indira Gandhi Technical University for Women has the authority for taking punitive actions against me for violation and/or non-compliance of the same.
4. I, further declare that, my admission may be cancelled, at any stage, if I am found ineligible and/or the information provided by me are found to be incorrect.

Place: _____

Date: _____

Signature of Student

DECLARATION BY PARENT/ GUARDIAN

I _____ (Mother / Father / Guardian)
 hereby fully endorse the above undertaking/declaration given by my child/ward. And
 I will endeavour to induce my child/ward to do her best to observe the above stated
 undertaking in words and spirit.

Place: _____

Date: _____

Signature of Mother / Father / Local Guardian

Annexure "G"

SELF-DECLARATION/UNDERTAKING BY STUDENT

(Required from candidates who have not submitted any of the Essential document(s))

I, Ms. _____ D/o: _____
 Application Reference No _____ Mobile No: _____ applied
 for PG/Ph.D. Course _____ for
 Session _____ Year _____ of Indira Gandhi Technical University
 for Women, Kashmere Gate, Delhi-110006 do hereby state that I haven't submitted the
 following essential document(s) needed to be uploaded on IGDTUW Admission Portal (**Place
 a tick mark on the items you haven't submitted**) :

<input checked="" type="checkbox"/>	Name of the Essential Document
	Date of Birth Certificate or the High School (class X) Certificate with Date of Birth
	Class XII or equivalent marksheet.
	Consolidated Marksheet (for Graduation Degree) (scanned both sides) OR Marksheet of all the years/semesters for Graduation Degree, for result awaited candidates (scanned both sides)
	Consolidated Marksheet for Post-Graduation Degree (If applicable)(scanned both sides) OR Marksheet of all the years/semesters for Post-Graduation Degree (If applicable) , for result awaited candidates (scanned both sides)
	GATE score card / JRF / NET CERTIFICATE (if applicable)
	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 2021.
	ID. proof Aadhar Card/Driving License/Voter ID/Pan Card
	Work Experience Certificate for Part-Time Applicants (Only for Ph.D. Applicants)
	No Objection Certificate (NOC) from the current employer (Only for Part-Time Ph.D Applicants)
	CoA (Council of Architecture) registration certificate of CoA Approved program (in case of B.Arch.) Temporary Registration number from COA. (Only for M. Plan.)
	NIMCET scorecard (if applicable) only for MCA Applicants (scanned on both sides)
	Proof of CGPA conversion to Percentage (if applicable)

Place: _____

Date: _____

Signature of Student

Annexure "H"

Medical Fitness Certificate

(To be signed by a registered medical practitioner holding a Medical Degree)

The certificate must be from the Medical Officer or any rank above it from any Central/State Government Hospital/Dispensary/Medical College must be brought by the candidate at the time of admission/as mentioned in IGDTUW Admission 2021-22 instructions.

Photograph
(To be attested by
Doctor signing the
certificate)

I certify that I have carefully examined Ms. _____ daughter of Shri _____ whose signature is given below. Based on the examination, I certify that she is in good mental and physical health and is free from any physical defects which may interfere with his/her studies including the active outdoor duties required of a professional.

Marks of Identification _____

Signature of the Candidate _____

Place:

Date:

Name & signature of the Medical
Officer with seal and registration
number

ANNEXURE “I”

FORMAT FOR EMPLOYER’S NO OBJECTION CERTIFICATE

(To be issued on the Letter Head of the current Employer)

This is to certify that Ms. _____
D/O _____ working _____ as
_____ in the department of
_____ from
_____ to _____ is an
employee of our Department/Organization. Her total work experience is
_____ Years and _____ Months. We have no
objection to her joining in Ph.D (Part-Time) Degree Program at IGDTUW. She
will be relieved from her duties as per the requirements of her Degree Program.

Signature

(Head of Institution)

ANNEXURE "J"**FORM FOR WITHDRAWAL OF ADMISSION**

- 1) Branch & Department _____
- 2) Name of the Candidate _____
- 3) Parent's/ Guardian Name _____
- 4) Communication Address _____
- _____
- 5) Telephone _____ Mobile _____
- 6) Email Address _____
- 8) Category / Sub Category _____

Bank Account Details

Name of the Bank Account Holder _____

(in favour of whom Bank Transfer is to be made)

Relationship of the Bank Account Holder with the Candidate _____

Ban Details of above person to be furnished in the given format :

Name of the Bank	Address of the Bank	Complete Bank Account No.	IFSC CODE of the Bank

UNDERTAKING

We understand and know the refund rules of the University and agree to abide by the same and we further understand that the refund would be made in due course of time through bank transfer only as per above request.

(Signature of Parents/Guardian)

Date : _____

(Signature of Student)

HELPDESK

For any technical query, please email: technicalsupport@igdtuw.ac.in

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

Admission Officer (PG and Ph.D. Courses),
HOD (IT Department),
IGDTUW, Kashmere Gate,
New Delhi –110006.
[Email ID: pgphdadmissionofficer@igdtuw.ac.in](mailto:pgphdadmissionofficer@igdtuw.ac.in)

Dr. Richa Yadav
Ph.D. Admission Coordinator
[Email ID: phdadmissions@igdtuw.ac.in](mailto:phdadmissions@igdtuw.ac.in)

For more details, please refer FAQs on Admission Portal.

NOTE:

- (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

DISCLAIMER: 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. All possible care has been taken to compile the information correctly in the Brochure. However, in case of any inadvertent errors/displacements, the official version of the University and Government Authorities shall be final.



INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

An ISO 9001:2015 Certified University

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Website : www.igdtuw.ac.in