



# IGDTUW

## 4<sup>th</sup> ANNUAL REPORT

### 4वाँ वार्षिक प्रतिवेदन

January 2020 - December 2020  
जनवरी 2020—दिसम्बर 2020



**Motto: Women Education, Women Enlightenment, Women Empowerment**

**इन्दिरा गांधी दिल्ली प्रौद्योगिकी महिला विश्वविद्यालय**

**INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN**

**Kashmere Gate, Delhi-110006**



MADARSA ROAD

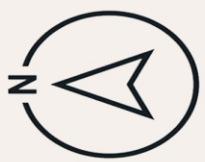
MADARSA ROAD

MAIN ENTRANCE

MADARSA ROAD

LOTHIAN ROAD

TO ISBT KASHMERE GATE



AMBEDKAR UNIVERSITY



ADMINISTRATION BLOCK  
OPEN TO SKY  
DEPT. OF ARCHITECTURE & PLANNING

DEPT. OF MECHANICAL AND AUTOMATION ENGINEERING

CENTRAL LAWN

ACADEMIC BRANCH

COMPUTER LAB

EXAMINATION BRANCH

SHOP

CANTEEN

DEPT. OF APPLIED SCIENCES & HUMANITIES

DEPT. OF INFORMATION TECHNOLOGY

DEPT. OF ELECTRONIC AND COMMUNICATION ENGINEERING  
OPEN TO SKY

SOCIAL SCIENCE BLOCK

AUDITORIUM

PARKING

KAVERI GIRLS HOSTEL

CRECHE

TUCK SHOP

OPEN TO SKY

KRISHNA GIRLS HOSTEL

ANVESHAN FOUNDATION

NCC BLOCK

NCC BLOCK

MASTER PLAN INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

LOCATION MAP

IGDTUW CAMPUS, MADARSA ROAD OPPOSITE ST. JAMES CHURCH KASHMERE GATE DELHI-110006

SCALE : 1:500



इन्दिरा गांधी दिल्ली प्रौद्योगिकी महिला विश्वविद्यालय  
**Indira Gandhi Delhi Technical University For Women**

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# IGDTUW

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## OUR VISIONARY LEADERS

### HON'BLE CHANCELLORS

**SHRI TEJENDRA KHANNA**

July, 2012 to July, 2013



**SHRI NAJEEB JUNG**

July, 2013 to Dec, 2016



**SHRI ANIL BAIJAL**

Dec, 2016 to Till Date



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### VICE CHANCELLORS



**Prof. (Dr.) Nupur Prakash**  
Vice Chancellor, IGDTUW  
May 2013 To April 2018




**Dr. (Mrs.) Amita Dev**  
Vice Chancellor, IGDTUW  
May 2018 To July 2019 (Offg.)  
July 2019 To Till Date



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# ABOUT UNIVERSITY

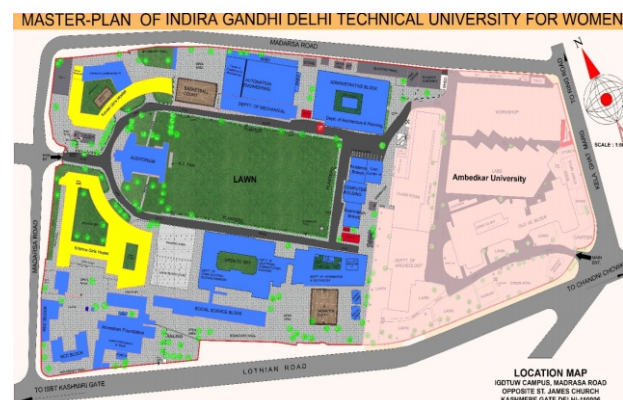


Indira Gandhi Delhi Technical University for Women (IGDTUW) was established in May 2013 vide Delhi State Legislature Act 9, 2012. The University fosters an environment for excellence in professional education and ensures active participation of women in the field of Engineering, Science, Management and Architecture, while striking out a work-life balance. The University is committed to make the student's educational experience multifaceted and holistic.

IGDTUW functions efficiently as a Teaching & Learning, Research-Oriented Centre in various branches of Science, Engineering, Technology, Architecture and Management promoting advancement and dissemination of research led knowledge among women from all over the country. The strategic intent 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.

The University is committed about developing Sustainable Systems and State-of-the-Art infrastructure to empower the women to become future Leaders, Managers, Researchers, and Productive Team Players in the field of Science, Engineering, Technology, Architecture and Management.





## VISION

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

## MISSION

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





## CORE VALUES

- **Quality Education:** Promoting quality education through modern learning technologies and delivery models while pursuing the UGC quality mandate parameters.
- **Holistic Approach:** The University education process imbibes a holistic education approach commensurate with social, cultural, economic, and environmental realities.
- **Excellence** – Continuously delivering outstanding quality in all areas of Performance by fostering intellectual growth.
- **Innovation** - Having an unending quest for discovering new ideas in all areas of Performance, enriched by diversity in thoughts, actions and leadership.
- **Global Competencies-** Preparing students to achieve core competencies to face global challenges successfully.
- **Equality** - Involving all cross-sections of society by providing equal opportunity to all in pursuit of higher education, job and other activities.
- **Good Governance-** Following good governance principles being accountable, transparent, responsive, effective and efficient, equitable and inclusive, rule of law, participating and consensus-oriented in the process of making and implementing decisions.
- **Sustainability** – Having concern for nature, environment and resource utilization for a long-lasting, safe and better future.
- **Respect-** Respect moves us to understand the unique contributions of every person in the University community and to value diverse perspectives, including compassion, Service, commitment, Integrity, Diversity and Learning for Life.

## OBJECTIVES

- To evolve and impart comprehensive professional education with focus on but not restrict to Engineering, Technology, Sciences, Management and such areas as deemed fit.
- To facilitate and promote studies leading to award of degrees, diplomas and certificates.
- To achieve excellence in Engineering, Technology, Sciences, Management and allied areas and matters connected therewith or incidental thereto.
- To establish centres of advanced studies, research and innovation in various relevant areas of Sciences, Engineering, Technology, Management and allied areas.
- To promote development of products, services and entrepreneurship.
- To be industry relevant and to create an impact on the academic community in India and abroad.
- To establish linkages between the University, Industries, Research and Development Organizations and other Universities/Institutes for collaborative (including dual degree) teaching and research programmes in India and abroad.
- To promote global interaction through faculty and student exchange in the areas of Science, Engineering, Technology, Management and other allied areas as deemed fit.
- To set up innovation centres, knowledge Park and Technology incubators to foster Techno-entrepreneurship, innovation and new product development.

- To disseminate knowledge and contribute towards nation building and faculty development by organizing expert lectures, seminars, symposia, workshops, conferences, summer and winter schools, short term training programs and refresher courses from time to time.
- To promote and foster cultural and ethical values with a view to promote and foster professional morality, research integrity, globally acceptable business ethics and morals for professionals.
- To publish periodicals, treatises, studies, books, reports, journals and other literatures on subjects pertinent to academic areas of the university, including electronics resources
- To undertake study, training projects and technology transfer programmes relating to Science, Engineering, Technology and Management.
- To do all such things as are incidental, necessary or conducive to the attainment of all or any of the objectives of the University.

## QUALITY POLICY

**We at Indira Gandhi Delhi Technical University for Women are committed to achieve the highest standards in Technical Education, Research, Consultancy, Incubation and Innovation in order to produce women leaders in Engineering, Technology, Science, Management, Architecture & other allied areas. We shall achieve this through -**

- Assessing the needs of interested parties and strive to exceed their expectations.
- Develop and deliver courses to meet the contemporary needs of the industry.
- Carrying out multidisciplinary research programs and projects that are distinctive and relevant to technological, social, and environmental needs.
- Adoption of constructive mechanisms for building strong academic teams and enhancing links between University, research institutions and the industry. Mentoring and supporting the development of start-ups by providing them advisory and administrative support services.
- Periodic monitoring and assessment of our services and continual improvement of the performance of our facilities, personnel, processes and systems.
- Adhering to the applicable laws and regulations.

## QUALITY OBJECTIVES

- To provide Intellectual and ethical environment where skill & spirit can thrive and provide state of art education along with social, cultural and human values.
- To implement outcome-based education, quality mandate and holistic concerns towards implementation of the New Education Policy (NEP).
- To create an environment of collaboration & enhance Industry Institute Interface.
- To foster an ecosystem for incubation, innovation, product development, transfers of technology & entrepreneurship.
- To develop Centre of Excellence in emerging areas of Science, Engineering & Technology, Management, Architecture and other allied areas.
- To develop human values with analytical ability, ethics and integrity.
- Creation of congenial and conducive student-centric work environment.

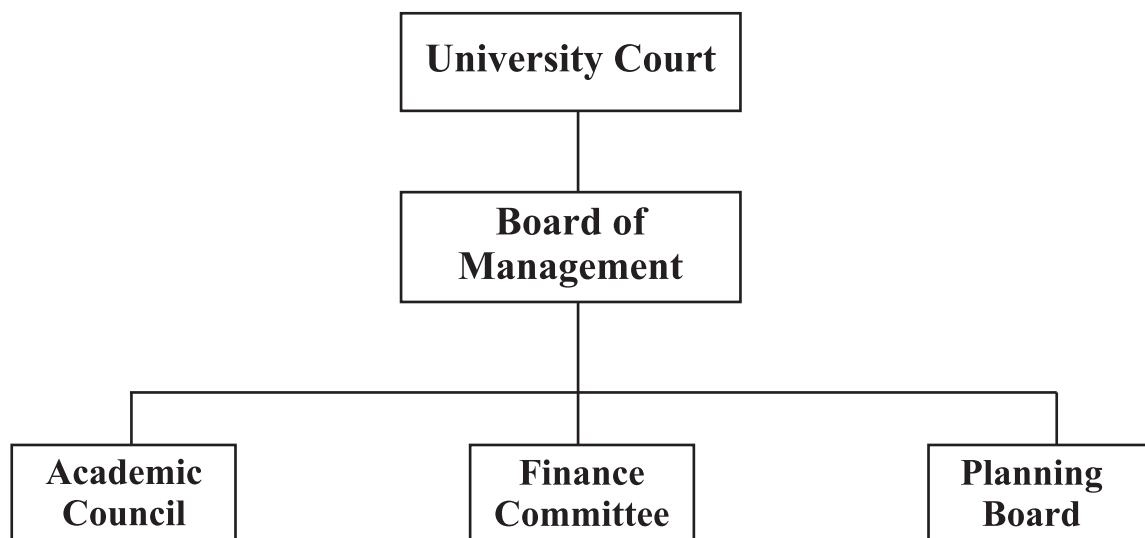
# UNIVERSITY GOVERNANCE

## As per Sub-Section (4) of Section 3 of the IGDTUW Act

*"The University shall be administratively autonomous and shall receive grant-in-aid from Government of Delhi to provide education to the girls' students and as such shall receive funds for capital and operational expenditure from Government of Delhi, having its own governance as well as administrative policies and practices as prescribed"*

As per the Section 18 of the IGDTUW Act 2012, University Court, Board of Management, Academic Council, Planning Board, Finance Committee are the various Statutory bodies of the University.

