INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

Established by Govt.of Delhi vide Act 9 of 2012

INFORMATION BROCHURE 2018-19

Important Dates

Opening of Admission portal for receiving of online application for M.Tech /Ph.D program	8th May 2018(Tuesday)
Opening of portal for Admission to MCA	8th May 2018(Tuesday)
Closing of portal for Admission to MCA	20th June 2018(Wednesday)
Last date for submission of duly filled application form for Ph.D. Program	20th June 2018(Wednesday)
Last date for submission of duly filled application form for Post Graduate Program M. Tech (Full Time), M.Tech (Part Time)	30th June 2018(Saturday)
Uploading of information regarding conduct of the RAT Exam (if conducted) in the concerned subject, on the University website.	27th June 2018(Wednesday)
Conduct of MCA written test	30th June 2018(Saturday)
RAT-Research Aptitude Test (If conducted)	3rd July 2018(Tuesday)
Result declaration and uploading of list of candidates called for 1st counselling for MCA	6th July 2018(Friday)
Display of qualified candidates for 1st counseling for M.Tech Full Time / Part Time Programs	10th July 2018(Tuesday)
Result of RAT- Research Aptitude Test Examination (If conducted)	09th July, 2018(Monday)
1st Counselling for MCA	13th July 2018(Friday)
1st Counselling for M Tech (Full Time- Four Programs: MPC, VLSI,ISM,R&A)	17th July 2018(Tuesday)
2nd Rank List display for MCA	18th July 2018(Wednesday)
Display of qualified candidates for 2nd counseling for M.Tech Full Time	20th July 2018(Friday)
Interview for Ph.D Program (for all Departments)	16th -25th July 2018
2nd Counselling for MCA, M Tech (Full Time- Four Programs: MPC, VLSI,ISM,R&A) and 1st Counselling M.Tech(ICT) Part Time Program	24th July 2018(Tuesday)
List of shortlisted candidates after interview in Ph.D program called for Counselling to be put up on University Website	26th July 2018(Thursday)
PhD Counselling	30th July 2018(Monday)
Formally Notified Last date of withdrawal of Admission – MCA/All M.Tech Programs/ All PhD Programs)	31st July 2018(Tuesday)
Spot Round* for MCA/M.Tech/PhD (if any Vacancy remains)	6th August 2018(Monday)

* All the candidates who will appear in the spot round will have to pay application fee of Rs.1000 besides the annual fee. No Fee will be refunded to candidates securing Admission in Spot Round

Note: For Admission to B.Tech & B.Arch programs, the candidate may refer JAC website.

Deputy Chief Minister's Message

I am happy to announce that the first Technical University for Women in Delhi, Indira Gandhi Delhi Technical University for Women (IGDTUW) has completed five years. Women engineers, graduated from this university are contributing immensely to the knowledge economy within India and abroad.

In today's globalised economy, women engineers contribute equally in the development and progress of the nation. Therefore, it is our duty to seek ways and means to encourage and integrate the women of our country in every sphere. Women are actually our biggest strength both socially and economically, as Swami Vivekananda emphasized, that the downfall of a nation is caused due to discriminatory treatment of women. Therefore, it is important to educate today's Women and empower them by providing equal opportunities.

I feel proud, that Delhi government is diligently working in this area by strengthening higher education system for women, thereby, making them employable and financially empowered. Indira Gandhi Delhi Technical University for Women (IGDTUW) is one such university which is fully funded by Govt. Of Delhi, where women engineers pursue quality technical education and get placed in prestigious blue chip companies like Amazon, SAP, Oracle, Microsoft, TCS, Honda, IBM, etc.

It is heartening to learn, that the girls of IGDTUW have won several technical competitions, Car Design contests, e-rickshaw design contests and Hackathons at national and international level.

I would like to congratulate the entire team of the university for their constant efforts in improving the ranking of the University. My message to young female aspirants taking admission in this university is to be distinct, focused and triumphant in all spheres of life. They should explore and consider various options and courses being offered by IGDTUW in the field of Architecture, Engineering and Sciences at Under Graduate, Post Graduate and doctoral level.