## Organogram of the Statutory bodies of University



# UNIVERSITY COURT

The University Court is the highest Statutory body of the University. The Court shall review, from time to time, the broad policies and programmes of the University and suggest measures for improvement and development of the University. The Court of the University consists of the following Members :

S.No.	Name & Designation	Position
1.	<b>Sh. Anil Baijal</b> Hon'ble Lt. Governor, Govt. of NCT, Delhi & Chancellor, IGDTUW	Chairperson
2.	<b>Dr. Amita Dev</b> Vice Chancellor, IGDTUW <b>(Ex-officio)</b>	Member
3.	<b>Ms. Alice Vaz R., IAS</b> Secretary (Higher Education/ Technical Education), GNCTD <b>(Ex-officio)</b>	Member
4.	<b>Sh. P. K. Gupta, IAS</b> Additional Chief Secretary, General Administrative Department, GNCTD link officer to Secretary Finance, GNCTD <b>(Ex-officio)</b>	Member
5.	<b>Prof. Ashwni Kumar</b> Pro-Vice Chancellor <b>(Ex-officio)</b> Dean (International Affairs), IGDTUW	Member
6.	<b>Prof. Zahid H. Khan</b> Former Director, FTK Centre of Technology, Jamia Millia Islamia, New Delhi	Member
7.	<b>Prof. Ela Kumar</b> Dean (Student Welfare), IGDTUW	Member
8.	<b>Prof. Arun Sharma</b> Dean (Examination Affairs), IGDTUW	Member
9.	<b>Prof. Jasdeep Kaur Dhanoa</b> Dean (Academic Affairs) , IGDTUW	Member
10.	<b>Prof. Ranu Gadi</b> Dean (R&C and IRD), IGDTUW	Member
11.	<b>Prof. R. K. Singh</b> Registrar, IGDTUW <b>(Ex-officio)</b>	Member Secretary

## BOARD OF MANAGEMENT

The Board of Management is the Principal Executive Authority of the University and as such has all powers necessary to administer the University subject to the provisions of the University Act and Statutes. The Board of Management of the university consists of the following Members :-

S.No.	Name & Designation	Position
1.	<b>Prof. R. K. Kale</b> Former Vice-Chancellor, Central University of Gujarat	Chairperson
2.	<b>Dr. (Mrs.) Amita Dev</b> Vice-Chancellor, IGDTUW, <b>(Ex-Officio)</b>	Member
3.	<b>Sh. S.P. Singh</b> IAS, Secretary (Technical Education), GNCTD <b>(Ex-officio)</b>	Member
4.	<b>Mrs. Renu Sharma</b> IAS, Principal Secretary (Finance), GNCTD <b>(Ex-officio)</b>	Member
5.	<b>Sh. Sandeep Kumar</b> IAS, Secretary (Higher Education), GNCTD <b>(Ex-officio)</b>	Member
6.	<b>Dr. Neeta Verma</b> Director General, NIC	Member
7.	<b>Ms. Anuradha Arora</b> Head of Early Career Staffing (Talent & Outreach Program) Google India.	Member
8.	<b>Mr. Sanjay Gupta</b> Vice-President, Engineering and India Country Manager, NXP Semiconductor	Member
9.	<b>Prof. M.P. Poonia</b> Vice-Chancellor, AICTE	Member
10.	<b>Dr. Koustuv Dasgupta</b> Vice President and Head AI Engineering	Member

Continue....

S.No.	Name & Designation	Position
11.	<b>Dr. G. Satheosh Reddy</b> Secretary, Department of Defence R&D, Chairman, DRDO	Member
12.	<b>Sh. P. K Thakur</b> IRS, Finance Advisor Representative of the University Grants Commission (UGC)	Member
13.	<b>Prof. Ashwni Kumar</b> Dean (International Affairs), IGDTUW	Member
14.	<b>Prof. R.K Singh</b> Dean (Planning & Development), IGDTUW	Member
15.	<b>Prof. S.R.N. Reddy</b> Deptt. of CSE, IGDTUW	Member
16.	<b>Prof. Devendra Kumar Tayal</b> Deptt. of CSE, IGDTUW	Member
17.	<b>Prof. R.K. Singh</b> Registrar, IGDTUW ( <b>Ex-officio</b> )	Member Secretary

## FINANCE COMMITTEE

The Finance Committee of the University is responsible for providing its recommendations on all financial matters of the University to the Board of Management. The Finance Committee of the University consists of the following Members :

S.No.	Name & Designation	Position
1	<b>Prof. R. K. Kale</b> Former Vice-Chancellor, Central University of Gujarat (Chairman Board of Management (Ex-officio)	Chairperson
2.	<b>Dr. (Mrs.) Amita Dev</b> Vice-Chancellor, IGDTUW (Ex-Officio)	Member
3.	<b>Sh. Prakash Chand</b> Comptroller of Accounts, Govt. of NCT of Delhi	Member
4.	<b>Sh. S.P. Singh</b> IAS, Secretary (Technical Education), GNCTD (Ex-officio)	Member
5.	<b>Mrs. Renu Sharma</b> IAS, Principal Secretary (Finance), GNCTD (Ex-officio)	Member
6.	<b>Prof. S.R.N. Reddy</b> Dean (Examination Affairs), IGDTUW	Member
7.	<b>Prof. Devendra Tayal</b> Dean (Academic Affairs), IGDTUW	Member
8.	<b>Prof. Manoj Soni</b> HoD (MAE), IGDTUW	Member
9.	<b>Dr. Nidhi Goel</b> HoD (ECE), IGDTUW	Member
10.	<b>Prof. R.K. Singh</b> Registrar, IGDTUW (Ex-officio)	Member-Secretary

## ACADEMIC COUNCIL

The Academic Council is the Principal Academic body of the University and shall, subject to the provisions of the University Act, the Statutes and the Ordinances, have the control and regulations of, and be responsible for, the maintenance of standards of instructions, education, research and examination within the University. The Academic Council of the University consists of the following Members :

S.No.	Name & Designation	Position
1.	<b>Dr. (Mrs) Santosh Satya</b> Centre for Rural Development Technology, IIT Delhi (UGC Nominee)	<b>UGC</b>
2.	<b>Prof. Usha Natesan</b> Advisor-1, AICTE & Prof. Civil Engineering, Anna University, Chennai (Nominee of AICTE)	<b>AICTE</b>
3.	<b>Prof. Saroj Kaushik</b> Professor and former HoD, Deptt. Of CSE, IIT Delhi	External Member
4.	<b>Prof. R. A. Khan (Retd)</b> Former HoD, ME Deptt. JMI, New Delhi	External Member
5.	<b>Prof. Sanjeev Sofat</b> Director, Cyber Security Cell and Head, Deptt.Of Computer Science & Engineering, PEC University of Technology, Chandigarh	External Member
6.	<b>Dr. Kamlesh Dutta</b> Former Head, CSE Deptt. NIT, Hamirpur (HP)	External Member
7.	<b>Prof. R. K. Singh</b> Dean (Examination Affairs), IGDTUW	Dean
8.	<b>Prof. Ela Kumar</b> Dean (Academic Affairs), IGDTUW	Dean
9.	<b>Dr. N.R. Chauhan</b> HoD (MAE), IGDTUW	HOD
10.	<b>Dr. Shalini Arora</b> HoD (ASH), IGDTUW	HOD
11.	<b>Dr. Jasdeep Kaur</b> HoD (ECE), IGDTUW	HOD

Continue....



S.No.	Name & Designation	Position
12.	<b>Dr. Preeti Vajpeyi</b> HoD (Arch. & Plg), IGDTUW	HOD
13.	<b>Prof. Ashwin Kumar</b> Deptt. Of ECE , IGDTUW	HOD
14.	<b>Dr. A. K. Mahapatra</b> Associate Professor, Deptt, of IT, IGDTUW	Associate Professor
15.	<b>Mr. Akash Tayal</b> Assistant Professor, Deptt. Of ECE, IGDTUW	Associate Professor
16.	<b>Prof. R.K. Singh</b> Registrar, IGDTUW (Ex-officio)	Member-Secretary

## PLANNING BOARD

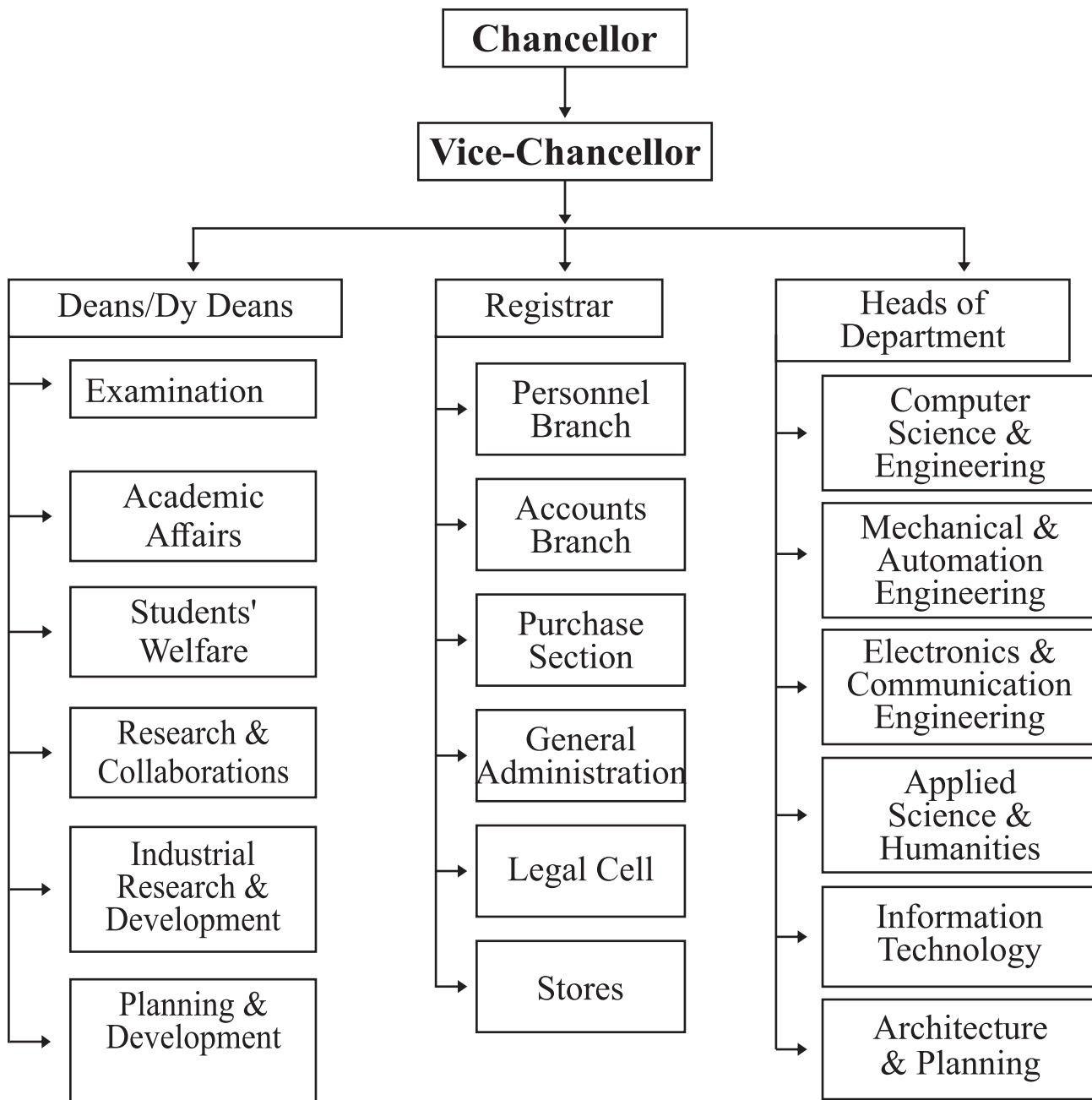
Planning Board is the principal planning body of the University and responsible for monitoring the development of the University. The Planning Board of the University consists of the following Members:

S.No.	Name & Designation	Position
1.	<b>Dr. (Mrs.) Amita Dev</b> Vice-Chancellor, IGDTUW (Ex-Officio)	Chairperson
2.	<b>Prof. Ashwni Kumar</b> Pro Vice Chancellor	Member
3.	<b>Sh. K.P. Singh</b> Engineer-in-Chief, North MCD (Ex-Officio)	Member
4.	<b>Ms. Leenu Sehgal</b> Commissioner/Director (Planning), DDA (Ex-Officio)	Member
5.	<b>Sh. Ashok Kumar</b> Director , Deptt of Planning, GNCTD	Member
6.	<b>Dr. O. P. Shukla</b> Joint Director (Planning), DTTE, GNCTD	Member
7.	<b>Prof. R. K. Singh</b> Registrar, IGDTUW	Member-Secretary

# ORGANIZATIONAL STRUCTURE

The Lieutenant Governor of National Capital Territory of Delhi shall be the Chancellor of the University. The Vice-Chancellor, the Pro-Vice Chancellor, Dean(s), Registrar and such other officers as may be declared by the statutes to be the officers of the University. The Organogram of the University Officials and the distribution of the responsibilities of the various officers of the University is given below.

## Organogram of the University



## HIGHLIGHTS OF AWARDS & ACCOLADES RECEIVED BY THE UNIVERSITY

During the uncertain times of COVID-19, the University left no stone unturned and strived hard in achieving the success by adopting and shifting to newer means of imparting education and conducting events online.

- As a matter of pride, the University ranked **2nd under Women Colleges and Universities** and in **"Atal Ranking of Institutions on Innovation Achievements (ARIIA)-2020"** awarded by Hon'ble Vice President of India on 18th August, 2020.
- **77th position in the overall "World's Universities with Real Impact (WURI) Ranking", as the Innovative Universities for 2020** has been another feather in the cap for achievements for IGDTUW. The University also bagged **21st position in the special category "Entrepreneurial Spirit of WURI ranking, 2020"**.
- IGDTUW stood 19th among the **"Top 25 Engineerin Colleges/Universities of India"** and also bagged a position under the category **"College with the best value for Money."** (Source: INDIA TODAY Survey, June 2020)
- In **"The Times Annual Engineering Institute Survey-2020"**, IGDTUW bagged following remarkable ranks and positions:- Ranked **"3rd in the Top Emerging Institutes"** - Placement Category:- Ranked **"4th in the Emerging Engineering Institutes"** - Research Capability Category- Ranked **"Among top 5 Engineering Institutes"**- Emerging Category
- IGDTUW is the only government university in India which has been selected by QS I QUAGE for the award of **"E LEAD INSTITUTE for E-Learning Excellence for Academic Digitization"**
- IGDTUW has been awarded with a **"Diamond University (Diamond Rating)"** by QS I-Gauge (Indian College & University Rating)
- IGDTUW has been conferred **"Sushma Swaraj STREE Shakti Samman"** on 25th September 2020 for its vision and outstanding commitment for Women Education and Women Empowerment.

## ADMISSIONS

The University is committed to improve access to, and widening participation in, higher education. The University set out how it intends to attract and support students in applying to, and studying at, IGDTUW

The University conducted Admissions-2020 to B.Tech. & B.Arch. Programme jointly with three other leading Technical Universities- IIITD, NSUT and DTU through Joint Admission Counselling (JAC). Centralized counselling was arranged for admission into

various programmes at Indira Gandhi Delhi Technical University for Women (IGDTUW), Indraprastha Institute of Information Technology (IIIT Delhi), Netaji Subhas University of Technology erstwhile (NSUT) and Delhi Technological University (DTU). One seat is reserved for Kashmiri Migrant (KM) in UG and PG Programmes.

### IGDTUW Student Intake 2019-20

S. No.	Title of Programme	Student Intake
1.	B.Tech (Computer Science & Engineering)	169
2.	B.Tech.(Electronics & Communication Engineering)	84
3.	B.Tech. (Mechanical & Automation Engineering)	84
4.	B.Tech. (Information Technology)	132
5.	B. Arch. (Architecture & Planning)	40
6.	Bachelor of Business Administration (BBA)	67
7..	Masters in Computer Application (MCA)	67
8.	M.Tech. (VLSI design)	27
9.	M.Tech. (Information Security Management)	28
10.	M.Tech. (AI)	29
11.	M.Tech. (Robotics & Automation)	27
12.	M.Plan (Urban Planning)	23
13.	Ph.D. (Applied Sciences, Engineering & Humanities)	33
	Total	777

Students at IGDTUW learn beyond the boundaries of curricula blended with professional ethics, besides social and cultural values which eventually shape up their personality not only as good responsible citizens but also Technical Professional with Excellence at par. The university organized online Orientation

Programme for the newly admitted students in this year to familiarize them with the new ambience and programmes. The profound intellect of the students compounded with the right mentorship by experienced faculties continues to build the Legacy of Excellence.

## ACADEMIC PROGRAMMES AT IGDTUW

IGDTUW has strived hard to build a strong Academic Curriculum under Choice Based Credit System which offers Horizontal Flexibility and Vertical Mobility to the students with vast variety of Electives and MOOC courses. Academic innovation have always been top most in the priorities of the University. With globalisation, Artificial Intelligence and Industry 4.0 with the march of technology, the life of an engineer is changing rapidly. Today's graduates need to be flexible, to be able to learn quickly, to be able to innovate to produce products and services that can cater to the local needs and

global standards. All of our programmes have been designed to produce Technical and Professional leaders including Entrepreneurs and designers for the future India.

The curriculum has a broad base of courses in Architecture, Engineering, Management and Humanities. The syllabus is 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.

S. No.	Title of Programme	Level	Duration (years)
1.	B.Tech. (Computer Science & Engineering)	UG	4
2.	B.Tech.(Electronics & Communication Engineering)	UG	4
3.	B.Tech. (Mechanical & Automation Engineering)	UG	4
4.	B.Tech. (Information Technology)	UG	4
6.	B. Arch. (Architecture & Planning)	UG	5
7.	Bachelor of Business Administration (BBA)	UG	3
9.	Masters in Computer Application (MCA)	PG	2
11.	M.Tech. (Artificial Intelligence)	PG	2
12.	M.Tech. (VLSI design)	PG	2
13.	M.Tech. (Information Security Management)	PG	2
14.	M.Tech. (Robotics & Automation)	PG	2
15.	M.Plan. (Urban Planning)	PG	2
16.	Ph.D. (Applied Sciences, Engineering & Humanities)	Ph.D.	

IGDTUW provides higher education in Advance and Emerging areas for the women of our country. IGDTUW continues to make forays into newer territories pertinent to postgraduate education to meet the contemporary demands of the industry and research organisations.

Our university is constantly upgrading its infrastructure by adding new classrooms, studios and labs in various Departments. Upgradation and maintenance of existing building facade is sensitively done keeping in

mind the heritage value of the campus. The University hostel provides state of the art facilities and the numbers of seats are approximately 400 for the session, 2020-21. The campus is completely self-reliant as it offers all amenities and essential facilities like Learning Resource Centre, Library, Computer Centre, Dispensary, Bank, Common Room, Recreational Area, Guest House etc.

## ACADEMIC DEPARTMENTS OF THE UNIVERSITY

The teaching in the University is offered by the Departments. As per the First Ordinance of the Indira Gandhi Delhi Technical University for Women relating to establishment of Faculties and Departments

of the University, the following are the faculties and grouping of Departments, including existing Departments that offers Under-Graduate, Post-Graduate and PhD programmes:

S.No.	Name of the Department
1.	<b>Faculty of Engineering &amp; Technology</b>
	Department of Computer Science & Engineering
	Department of Electronics & Communication Engineering
	Department of Information Technology
	Department of Mechanical & Automation Engineering
2.	<b>Faculty of Sciences &amp; Humanities</b>
	Department of Applied Sciences and Humanities
3.	<b>Faculty of Architecture &amp; Design</b>
	Department of Architecture & Planning

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering offers B. Tech in Computer Science and Engineering (CSE) and M. Tech CSE (Artificial intelligence) and Ph.D. in all emerging areas of computer science.

- To develop a high quality and skilled professional workforce with innovative teaching and interactive learning at global academic and professional standards, thus creating an impact on global forums in the area of Computer Science and Engineering.

The mission of department is:

- To provide excellent learning classroom and laboratory infrastructure with latest hardware/software for students
- To provide high quality academic and research-oriented environment in the department,
- To organize frequent co-curricular activities like expert lectures/ workshops/ symposia/conferences to provide student with best holistic learning environment,
- To inculcate good human values in students and to make them adopt integrity in serving the nation.

The objectives of the department are:

- To promote convergence of knowledge, information, technology and skills.
- To develop a learning and knowledge enhancement platform for students with global perspective.
- To ensure total personality development of would be engineers.

- To work in collaboration of other institutes /large industries.
- To impart specialized knowledge and skills to the students in field of computer and information technology

CSE department has a talented pool of faculty, who are very sincere and committed and work with professional excellence. Besides teaching, faculty is actively involved in research, patent writing, consultancy and organization of workshops, conference, expert lectures etc. Many faculty members are members of editorial board of Journals, and expert committee members of professional committees at National & International levels.

The department has good IT enabled infrastructure. The classrooms are equipped with IT support such as digital podium with multimedia projector, Smart interactive display boards, Multimedia touch display white board, Green board, Dustless usable chalk board. The Department also has Laboratories including Research labs having latest software for data analytics and cognitive and advance AI and machine learning namely Mobile design and innovation lab, Embedded system design lab, Machine learning Lab, Intelligent computing lab, Data ware housing and data mining lab, Software engineering lab, Artificial Intelligent lab, and cloud computing.

## Programs Offered

- B.Tech. (Computer Science & Engineering) – 4 Year
- B.Tech. (Artificial Intelligence) – 4 Year
- M. Tech. (Artificial Intelligence) – 2 Year
- Ph.D.



## Faculty Members

- **Prof. S.R.N. Reddy**, Professor & Head of Department
- **Prof. Ela Kumar**, Professor & Dean (Student's Welfare)
- **Prof. Devendra K. Tayal**, Professor & Chief Proctor
- **Prof. Seeja K.R.**, Professor
- **Dr. Vivekanand Jha**, Assistant Professor
- **Dr. Ravinder. M**, Assistant Professor
- **Ms. Najme Zehra**, Assistant Professor
- **Ms. Vibha**, Assistant Professor
- **Ms. Monika Choudhary**, Assistant Professor
- **Mr. B. Indra Thannaya**, Assistant Professor
- **Ms. Khyati Ahlawat**, Assistant Professor
- **Ms. Arunima Jaiswal**, Assistant Professor

## Project Grants from Department of Science and Technology(DST)

- **Detection of cause of Life-Threatening Diseases by Examining the Human Genome in Microarray Data using Distributed Implementation of Algorithms**-Prof. Devendra Kumar Tayal as PI from ICPS Division, DST, Ministry of Science & Technology with a funding of **40 Lakhs** funded for the year 2019-2021
- **My Smart Phone (Mobile Education Kit-3)** under the Department of CSE, IGDTUW received a grant of **23.40 lakhs** from Microsoft Corporation USA.
- Grant of **90 Lakhs** has been received from **MHRD** for establishing **Design and innovation Center at IGDTUW** along with **60.15 Lakhs** to Dept of CSE for collaborative research with IIT Delhi, IIIT Delhi, NITTTR Chandigarh etc.

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering (ECE) provides dynamic and quality engineering for Women. In the existing scenario of rapid and sophisticated development in the field of Electronics and Communications and its allied fields, the Department's intent and focus has always been to globally produce competitive and socially sensitized engineering for graduates and post-graduates. The department also focuses on bringing out quality research in the emerging areas of Electronics and Communication Engineering.

- To develop a high quality and skilled professional workforce with innovative teaching and interactive learning at global academic and professional standards, thus creating an impact on global forums in the area of Electronics and Communication Engineering
- To establish of Centres of Excellence (CoE) in the areas of Electronics & Communication Engineering
- To develop highly academic and research-oriented environment in ECE where young professionals can groom their professional skills and enhance their knowledge effectively
- To organize frequent co-curricular activities like expert lectures/ workshops/ symposia/conferences to provide students with the best holistic learning environment.
- To inculcate good human values, etiquettes and manners in students to work with confidence and integrity for the Nation.
- To create CoE in Electronics and Communication Engineering for students with professional learning, knowledge gaining, training and inculcate themselves activities of research for the benefit of the Nation.
- To understand and apply the subject specific knowledge to the practical problems in the areas of Electronics and Communication Engineering.
- To provide ecologically sustainable, cost-effective solutions to the problems in the subject area.
- To create a well conversant, socially and ethically responsible individuals with excellent communication skills.
- To enhance competence in engineering modelling and experimental capabilities to pursue research oriented higher education.