(Manish Sisodia)
Deputy Chief Minister
Govt. of NCT of Delhi

Founder Vice Chancellor's Message

The Indira Gandhi Delhi Technical University for Women (IGDTUW) is the first technical University for Women, established by Govt. of Delhi in 2013, with excellent faculty and modern instructional facilities. Its heritage campus located in the heart of Delhi consists of academic buildings, the auditorium, Computer Centre, Sports facilities, Library and dispensary. The University provides Science, Technology, Engineering and Mathematics (STEM) education at Under Graduate, Post Graduate and Doctoral levels.

As a founder Vice-Chancellor of IGDTUW, our goal is to start new educational programs, promote research culture on campus, encourage creativity and the spirit of innovation among students and teachers. Our aim is to build strong industry alliances and partnerships in order to provide quality technical education to the women of our country and inculcate leadership qualities and entrepreneurial skills among them.

In a short span of time we have forged alliances with Industries like Nokia, Fluor Daniel, Intel, Atmel, ARM, Microsoft, Mahindra and Mahindra, to name a few. The University has also been recognized by UGC under Section 22 to award UG, PG and PhD. Degrees.

Our M.Tech programs are designed to prepare industry ready engineers in the area of Mobile Computing, Cyber Security, Robotics and VLSI design.

With a view to promote socially relevant research in various branches of Engineering, Sciences and Technology, the doctoral programs of IGDTUW were launched in 2014. The Ph.D program provides the candidates with research opportunities in the frontier areas of Science and Technology and develops an inquisitive and pragmatic approach towards the societal and industrial needs.

Applications are invited to B.Tech, B.Arch. M.Tech, MCA and PhD programs for the session 2018-19. Our mission is to empower the women with value based technical education and enable them to become entrepreneurs, innovators, thorough professionals, enlightened individuals, financially independent and good human beings, focussed on maintaining a work-life balance.

(Prof. Nupur Prakash)

Founder Vice Chancellor, IGDTUW

Pro Vice Chancellor's Message

"YOU EDUCATE A MAN; YOU EDUCATE A MAN.
YOU EDUCATE A WOMAN; YOU EDUCATE A GENERATION."

It feels great to be the wind beneath the wings of one of the top ranking Emerging Engineering Institutes of Technology in India. The devouring stride of IGDTUW, since its inception in 1998 as IGIT, has been exemplary, culminating in transforming itself into an icon for women empowerment. To be a vibrant part of this illustrious edifice of teaching and learning is certainly a matter of stupendous pride and a new-found privilege for me.

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.

The University offers a number of B.Tech, B.Arch, M.Tech and Ph.D programmes in faculty of Engineering and Technology. It also aims at teaching, training and elevating the students to an independent level where they can achieve higher level of excellence and professionalism.

The University is equipped with the state of the art Learning Resource Centre to support the learning and research activities of students and faculty. The renovated infrastructure, the qualified and experienced faculty members, latest equipments, instruments, Hi-end computers, teaching aids, multimedia, wi-fi connectivity required for modern day teaching create an edge over other universities. The hostel, the common room equipped with fitness equipments, yoga facility and indoor games, a guest house, the dispensary and banking facility conjure up a spell of being the most ideal campus.

Our university has always been a placement/ job utopia for our students. There has been an unprecedented boom in the visiting list of companies. Many of our students have been placed in renowned National and Multinational companies. We hope to retain and revitalize the placement hub.

With that note, I extend a warm welcome to the students joining the University and I envisage a very promising and successful professional career to them. My flights of fancy would revel to foresee my students in the guise of Savitri Jyotirao Phule, Pratibha patil, Kalpana Chawala ,Vineet Jain, Priya Paul, Suchi Mukherjee, Anisha Singh and a lot other women luminaries who have left their indelible footprints in the history of our nation.