The Department is committed to provide quality and contemporary education in the domain of Electronics and Communication Engineering through latest curriculum, state-of-the-art laboratory facilities, collaborative ventures with industries and effective teaching-learning practices. Considering the latest trends in industry and research, the Department has recently revised the UG & PG curriculum as per Choice Based Credit System (CBCS) guidelines to enhance the employability of students. The Department has always been on the path of student growth with involvement of experienced and dedicated faculty strongly committed with students to guide them. The Department offers a strong research orientated platform to the students in the areas of Communication Systems, Signal & Image Processing, Embedded systems, Microelectronics and VLSI Design. The faculty members, besides teaching, are active in conducting research which is evident from their list of publications in International/ National conference proceedings/Journal. The Department has state-of-the-art laboratory facilities i.e. VLSI Lab, Analog Electronics Lab, DSP Lab, Electrical Science Lab, Control Engineering Lab etc

## Programs Offered

- B.Tech. (Electronics and Communication Engineering) – 4 Year
- M. Tech (VLSI Design) – 2 Year
- Ph.D.

## Faculty Members

- **Prof. Nidhi Goel**, Professor & Head of Department
- **Prof. Ashwni Kumar**, Professor Dean (International Affairs) & Registrar, IGDTUW
- **Dr. Jasdeep Kaur Dhanoa**, Professor & Dean (Academic Affairs)
- **Dr. Vandana Niranjana**, Professor
- **Dr. Akash Tayal**, Associate Professor
- **Dr. Maria Jamal**, Assistant Professor
- **Dr. Shobha Sharma**, Assistant Professor
- **Dr. Richa Yadav**, Assistant Professor Co-Ordinator R&C Cell
- **Dr. Pankaj Gupta**, Assistant Professor
- **Mr. Kanchan Sharma**, Assistant Professor
- **Mr. Ejaz Aslam**, Lodhi Assistant Professor
- **Ms. Greeshma Arya**, Assistant Professor
- **Ms. Neha Singh**, Assistant Professor

## Project Grants from Department of Science and Technology(DST)

- **Vigyan Jyoti Pilot Project**- Dr. Jasdeep Kaur Dhanoa as Principal Investigator from 2018 onwards with a funding of **20 Lakhs per year** till 2019.
- **Chips to System Design (SMDP-C2SD)**- Department of ECE working with IIT Delhi as Resource Centre for the year 2014-19 worth of **1 crore** by Department of Electronics and IT, Ministry of IT, Govt. of India.

## DEPARTMENT OF MECHANICAL AND AUTOMATION ENGINEERING

The Department of Mechanical & Automation Engineering (MAE) offers B. Tech in Mechanical & Automation Engineering, M. Tech in Robotics Automation & Ph.D. in different specializations of Mechanical & Automation Engineering.

- The department of MAE strives for excellence in education to develop highly skilled and world class workforce in the area of Mechanical and Automation Engineering and target research goals and themes in emerging areas with an aim to be one of the leaders in the field of engineering for students making them globally competitive in the field of MAE
- To develop & maintain state-of-the-art laboratories with equipment's and software's to foster visualization of known art and Knowledge.
- To create research facilities to provide opportunities to apply and disseminate knowledge for their students and faculty
- To develop linkages with industries and educational institutes to maintain excellence in teaching and research
- To provide supportive environment that encourages students in adopting teamwork and inculcate good human values and become responsible and respectable builders of Nation.

The desired learning outcomes of the program is

- To prepare students for successful professional practices by providing them fundamental and advanced education
- To inculcate the habit of staying updated with development in technology and research and promote opportunities for students and faculties in various competitions.

- To inculcate qualities in students to perform in a professional and ethical manner and make them responsible leaders in the society

The Department has highly qualified and experienced faculty and Staff members. The faculty is actively involved in various research and professional activities along with dedicated teaching. All Faculty members have been contributing to research and development in form of patents and publications in reputed peer reviewed journals. A number of MNCs have been collaborating with the Department and have contributed in Research & Development. Every year meritorious students secure admission to the programs offered by the Department. The Ph.D. scholars have been applying for government grant for research projects and have also received favorable response. The students and faculty members have been actively participating in National and International Conferences and have contributed in areas such as Design Engineering, Robotics, CAD/ CAM/ CIM, Mechatronics, Automation, Computational Engineering, Advance Manufacturing Systems, Automotive and IC Engines. The Department has a very active student Chapter under the aegis of Society of Automotive Engineers (SAE) and American Society of Mechanical Engineers (ASME). Students of MAE department have been participating in many car design competitions such as Supra, Effi-cycle and Shell Eco Marathon and have been bringing laurels to the University. Industrial visits, workshops and expert lectures are regularly organized and receive active students Participation.

## Programs Offered

- B.Tech. (Mechanical & Automation Engineering) – 4 Year
- M. Tech (Robotics & Automation) – 2 Year
- B.Tech. (MAE) & MBA – 6 Year (Dual Degree)
- Ph.D.

## Faculty Members

- **Prof. N. R. Chauhan** Professor, Head of Department & Training & Placement Office
- **Prof. Manoj Soni**, Professor & Additional Registrar (HR)
- **Dr. O.K. Singh**, Associate Professor
- **Dr. Pankaj Tomar**, Assistant Professor
- **Dr. Shipra Aggarwal**, Assistant Professor
- **Dr. Vivek Chawla**, Assistant Professor
- **Dr. Pooja Bhati**, Assistant Professor
- **Dr. Tina Chaudhari**, Assistant Professor
- **Ms. Deepti Chhabra**, Assistant Professor
- **Ms. Deepti Jaiswal**, Assistant Professor
- **Mr. Ravinder Kumar**, Assistant Professor
- **Mr. Urfi Khan**, Assistant Professor

## National and International Conferences

- **National Conference -Innovations in Mechanical and Automation Engineering**  
National conference on Innovations in Mechanical and Automation Engineering was organized on 18/9/2020. Honble Atul Sobti Director General of scope was the Chief Guest and plenary session was conducted by Guest of Honor Prof. Dtmitru Nedelcu from Romania.

## Project Grants from Department of Science and Technology(DST)

- **Design and Development of Customized Temporo Mandibular Joint Prosthesis for Patient suffering from End Stage TM disorders-** Ms. Mehak Sharma under the mentorship of Dr. Manoj Soni in the year 2018 for three years with a a funding of **21.50 Lakhs.**

# DEPARTMENT OF INFORMATION TECHNOLOGY

The Department of Information Technology (IT) has shown incomparable innovation, research aptitude, industry linkage, intellectual talent, technical and problem-solving skills through active participation of Faculty, Research Scholars and Students at National and International level.

- IT department aspires to become a front-runner by empowering our young women students through quality technical education and comprehensive technology infrastructure. The department envisions creating efficient problem solvers, technically competent, skilled and groomed young women researchers and IT professionals to meet global challenges.
- To offer high quality education both theoretically and practically to our young women students in undergraduate, post-graduate and doctoral programs.
- To create healthy and professional atmosphere for all the stakeholders of Department for continuous learning to investigate, apply and transfer knowledge.
- To maintain state-of-the art facilities and well equipped laboratories where students and faculty can research and enhance their knowledge.
- To organize technical programs and provide quality training to enhance knowledge in latest technologies. The objective is to create an environment of excellence in teaching and research by raising the quality and standards of education and make it globally competitive and locally relevant.
- To converge as an Open, evolving community invested in creating, preserving, and translating knowledge.
- To manage IT as a strategic resource.
- To serve as an “incubator” by offering dedicated programs and courses that encourage faculty and student idea generation.
- Create a technology-enriched environment for learning that is both effective as an aid in supporting the experiences of teaching and learning and is instructive by reflecting the technology environment graduates will work in after

leaving IGDTUW.

- To advance knowledge through research and scholarly activity. The Department introduced a post-graduate program “Information Security Management” (M. Tech- IT) in 2013 (now providing our young women to enhance their knowledge and learning with requisite expertise and cater to the needs of industry in enhancing the security dimension of IT and cyber world. The department started the Ph.D. program in 2014 adopting to dynamic research and development in the domain of Information Technology with 19 research scholars currently enrolled in research work. The Department believes in continuous learning and therefore. Hosts various workshops, Faculty Development Program (FDP), Conference, Seminars and Expert talk sessions on regular basis. The Department encourages the students to participate in the such events to hone their technical expertise. Some of the technical events conducted by the Department under the aegis of ACM Society are Espectro and Advaya The Department has a very strong industry institute linkage. It has signed several MoUs with leading IT industries and Research Organizatio including CISCO & NASSCOM Foundation for running thingQator Program, IBM (India) Pvt. Ltd. For technological up-gradation of the students and faculty members in the emerging IT fields and Cyber Peace Foundation for promoting Research & Development activities in the field of Cyber security and forensics. Department is very active in organizing several technical events for the overall holistic development of the students. IT Dept. organized first International Conference on Artificial Intelligence and Machine Learning (AIST 2019) in November 2019, which was attended by several acclaimed researchers and academicians from across the globe including Japan, Hungary, Czech Republic, Myanmar and others. This conference will now be conducted every year.

## Programs Offered

- B.Tech. (Information Technology) – 4 Year
- M. Tech- IT (Information Security Management) – 2 Year
- Master of Computer Applications (MCA) – 2 Year
- Ph.D.

## Faculty Members

- **Prof. R. K. Singh**, Head of Department,
- **Prof. Arun Sharma**, Dean (Examination Affairs) Director (NIRF, IQAC & Accreditation)
- **Prof. A. K. Mohapatra**, Professor
- **Dr. Kalpana Yadav**, Assistant Professor
- **Dr. Rishabh Kaushal**, Assistant Professor
- **Dr. Nisha Rathee**, Assistant Professor
- **Dr. Niyati Baliyan**, Assistant Professor
- **Dr. Mohona Ghosh**, Assistant Professor
- **Dr. Sourabh Bharti**, Assistant Professor
- **Dr. Aruna Bhat**, Assistant Professor (On Lien)
- **Ms. Ankita**, Assistant Professor
- **Ms. Nidhi Arora**, Assistant Professor
- **Mr. Gaurav Indra**, Assistant Professor
- **Ms. Bhawna Narwal**, Assistant Professor
- **Ms. Charu Gupta**, Assistant Professor

## National And International Conferences

- **International Conference - AIST-2020**

International Conference on Artificial Intelligence and Speech Technology (AIST2020) was organized by the Department of Information Technology in technical association with IBM from 19-20th November, 2020 in an online mode. The event was inaugurated by Prof. V Ramgopal Rao, Director, IIT Delhi. A number of

Keynote Addresses were delivered by eminent Speakers from India and abroad including Prof S Nakamura from NAIST, Japan, Prof Nemeth Geza from Budapest University of Technology and Economics, Hungary, Prof. Milan Stehlik from Johannes Kepler University, Austria, Prof Umesh S from IIT Madras, Dr. Win Pa Pa, UCSY, Myanmar, Dr. Manish Bhide from IBM and several others.

## Project Grants from Department of Science and Technology(DST)

- **Information Security Education and Awareness (ISEA) project Phase-II by Deity, Govt. of India** and state of the art research labs have been established under the project grant: i.e Cyber Forensics Lab under Department of IT (with a project grant of **65.3 lakhs**) which is equipped with

FRED Server and Net Force Suite -a forensic suite developed by C-DAC and IoT Lab which has been equipped with real time test bed "**Sense Nuts : IoT Platform for Excellence**" for experimenting sensor for IoT applications.

# DEPARTMENT OF ARCHITECTURE AND PLANNING

The Department of Architecture & Planning (approved under Council of Architecture) provides a Bachelor's Degree program in Architecture (B. Arch.) with an intake of 40 young creative minds each year. The students have to qualify JEE mains (Paper 2) and apply through JAC for admission. The Department has also introduced a two year full-time Postgraduate Master of Planning (Urban Planning) program from 2019 with an intake of 23 students.

Development of the individual girl as a responsible member of peaceful, pluralist and inclusive society by learning to explore and practicing quality, sustainable form of architecture.

The Department of Architecture and Planning in IGDTUW aspires to be the leading voice for excellence in the field of Architecture and Planning in our country, demonstrating how design enhances the quality of life, while addressing important issues of society through responsible architecture. The department aspires to become a distinguished center of architectural thought, research, learning, innovation, capacity building and scholarly inquiry aiming towards becoming a globally recognized Department and University.

To provide architectural education to empower students to become protagonist of positive change by exploring, learning and practicing a sustainable and inclusive form of architecture.

- To develop the capacity of the women students to practice architecture which is humane and sustainable by developing understanding of:
- Sustainability which encompasses not just environmental variables but also socially- economically- culturally responsive architecture.
- how peace and inclusion can be fostered in society through domains of architecture and planning.
- To foster innovation and creativity through promotion of holistic learning environment, a flexible and distinctive pedagogy that leverages use of latest technology, hands on activities in the form of field visits, peer learning, etc. while instills a notion of lifelong learning.
- To promote a learning environment that welcomes and honors women from diverse cultures for involving themselves

in intellectual inquisitiveness, explore knowledge dimensions for future application in industry, profession and life.

- To shape student's mind into thoughtful and responsible individuals who are effectively able to tackle the challenges of the profession and create ecosystems which enhance the quality of life.
- The Department has a remarkable Infrastructure with well-lit Classrooms, Design Studios, well-equipped Labs in Climatology, Surveying and Levelling, and a Computer Centre with latest software tools. The teaching pedagogy involves indoor and outdoor teaching, academic tours and industrial visits, hands-on working and learning experience in the departmental workshops for carpentry and metal, model making and also a construction yard. The Library is well equipped with latest books and journals and has access to e-learning resources. There is also a material museum which houses various industrial materials for a visual learning experience. The campus is Wi-Fi-enabled and under constant CCTV surveillance.
- The teaching environment in the Department is known for discovering extraordinary ideas and extraordinary people. The courses are designed to promote capacity building and knowledge sharing hence the curriculum of the Department is comprehensive and integrated across relevant subjects. IGDTUW believe in interdisciplinary learning so that students can opt for various electives across the engineering branches also.
- The Department is known for breaking new grounds and generating unexpected outcomes. The faculty is constantly available in the campus for iterative academic growth and overall development of students. activities and societies pertaining to cultural and alternate skill development programs. Time management exercises and team leadership qualities are also promoted through the open teaching environment. The department believes that the field of Architecture & planning can generate real and productive changes in the world.





## Programs Offered

- Bachelor of Architecture (B. Arch) – 5 Year
- M. Plan (Urban Planning) – 2 Year

## Faculty Members

- **Ar. Vishal Rai**, Associate Professor & Head of Department
- **Dr. Preeti Vajpeyi**, Associate Professor
- **Ar. Preeti Chauhan**, Associate Professor & Additional Registrar (GA)
- **Ar. Sneha Maji**, Assistant Professor
- **Ar. Venus Kashyap**, Assistant Professor
- **Ar. Jahnabi Kalita**, Assistant Professor
- **Ar. Kshitij Sinha**, Assistant Professor

## DEPARTMENT OF APPLIED SCIENCES AND HUMANITIES

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

The vision of the department is to become a center of academic excellence for professional and higher education in Applied Sciences, Management, and Humanities along with a renowned research center with cutting edge technologies and state-of-the-art infrastructure.

- To prepare and train B. Tech students in | Physics, Chemistry, Mathematics and Communication skills with an applied approach.
- To cater our students to pursue both intellectual growth and professional development, balance both depth and breadth in learning experience, practice both thoughtful reflection and active application.
- To enable the students to analyze and apply mathematical and scientific techniques in engineering, technology and interdisciplinary streams.
- To teach our students to question critically, think logically, communicate clearly, and live ethically. These skills

serve as the foundation for living the examined life and succeeding in an increasingly global, ever-changing workplace.

A strong high-rise building can be built only on a strong foundation, which signifies the importance of the Department of Applied Sciences and Humanities. Our objective is to train budding engineers with strong foundation in Sciences and to prepare professionals to face the workplace with strong ethical values.

The Department of Applied Sciences and Humanities has highly qualified faculty known for their academic excellence and enthusiastic R&D in thrust areas leading to a large number of research publications in reputed international and national journals.

The Department has undertaken several sponsored projects funded by CSIR, DST and UGC etc. There are currently twenty registered research scholars involved in active research for Ph.D, under different faculty members of the department. Many Research Scholars have successfully completed their Ph.D. degrees under the guidance of faculty supervisors in Chemistry and Physics. The Department has well equipped laboratories with the latest equipment to support teaching and research activities for undergraduate, post graduate and doctoral programs

### Project Grants from Department of Science and Technology (DST)

- **Fabrication and Application of Polymeric Nanoshots as Drug Delivery Agent for Cancer Imaging and Therapy-** Dr. Bhavani Prasad Naik

Nenavathu as Principal Investigator from March 2017 till March 2020 with a funding of **26 Lakhs**.

## National And International Conferences

- **International Conference- ASMET-2020** Economic and Cultural Centre in India, was the Department of Applied Sciences & Dept. of Management organized first International Conference on "**Advances in Smart Materials & Emerging Technologies**" at IGDTUW, Delhi on 23rd-24th January 2020. Ambassador Tien Chung-kwang, Representative of Taipei Guest of Honour in the Conference. Secretary DST, Ashutosh Sharma was Chief Guest for the conference.

## Programs Offered

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

## Faculty Members

- **Prof. Chhaya Ravi Kant**, Professor & Head of Department
- **Prof. Ranu Gadi**, Professor, Dean(Industrial Research & Development and Research and Collaboration)
- **Prof. Shalini Arora**, Professor & Chief Warden
- **Dr. Dinesh Ganotra**, Associate Professor Estate Officer
- **Dr. Geeta Sachdev**, Assistant Professor Assistant Registrar (Academics)
- **Dr. Bhavani Prasad**, Assistant Professor Co-ordinator IRD Cell
- **Dr. Bhavya Raj**, Assistant Professor
- **Dr. Surender Kr. Sharma**, Assistant Professor

## DEPARTMENT OF MANAGEMENT

University has started Department of Management under the Faculty of Business Studies in 2019. We offer management education based on principles, ethical and human values, directed towards the changing needs of the professionals, society, industry and Nation.

The vision is to be recognized globally as the destination for future leaders and become a center of excellence in management education by creating a knowledge society and promoting the Centre's of Excellence in the field of business education.

- To provide the aspiring women of India a learning environment to meet the

challenges of changing environment and encourage them for continuous innovation and learning.

- To equip the young minds with skill-based practical business management knowledge and analytical skills and develop entrepreneurial capabilities to facilitate them in emerging as Business Leaders

The Department is currently running a BBA program and is launching a new two-year full-time MBA program starting from Academic Session 2020-21 in order to cater to the growing industry need for Management graduates, with technical background.

### Programs Offered

- Bachelor of Business Administration (BBA) – 3 yr
- Master of Business Administration (MBA) – 2 yr

### Faculty Members

- Prof. Shalini Arora, Head of Department & Hostel Chief Warden
- Dr. Dhanjay Yadav, Assistant Professor

#### Visiting Faculties

- Dr. Sushil Diman, Assistant Professor
- Dr. Shalini Yadav, Assistant Professor
- Ms. Shikha Gupta, Assistant Professor
- Ms. Shiqli Gulati, Assistant Professor
- Mr. Luckshay Batra, Assistant Professor
- Ms. Anjali Raghav, Assistant Professor

## TRAINING AND PLACEMENT CELL

### (I) Placements highlights for the students of Computer Science & Engineering, Information Technology and Electronics & Communication Engineering

**The Placement Season for the batch 2019-20** started with the high note and more than 80 companies visited the campus for about 277 Full Time Offers, 43 Pre-Placement Offers and more than 173 Internship Offers. Thus about 465 offers were received by students in the year 2019-20 during the On-Campus Drives. The CTC of Rs.43.3 Lakhs from Microsoft IDC and Internship package of Rs.1.5 Lakhs per month from Uber were the highest in each category.

It is a matter of stupendous pride to share that compared to the last year 2018-19, there has been a rise in average CTC from 10.3 Lakhs per annum to 13.33 Lakhs per annum and a rise in highest package from 41.6 Lakhs to 43.3 Lakhs.

Many of our students have been placed in renowned National and Multinational companies. We are honoured to have corporate giants like Google, Microsoft, Uber, Intuit, Goldman Sachs, American Express, Walmart, Netapp, Cisco, GE, Nestle, Siemens, Accenture, TCS, DELL, Qualcomm, Mahindra & Mahindra, Maruti, Honda, Bajaj Automobile, MG Motor, Tata Motors, Nestle, Eaton, HUL, Ather Energy, Siemens, Honeywell, Cameron, Fluor Daniel, and list is endless, visiting us annually and offering great opportunities to our students.

There has been an exponential growth and the current placement statistics stand true to this testament. IGDTUW students, faculty and staff expects that this trend will continue throughout the placement season and companies will continue to reiterate the ever-increasing confidence on IGDTUW.

New companies that visited us for the first time this academic year 2020-21 are:

Atlassian, BNY Mellon, Zomato, Adidas, Wells Fargo, Standard Chartered, Grant Thornton, Confluent, Athenahealth, Barclays, AppDynamics, Testbook, Ericsson India, Analog Devices Marvell Semiconductors, DE Shaw, JTG, Teradata and PhonePe.

The huge number (92) of pre-placement offers bagged by students in these pandemic times and new recruiters constantly coming to the campus to hire shows the promise and reputation that the students have built for the University.

Atlassian offered package of 51.5 CTC, came for the first time and hired 9 students, the highest number from any university in India in this season. Microsoft IDC has offered 20 Full time and 40 summer internships-2021 offers. Google visited IGDTUW campus for Kickstart Roadshow, both in 2019, when it was held on campus and this year in September 2020, when it took place virtually. This event received an overwhelming response from the girls at IGDTUW, who showed great zeal, enthusiasm and technical abilities.

This summer 2020, three students, Isha Gautam, Jap Leen Kaur Jolly and Ria Arora, interned at Google as Software Engineering Interns. We re glad to share that Jap Leen Kaur Jolly has also received an offer to join Google as a full-time Software Engineer in 2021. She is the Director at Women Who Code Delhi and an evangelist at Delhi Women in Machine Learning and Data Science. She was also a part of the winning team for Smart India Hackathon 2019 and was also a Facebook F8 scholar. Two girls from the University, Karishma Singh Chauhan and Ananya Jain, bagged a STEP internship 2020 offer from Google. We re excited to share that both of them have now been offered a return internship for 2021 as Software Engineering Interns. Apart from them, two students, Sanchi Bisht and Sara Anwer, got direct on-campus Software Engineering Internship offers for 2021 from Google.

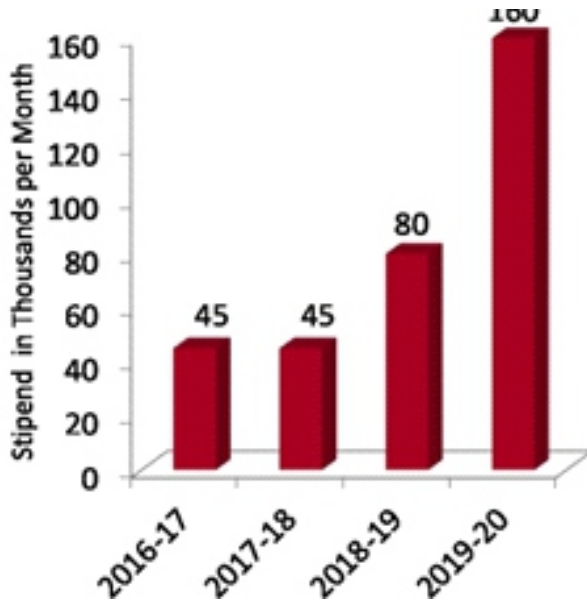
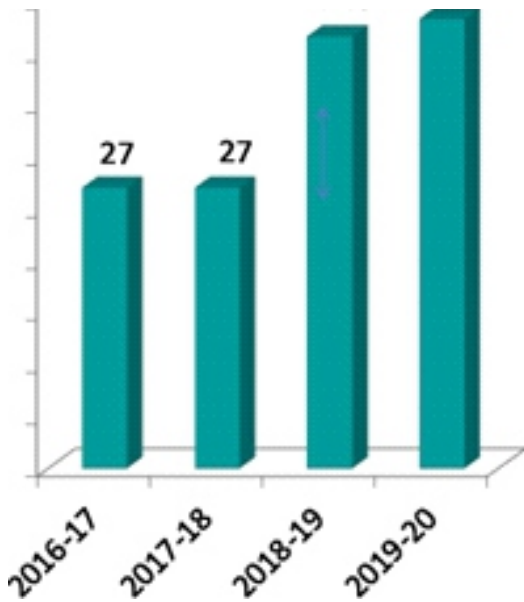
## PLACEMENTS AT A GLANCE (2019-2020)

Name of the Company	Full Time Offers	CTC (Full Time)	Internship Offers	Total no of Offers
Microsoft IDC	8	43,00,000	15	23
Goldman Sachs	12	23,00,000	13	25
Uber	2	34,68,000	1	3
Salesforce	3	31,80,000	3	6
Google	2	30,00,000	2	4
LinkedIn	1	20,90,000	3	4
Intuit	4	25,16,000	3	7
Walmart	16	18,50,000	11	27
Flipkart	5	23,84,000	4	9
Adobe	3	43,17,000	8	11
Kronos	5	15,35,000	0	5
Deutsche Bank	4	14,30,000	6	10
Morgan Stanley	0	-	3	3
Go!bibo	6	18,00,000	0	6
Sap Labs	7	20,60,000	8	15
Sandisk	7	18,00,000	8	15
American Express	7	13,27,000	5	12
Accenture	26	6,50,000	0	26
Cisco	14	29,00,000	14	28
VISA	1	15,39,000	0	1
Baxter	5	10,00,000	0	5
Expedia	6	12,83,000	5	11
Eaton	2	6,25,000	2	4
CVent	1	15,10,000	0	1
Philips	10	7,50,000	0	10
InfoEdge	5	12,50,000	0	5
Media.Net	0	30,00,000	1	1
NetApp	3	18,00,000	5	8
Ion	1	12,00,000	0	1
Ather Energy	1	7,00,000	0	1
Oracle	14	9,00,000	0	14

<b>Dell</b>	20	8,00000	0	20
<b>Cyber Group</b>	3	4,50000	3	6
<b>ThoughtWorks</b>	3	8,00000	0	3
<b>Wheelseye</b>	1	13,00000	1	2
<b>Citrix</b>	1	24,50000	4	5
<b>Tata Motors</b>	4	7,00000	0	4
<b>ThoughFocus</b>	5	5,50000	5	10
<b>MG Motors</b>	1	6,00000	0	1
<b>Sapient</b>	3	5,00000	0	3
<b>Altran</b>	2	4,50000(M. Tech),	2	4
<b>Libsys</b>	1	5,00000	0	1
<b>Fractal Analysis</b>	3	10,50000	0	3
<b>IBM</b>	11	7,25000/7,85000	0	11
<b>Macquarie</b>	4	11,00000	0	4
<b>Harman</b>	1	9,00000	0	1
<b>EagleView</b>	0	11,00000	0	0
<b>Samsung</b>	2	12,00000	0	2
<b>Grofers</b>	3	16,00000	0	3
<b>Optum</b>	8	7,15000	10	18
<b>McKinley and Rice</b>	0	6,50000	0	0
<b>Sheroes</b>	1	9,00000	2	3
<b>Newgen</b>	0	4,25000	0	0
<b>ToTheNew</b>	1	4,50000	1	2
<b>Ericson</b>	14	5,75000	0	14
<b>Orange</b>	3	8,50000	0	3
<b>Synopsis</b>	2	13,00000	0	2
<b>Myntra</b>	0	-	8	8
<b>Mobiquel</b>	0	-	2	2
<b>Craterzone</b>	2	3,60000	1	3
<b>Yamaha</b>	1	6,00000	1	2
<b>Nagarro</b>	0	4,00000	0	0
<b>Mobikwik</b>	4	8,50000	0	4
<b>Comviva</b>	3	6,63000	0	3
<b>Elucidata</b>	1	7,00000	1	2
<b>NIIT</b>	4	3,50000	0	4
<b>PwC</b>	6	5,86000	0	6
<b>MyKaarma</b>	0	29,00000	0	0
<b>Amazon AWS</b>	2	19,00000	0	2
<b>Amazon SDE</b>	0	30,25000	7	7

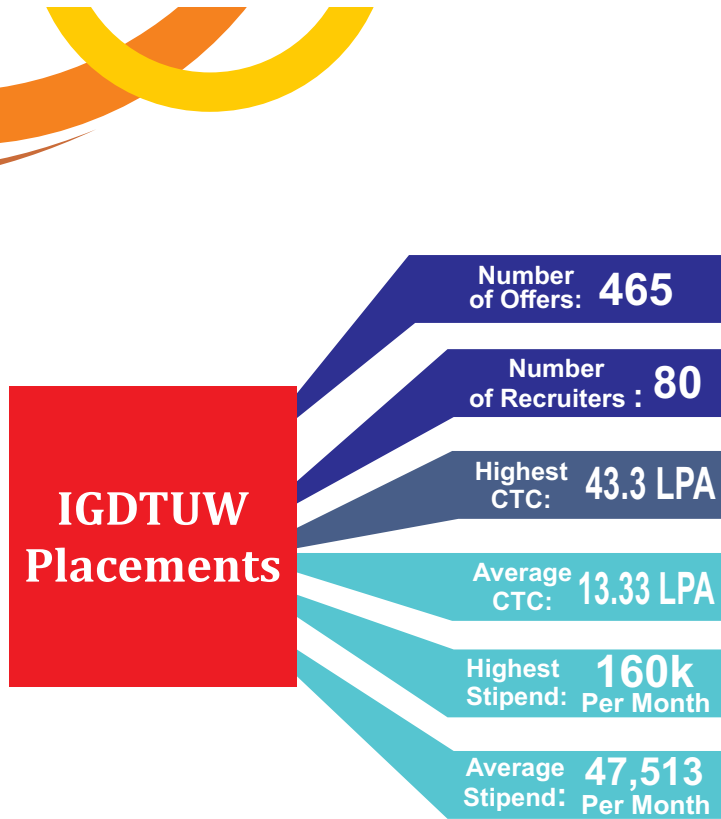
TCS Ninja	10	3,50000	0	10
TCS Digital	4	7,30000	0	4
Qualcomm	0	-	1	1
Jaro	0	12,00000	0	0
Infosys	2	3,75000	0	2
Mahindra	1	6,50000	0	1
& Mahindra				
NxP	1	14,00000	0	1
ZS Associate	1	12,00000	0	1
ARM	0	-	4	4

## Highest CTC and Stipend Offered



**Year Wise Highest CTC and Stipend Offered**





Full Time Offers: 277  
 Internship Offers: 173  
 Pre-placement offers : 43

Highest CTC Offered by Microsoft IDC

Highest Stipend Offered by Uber

In addition to spectacular placement for its students, IGDTUW actively promotes research collaborations for both students and faculty members at the Undergraduate as well as Post-Graduate level by providing the best resources and modern facilities. Delivering quality education along with hands-on learning experience, which helps in the development of technically sound, trained, industry-ready manpower, has been one of our primary goals, and our placement records reflect on the success of our initiatives.

The overall placement for the Undergraduate Engineering students across various technical and non-technical industries, including some of the very high-end ones, has been very impressive.

Having received distinguished opportunities for Higher Studies in renowned Universities of the world and presentation of research papers in International Conferences like IEEE UK, our alumni have left no stone unturned to make a spot for IGDTUW on the global map.

## PLACEMENTS HIGHLIGHTS FOR THE STUDENTS OF MECHANICAL & AUTOMATION ENGINEERING

Placements of the students of Mechanical and Automation Engineering (MAE) Department in the University are immensely encouraging. Every year, the placement and Internship offers are increasing constantly. The Department of Mechanical and Automation Engineering of the University is well associated with reputed companies like Exxon Mobil, Maruti Suzuki, Honda Cars, Bajaj Automobile, MG Motor, Technip FMC, Baxter, Tata Motors, Saint Gobain, Nestle, Eaton, HUL, Ather Energy, Siemens, Honeywell, Cameron, McDermott, Fluor Daniel, ISGEC, NBC Bearing and many more.

In spite of pandemic hitting the industries with full force, the placement session of 2020 has been successful on full-swing. The

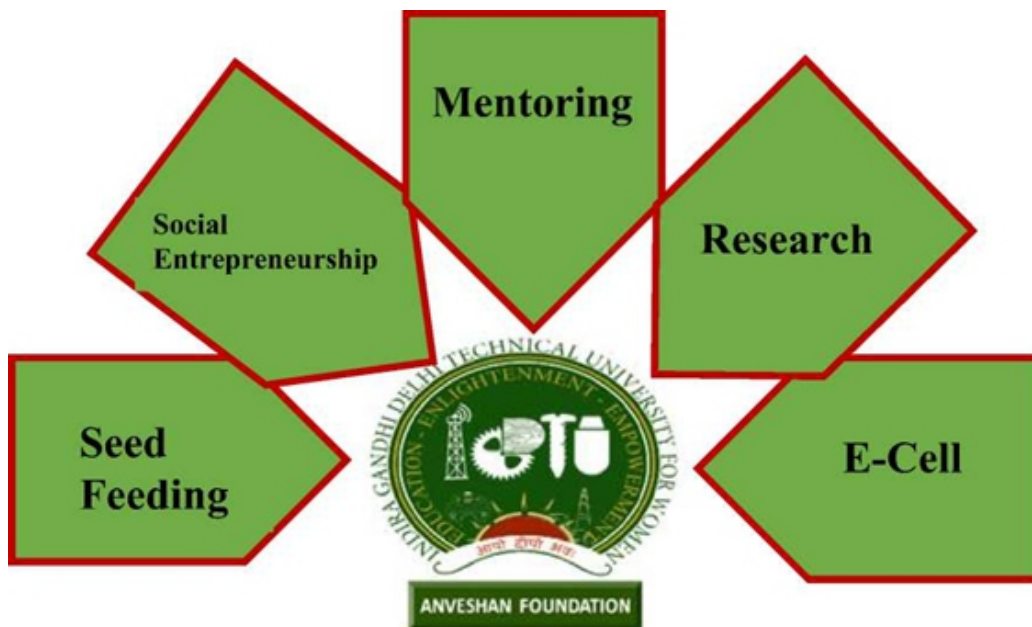
companies that have visited so far or are still in process are Amazon, Bajaj, Volvo, Eaton, ISGEC Heavy engineering LTD, MG Motors, GE, Technip FMC, Beckon Dickinson, Hindustan Unilever Ltd, ZS, Accenture, Anand-Spicer India, Flipkart, Collegedunia, Wabtec, Gabriel India, Medtronics, LAM research, Capgemini, DXC Technologies.

The highest package offered so far has been 13.43 LPA CTC for Full Time and 60,000 per month for 6-months Internship. Till now 17 students have been placed in Full Time and 26 students have been placed in 6 months Internship.

COMPANY NAME	NO. OF STUDENTS PLACED	PACKAGE OFFERED (per annum)
*Amazon	13	60,000 pm
Bajaj	4	9,08,000
MG Motors	2	6,00,000
*General electronics	1	20,000 pm
Hindustan Unilever Limited	2	7,00,000
ZS	5	13,43,000
*Anand-Spicer India	2	10,000 pm
Collegedunia	4	9,00,000
*Wabtec	4	30,000 pm
*Medtronics	1	20,000 pm
*Veolia	2	20,000 pm
*Gabrielle India	3	10,000 pm

Note :- [\*] Internship Offers

## IGDTUW INNOVATION CENTRE ANVESHAN FOUNDATION



### A BUSINESS INCUBATION CENTRE OF IGDTUW

Indira Gandhi Delhi Technical University for Women has promoted and incorporated a separate Section 8 Company under the company's act 2013 to propagate Entrepreneurial Culture and Ecosystem among Women. IGDTUW-Anveshan Foundation was incorporated on 13th October 2016 and is funded by Directorate of Training and Technical Education (DTTE), Government of NCT of Delhi. It is also recognized by Department of Science and Technology (DST), Government of India as **Technical Business Incubator (TBI)**.

Dr. Amita Dev, Honourable Vice Chancellor IGDTUW is the 'Chairperson' of IGDTUW Anveshan Foundation. Prof. Arun Sharma, HoD, IT is the Managing Director of Anveshan Foundation. There are senior Professors of IGDTUW serving as Directors for providing mentorship to the start-up's Women aspirants. Dr. V K Arora has been working as the Chief Executive Officer (CEO) of the company since its inception.

The Incubation centre is facilitated with four ventures of development cycle: -



In Pre-incubation, activities related to Motivation, Ideation, Innovation, MVP, PoC, PoV, Feasibility, Prior Art, Intellectual Property Right, Pitching Deck, Business Plan and Presentation skills are provided to the participants by the Incubation Center. There are total thirty student members in the E-Cell. In the last two years many activities and events have been organized by the E-Cell which include Workshops, Boot-camps,

Hackathons, Industrial visits, Inter college-university competitions, Management Development Programs. CISCO has established complete IoT and robotics Lab 'thingQbator' for Innovation through its CSR funds in the year 2018. More than fifty projects in three cohorts have been completed under this initiative.

**Total twelve companies are working as start-up Incubatees, all comprising of Women enterprises with IGDTUW Anveshan Foundation.** The Incubation Centre is equipped with fully furnished air-conditioned office space, complete ICT and free consultancies in technical, business and strategic front to all its Incubatees, also providing support in Marketing, Regular Product Development, Supply Chain, franchise models and bargaining with Investors. In the Post-Incubation phase, hand holding support continues from Anveshan

Foundation in Consultancy, Laboratories & Innovation support and Portfolio Management.

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

### ACTIVITIES/EVENTS/COLLABORATIONS/MOUS: -

- Anveshan Foundation has incubated a total of 12 Incubatees with seed funding of total INR 32.5 lakhs till date.
- Anveshan Foundation has collaborated through MoU/ Contract with NASSCOM Foundation, GiZ (German organization) for Strengthening Incubation & Start-up Ecosystem for Women Entrepreneurs under Pre-Incubation activities.
- Organized two days Hackathon (as Inter college - university Business Plan Competition) in three consecutive years where tremendous response was received from different colleges of Delhi NCR.
- In the year 2020 Anveshan has conducted twelve mentorship sessions, two boot camps, two business idea/ demo-day events, one CEO Meet and two training programs.
- A unique three months online course on 'Innovation & Entrepreneurship' was launched in the month of September 2020. More than 100 participants have registered for this course.
- Our Incubatees' success stories have been covered in Primetime of DD, ZEE, Harvest Channels and leading newspapers.
- Our two Incubatees' ETI Labs Private Limited and Nature Fabtech Private Limited has crossed turnover of INR 20 Lakhs individually.
- Manasi, director of ETI Labs received Gandhian Young Technology Innovation (GYTI) award by Dr. Harsh Vardhan in July 2019.
- Ms. Dipti Chourasia was selected in Aspiring Women Entrepreneurship and got two weeks training in Austin Texas.
- SteamEdu Learning is continuously conducting training programs in all the domains of STEAM pan India including areas like Leh Ladakh. Promoters of the company had got appreciation from DRDO Leh - Dihar (Defence Institute of High Altitude Research) for Social Work among women/ girls.
- Nature Fabtech got two export order from USA in the month of November 2019 for bamboo fabric made infants clothing.
- Provotex Resources designed more than 20 patterns of its own jute bags for various purposes.

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

# NATIONAL AND INTERNATIONAL COLLABORATION WITH ACADEMIA AND INDUSTRY

In the last couple of years IGDTUW has given a special impetus on building research facilities augmented by funding from various National and International funding agencies. Many new labs have been added in various departments during this year. Resources have been generated by the faculty through sponsored research projects 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 research and development and to share the knowledge for mutual benefits on various socio-economic issues.

IGDTUW is currently partnering with several Universities to promote various forms of Academic Collaborations with institutions as well as Industry for improvement in performance of the students, knowledge updating of faculty, bridging gaps between academia & industry, better placements and higher studies opportunities for students. Few of our prestigious collaborations worth mentioning are:

- Department of Science and Technology has selected IGDTUW for building Centre of Excellence in Artificial Intelligence.
- Collaboration with United Kingdom Research and Innovation, Centre of Ecology & Hydrology, CEH, UK.
- NASSCOM & CISCO for setting-up of thing Q bator Innovation lab.
- M/s. Flour Daniel for setting-up of Turning Lab under CSR activities.
- 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.
- Cyber Peace Foundation for setting up of Centre of Excellence in Cyber Security.
- EATON Foundation for Internship placement and Scholarships to the students.
- MoU with Deutsche Gesellschaft fuer Internationale Zusammenabert (GIZ).
- MoU with IBM India Private Ltd. for Academic Growth and Technological Advancement.
- 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.
- Women in Big Data™ (WiBD) is a global not-for-profit global organization out to champion the success of Women in Big Data and to increase women's representation in Big Data - launched in association with IGDTUW.
- MoU with Amazon signed by Department of Information Technology.
- MoU with Enobble IP for facilitating activities pertaining to intellectual property to staff and students and Incubatees.

## Collaboration with Delhi Govt. Departments

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

## RESEARCH AND DEVELOPMENT ACTIVITIES AT IGDTUW

The University has been on the mission to promote high quality scientific research in the frontier areas of Engineering, Science 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 needs of our society helps in building the knowledge economy of our country. Indira Gandhi Delhi Technical University for Women (IGDTUW) 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.

### Sponsored Research Projects of various Departments in IGDTUW in the Recent Past are as follows:

- **MOES, India and NERC, UK Collaborative Research Project**

This project is under Indo-UK partnership to facilitate cooperation between the UK and Indian Earth System Science and Environmental Research Communities. Project is a part of **Ministry of Earth Sciences (MOES)** and **Natural Environment Research Council** of the UK (**NERC**) Implementation agreement on **Atmospheric Pollution and Human Health in an Indian Megacity (APHH)**. IGDTUW is an official Collaborator in the project with University of York, University of Manchester, University of Lancaster, University of Birmingham and Centre of Ecology and Hydrology, U.K. in the project and equipments of worth Rs.30 crores were installed at IGDTUW to carry out research

- **CURIE Grant for IGDTUW**

CURIE (Consolidation of University Research for Innovation and Excellence in Women Universities) grant is to develop state-of-the-art infrastructure in women universities in order to attract, train and retain promising girl students in STEM domain.

The funding agency Department of Science and Technology sanctioned a total fund of 3.63 Crores for the duration of 3 years starting from 2018 to IGDTUW.

## WORKSHOP, SEMINARS/WEBINARS, FACULTY DEVELOPMENT PROGRAMS

During this unforeseen time of COVID 19 time, IGDTUW has been able to organize various Webinars, Faculty Development Programme, Workshops and Seminars making full utilization of online platforms and reaching to the students and researchers across the world. Some of notable events are under mentioned:

- Summer Internship on “Building Intelligent Applications” in collaboration with IBM from 15th June to 31st July, 2020.
- Summer Internship on “Data Science and Machine Learning” under ACM Students Chapter from 15th June to 31st July, 2020.
- Summer School on “Design Thinking” under CISCO thingQbator from 15th June to 31st July, 2020.
- International Workshop on “Artificial Intelligence and Speech Technology(AIST)” from 17th -21st August, 2020.
- ATAL AICTE sponsored Faculty Development Programme (FDP) on “Deep Learning and Artificial Intelligence” from 21st -25th September 2020.
- Workshop on “Data Science- Research issues and Applications” organized by Department of CSE from 10th Jan to 11th Jan, 2020.
- Webinar on “IoT and its Practical Applications 2020” in association with DIC-MHRD organized by Department of CSE from 24th -25th July 2020.
- Faculty Development Programme (FDP) on “Deep Learning Algorithms for Medical Image Processing” organized by Department of ECE from 20th -24th Jan 2020.
- Workshop on “Solid Works and Ansys” organized by Department of MAE on 22 January 2020.
- Eco Niwas Samhita workshop was organized in collaboration with Price Water House Cooper by Department of Architecture and Planning, on 24th July 2020.
- “Master class on Self Compassion – the Transformative Power of Being Kind” was organized by Department of ASH on 26th June, 2020.
- Competition “Gandhi Young Innovative Idea-2020” was organized by Anveshan Foundation on 2nd Oct. 2020.

## IGDTUW- FACULTY ACCOMPLISHMENTS

- **Dr. Jasdeep Kaur Dhanoa** was selected for the prestigious **International Visitor Leadership Program (IVLP-2019)**, sponsored by **the United States Federal Department, Bureau of Educational and Cultural Affairs from October 7-25, 2019**. The title of the Project was **Advancing Women in STEAM Fields**. She visited Washington DC, Seattle, Akon-Ohio, Boston, New Orleans.
- Dr. Preeti Vajpeyi was welcomed in **"Mega Hall of Fame"** by **Civil Society Magazine**, a renowned magazine focusing on the initiatives taken by individuals and NGO for larger societal good on September, 2019. She was awarded for her work with NGO Vinyas Society in field of Education.
- Dr. Preeti Vajpeyi was awarded **"Anant Gunwant Samman"** by Kalachaya, Pune for lifetime contribution to education in January 2020.
- Dr. Preeti Vajpeyi, was invited to train **IAS officers at LBSNAA, Mussorrie**, in Design and Development of Social Infrastructure like schools and Aaganwadis in 2019 and 2020.
- Ar. Preeti Chauhan was invited for a cover story editorial in an Interiors and Decor Magazine's Feb-Mar' 2020 issue under Cover Story - **"The Women Who Are Making A Difference!!"**



## IGDTUW- STUDENT'S TRIUMPH

- Alumnus Ms. Navneet Mann secured 33rd rank in UPSC civil services exam held in 2019.
- Harshita Kalsi, student of ECE batch 2020 received prestigious "**Richard E. Merwin Student Scholarship**" for spring 2019 comprising of \$1000 cash grant.
- Manibha Sharma, student of ECE bagged **the first position and awarded cash prize of Rs.50,000/- in the VLSI Design Contest**" as a part of 32nd International Conference on VLSI Design and 19th International Conference on Embedded Design.
- **Team Shakti** of MAE Department brought laurels for the University in "**Bike Competition**" held at O.P.Jindal University, Raigarh, Chhattisgarh from 13th to 16th January 2020.
- Sheryl Gupta, student of B.Tech.ECE was invited to attend **Harvard Asian Project for international relations, Asia conference, Kazakhstan**. She was among 300 delegates who were selected across the world.
- Ms. Pooja, student of M.Tech. ISM was invited to attend "**7th HEIDELBERG LAUREATE FORUM Event in Germany**" organized by ACM. She was among 200 students who were selected across the world for attending the event.
- Shambhavi Chaturvedi, student of 3rd Year MAE, won "**Eaton Pratibha Scholarship Award**" that aims to recognize exceptional women engineering students with a cash prize of INR 56,000.
- Shreya Dhawan won **National Mech-Aura 2019-20 competition** and received a cash prize of **One Lakh** organized by **Collins Aerospace** in January, 2020.
- Vaishali and Katya Sah, students of 3rd year MAE department bagged the "**Kalpna Chawla Scholarship**" for the year 2019- 2020 by **SAEINDI Foundation**.
- Khushbu and Muskan Verma, students of B. Tech ECE, were awarded for presenting a lightest weight vehicle in dynamic round of **E-Bike Racing Challenge 2020**.
- **OSA Student Chapter (International Chapter)** received the "**Diversity and Inclusion Grant-2020**" of \$2000 on "International Women Day in Science" 11th Jan., 2020.
- **Monika Kumari**, a M. Tech Student of Department of Information Technology, IGDTUW, became the first woman in India to get the Financial Services Information Sharing Analysis Centre (FS-ISAC) Cyber Security Scholarship worth USD 10,000.

## IGDTUW- CENTRE OF EXCELLENCE

In order to foster a culture of research and innovation, IGDTUW is setting up following Centre of Excellence (CoE).

- **Centre of Excellence in Advanced Mechatronics (COE-AMS):**

Inspired by the demands of Industrial Automation, the Centre of Excellence (CoE) in Advanced Mechatronics System has been setup at the University with support from Delhi Knowledge Development Foundation (DKDF) with funding of Rs. 8 Crores. The CoE is aimed to provide the state-of-the-Art high speed computation facility for sophisticated Laboratories for CAD- Computer Aided Design for Mechatronic Concept Design, Robotics Virtual Programming, Virtual Commissioning (virtual PLC controller) and integration with equipment's for Mechatronics

Hardware Design for Industry Automation, Digital Twin, Industrial Internet of things, Rapid Prototyping, CNC and Robot Programming to train and prepare students as per Industry 4.0 expectations and also to provide an opportunity for promising research and innovations. Manufacturing Industry is witnessing rapid changes in control technology and there is buzz about artificially intelligent systems that can be monitored and controlled from far remote locations. Industry has requirement for trained personnel specialized in Industry 4.0 technologies. Advanced Mechatronics is an area which is expected to witness a major requirement of trained manpower in near future and without this knowledge, mechanical engineer will become unfit for employment in production houses.



- **Centre of Excellence in Artificial Intelligence (COE-AI):**

IGDTUW has established Centre of Excellence in Artificial Intelligence with funding of Rs. 7.5 Crores from the Department of Science and Technology, GOI. Under the magnanimous leadership of Dr. (Mrs.) Amita Dev, Honourable Vice Chancellor IGDTUW, avant-garde and state of the art infrastructure with computing facilities/Research Centers with modern AI-enabled infrastructure facilities to enhance functional efficiency for Teaching, Research, and Innovation purposes have been created under COE - AI. It will Encourage, Engage and Involve student innovators, young research

scholars, and faculty members to have heuristic knowledge on AI-based Technologies, Design and develop intuitive technological solutions and produce good quality research in the AI related areas of projects, and benefit 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 Undergraduate, Post-graduate, and Doctorate programs in the domains of AI, Machine Learning, and Deep Learning and various applications including Robotics, Drones, NLP and others. from Department of Science & Technology (DST), Government of India.

## GLIMPSE OF CULTURAL AND TECHNICAL EVENTS AT IGDTUW

IGDTUW is committed to make the students educational experience multifaceted and holistic. This commitment is very evident with providing ample cultural events round

the year, holding sports meets, encouraging and facilitating students' participation in National and International level competitions.

### Taarangana 2020

IGDTUW is committed to make the students educational experience multifaceted and holistic. This commitment is very evident with providing ample cultural events round the year, holding sports meets, encouraging and facilitating students' participation in National and International level competitions.

**TAARANGANA** provides a platform to all students to showcase their talents in various cultural art forms. It includes events like Anhad, Aaghaz, Knights of the Fall, Lilac Dreams, Campus Princess, Mr. and Ms. Taarangana, Rangmanch, Pop Art, Synnove, Moodle Doodle, Urban Thump, Pitch perfect and many more.



**The theme for Taarangana'2020 was "Minerva: A Talent Tapestry"**

The highlight of Taarangana 20 was the pro night with the singing sensation, Darshan Raval, DJ Moctave, stand-up comedians, Sahil Shah and Rahul Dua, followed by an energetic and enigmatic Vanmoon by VH1 SuperSonic.

The objective of the fest was to provide a platform to all students to showcase their talents in various cultural art forms. The two days of excitement beginning from the inaugural on 30th evening continued on 31st

January and 1st February, 2020. Taarangana saw a tremendous footfall, incredible participation, and an exciting response from students all across Delhi NCR. Among the plethora of successful events were Antraa, Anhad, Aaghaz, Knights of the Fall, Lilac Dreams, Campus Princess, Mr. and Ms. Taarangana, Rangmanch, Pop Art, Synnove, Moodle Doodle, Urban Thump, pitch perfect and many more events which attracted more than 20000 students in the span of two days.

## Innerve 2020

INNERVE in IGDTUW was incepted in 2015. It witnesses two-day extravaganza with huge gathering of students from various universities and colleges to participate in the plethora of technical events.

Innerve, the Annual Technical Festival of IGDTUW, is a true mixture of Technology, Inspiration, and Innovation. During the ongoing COVID-19 pandemic, Innerve'20 went online. Innerve'20 had over 35 events, workshops, hackathons, and over 5000 registrations from all over India. Innerve

prides itself for being inclusive. For beginners, Innerve'20 introduced many workshops. Innerve collaborates with prominent sponsors to incorporate cutting edge technologies into the program. Among other highlights, the Learn with Innerve 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 Innerve'20.



The theme of Innerve'20 was "Error 404:Tech Not Found", to celebrate the technologies that never saw the light of the day, ideas that never came to fruition. Innerve'20 had a whole treasure trove of fun and learning events of various categories. There were mesmerizing participation/events form all the

departments of IGDTUW. All in all, this two-day festival of technology became 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.

## SPIC MACAY

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

The SPIC MACAY chapter of IGDTUW organized a miraculous Hindustani Classical Vocal Music recital by one of the most renowned Vocalists of all times -Smt Sunanda Sharma, a disciple of the legendary Padma Shree awardee vocalist of Benaras Gharana Vidushi Dr. Girija

Devi, on 3rd Nov 2020. She was accompanied by Shri Krishan Kumar on Tabla and Shri Bulle

Shah on Harmonium on the stage. Sunanda Ji commenced the mesmerizing event with her first music piece, which was an offering to her Gurus and the Almighty. She then spoke about various repertoires like Thumri, Thappa, Chaitis, and Dadra following which, she graced the event with beautiful compositions like 'JaaJaa Re Apne Mandirwa', 'Teri Ankhiya Raseeli' and some folk songs of Punjab, Haryana, and Himachal Pradesh. But this not the only enthralling part of the evening, what added to the charm of her voice was her insightful notions on the importance of "Desire to Learn" and "Consistent Practice" as the mantra to master any art form.

## IGNITE - Annual Sport Meet

In 2019, IGNITE kicked off with its first sports day at IGDTUW with an enthusiastic zeal and energy. It is a huge event in which the University organized various inter-college sports competitions, such as basketball, volleyball, badminton, table tennis, 4x100 relay, 4x400 relay and 100mt-400mt races.

IGNITE-2020 was held at JLN Stadium on 16-17 February 2020. SAI affiliated referees were invited to conduct and evaluated the sports event. About 400 students from various colleges participated in the sports meet.



## UNNAT BHARAT ABHIYAN (UBA-Cell) IGDTUW

UNNAT BHARAT ABHIYAN (UBA)- CELL, IGDTUW is a platform for transformational change in village development. It aims to work

with the people of village in identifying development



challenges through survey and evolving appropriate solutions for accelerating sustainable growth. UBA -Cell have been very

active throughout the year and have adopted 5 villages under the initiative.

## GLIMPSE OF ACTIVITIES UNDER UBA

- **The UBA Cell, IGDTUW Team** attended a two-day national workshop, under UBA, on 21st and 22nd January, 2020, organized by UGC, on fostering social responsibility and Community engagement in Higher Education Institution in India held at ISID, Vasant Kunj, New Delhi.
- A painting competition was held at the local govt. girls senior secondary school on the theme of Save water on 6th March 2020 with around 200 participants in the event. This painting competition aimed at spreading awareness about UBA and building a bridge between the locals of the adopted village and the UBA cell of the University.
- An awareness session was conducted on "Precautions in COVID-19 outreach" with the release of a video and a poster to explain the disposal of masks on 14th April 2020 with total of 500 participants making the event a huge success.
- An awareness session was conducted on "Precautions in COVID-19 outreach" with the video release to explain the various ways to boost immunity against COVID-19 on 3rd June 2020 with total of 400 participants making the event a huge success.

## IGDTUW Societies/Clubs

One of the best things about **University/College** life, undoubtedly, is getting to explore things other than academics. **University societies** are one such platform which help students to engage in different activities and help them to further hone their skills through rigorous participation in various creative fields of their interest.

There are innumerable societies present in IGDTUW which provides a holistic environment for girl students to engage and participate in the activities of their interest. IGDTUW believes that these societies bring in a platform for a Women empowerment among it's students and enhance their personal growth with exemplary work apart from just academic achievements.

By being a member of any society, IGDTUW students are expected to attend meetings, take part in discussions with other members, suggest ways on how to improve work quality etc. They also bear the responsibility to

organise various events and fests throughout the year. Society members also visit other Universities/Colleges and participate in the competitions being held there to represent their respective colleges at different levels. Moreover, societies also help to provide good exposure to the students as they are associated with various other reputed organisations and individuals, who can guide them efficiently.

Apart from this, students who are not members of a society can also bring out their creativity and showcase their talent in the various competitions, fests and events organised by a society in the University premises. Overall, the University society experience is fun as students form new friendships, get to meet like-minded people, and most importantly enjoy being part of something that helps them to learn practical things beyond the books as well as enhance their CV.



**(I) IGDTUW Management Societies/Clubs**

- HUUMANOID (The HR Society)
- ZOSH (Marketing Society)
- MUDRA (The Finance and Investment society), Department of Management
- SAMANVAY (Economics and Research society)
- VARTTA (Business New society)
- The Fine You (Mental & Physical Health Club)

**(ii) IGDTUW- Cultural Societies/Clubs**

- Synergy Sports Club
- Greensphere Society
- RAHNUMA- Dramatics Society
- B.H.A.V (Behold an Architect's View)- The Role Play Society of IGDTUW
- Zena- Fashion Society
- Hypnotics-Western Dance Society
- ANTARGAT - Creative society
- ROTARACT Club
- INSTINCT
- Techno Literate
- TARANNUM-Music Society
- OSA Student Chapter- The Optical Society

**(iii) IGDTUW- Technical Societies/Clubs**

- ACM Student Chapter
- Robolution
- LEAN IN
- CSI Student branch
- IEEE Student Chapter
- ENACTUS
- American Society of Mechanical Engineers (ASME) Chapter
- AI Club- Artificial Intelligence Hub

## 3<sup>RD</sup> CONVOCATION 2020- AWARD OF DEGREES AND MEDALS

This convocation ceremony is a day of celebration of dreams, desires and accomplishments for all the graduating students. All medallists deserve a special mention here as they bring pride and glory to the University. IGDTUW is pleased to inform

that the total number of degrees to be awarded in Convocation 2020 are 485 in Undergraduate, Post Graduate and Doctorate programmes.

### Graduated in Year 2020

S.No	Enrolment No	Course	Batch	Name	CPI
<b>Chancellor Gold Medal Recipient</b>					
1.	13901012016	B.TECH(CSE)	2016-2020	ANKITA RAI	90.27
2.	00302082018	M.TECH(R&A)	2018-2020	AMANDEEP KAUR	87.70
<b>Vice-Chancellor Gold Medal Recipient</b>					
1.	13901012016	B.TECH(CSE)	2016-2020	ANKITA RAI	90.27
2.	01901042016	B.TECH(MAE)	2016-2020	HARSHA CHAUBEY	86.31
3.	01001022016	B.TECH(ECE)	2016-2020	NAZISH ISLAM	88.69
4.	04501032016	B.TECH(IT)	2016-2020	APOORVA DHAWAN	88.11
5.	00206142015	B. ARCH	2015-2020	PRIYA SINGHAL	78.98
6.	03404092017	MCA	2017-2020	RISHIKA BHATIA	86.99
7.	01302052018	M.TECH(ISM)	2018-2020	PRERNA GOEL	86.91
8.	01502072018	M.TECH(VLSI)	2018-2020	NEETIKA	81.48
9.	00402062018	M.TECH(MPC)	2018-2020	KAVITA SHARMA	84.46
10.	00302082018	M.TECH(R &A)	2018-2020	AMANDEEP KAUR	87.7
11.	01303152017	M.TECH(ICT)(PT)	2017-2020	KHYATI KAPOOR	87.29
<b>Exemplary Performance Silver Plaque Recipient</b>					
1.	13901012016	B.TECH(CSE)	2016-2020	ANKITA RAI	90.27



## RESEARCH PUBLICATIONS

The faculty and students of our University have published over 120+ research papers, including Journal papers, Conference papers and Book chapters in the past one year. Our faculty members are frequently invited to National and International Seminars and

Conferences as experts & Keynote speakers. Many research papers have been published in very high impact factor journals and have won recognition in Nation

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