(Dr(Mrs).Amita Dev)
Pro Vice Chancellor, IGDTUW

Registrar's Message

"Education is not the learning of facts, but the training of the mind to think.""

Albert Einstein.

It is my proud privilege and honor to be a part of Indira Gandhi Delhi Technical University for Women, Delhi (IGDTUW), which has made its presence felt not only in the academic fraternity but also in industry. Recently, "India Today" in its special issue on "India's best colleges" has ranked IGDTUW as 1st among Top Ten Promising colleges of India. In short span of time, the University has received a number of sponsored research projects from the leading Industry/organizations like Microsoft, ITRA, Nokia, Department of Science & Technology, Ministry of Electronics & IT, Govt of India and latest being the CURIE Grant amounting Rs. 3.63 crores from Ministry of Science & Technology. This has developed an environment of Research & Development in the University in true sense

The infrastructure of the University has been renovated providing the conducive environment for teachers and students to carry out their studies and research work. IT infrastructure of the University has been recently upgraded providing seamless wireless internet connectivity to students in secure environment.

The real achievement is not about how you start your journey but it's about how you finish your journey by sustaining to your goals, learning and unlearning various facts in the journey and practicing the profession with highest ethical standards.

I, with my committed and dedicated administrative officers/staff assure to provide all possible administrative support to all the young and budding engineering and architecture students of the university.

I wish all students of IGDTUW the very best in all their future endeavours and welcome you all to the first govt. women technical university of India i.e. IGDTUW.

(Prof.R.K.Singh)
Registrar, IGDTUW

Content

University at a Glance

Genesis / History

Indira Gandhi Delhi Technical University for Women (IGDTUW) was established by the Govt. of Delhi in May 2013 vide Delhi State Legislature Act 9, 2012, as a non-affiliating teaching and research University at Delhi. The aim of the university is to facilitate and promote studies, research, technology, innovation, incubation and extension work in emerging areas of professional education among women, with focus on engineering, technology, applied sciences, architecture and its allied areas with the objective to achieve excellence in these and related fields.

Vision

To make India a knowledge Society and a Knowledge Economy by empowering the women of our country, through education in Engineering, Science, Architecture and Technology. To become a leading technical University in the country known for its value based, quality technical education, 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 and Architecture, while striking out a work-life balance.

- To start new professional courses for women in sun-rise disciplines and form 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.

EDUCATION. ENLIGHTENMENT . ENPOWERMENT.

ADMINISTRATION

Name	Designation	Email-id	Contact No.
Dr. Amita Dev	ProVice Chancellor	provc@igdtuw.ac.in	011-23900220
Prof. R.K.Singh	Registrar	registrar@igdtuw.ac.in	011-23900221
Prof. Devendra Tayal	Dean , Academic Affairs	deanacademics@igdtuw.ac.in	011-23900228
Prof. SRN Reddy	Dean, Examination Affairs	deanexam@igdtuw.ac.in	011-23900260
Prof.Ashwini Kumar	Chief Proctor	chiefproctor@igdtuw.ac	011-23900300
Dr.Ranu Gadi	Dy.Dean, (Industrial Res & Development)	dydeanird@igdtuw.ac.in	011-23900234
Dr.Chhaya Ravikant	Dy.Dean, (Research & Consultancy)	dydeanrc@igdtuw.ac.in	011-23900222
Dr.Seeja.K.R.	Dy.Dean, Students' Welfare	deansw@igdtuw.ac.in	011-23900208
Prof. Devendra Tayal	Admission officer (PG & Ph.D)	admissions@igdtuw.ac.in	011-23900228
Prof.SRN Reddy	Admission Officer(UG)	ugadmissions@igdtuw.ac.in	011-23900260
Mr.Sunny.C.K	Deputy Finance Officer	dfo@igdtuw.ac.in	011-23900258
Dr. Ranu Gadi	Chief Warden (Hostels)	inchargehostel@igdtuw.ac.in	011-23900234

Department of Applied Sciences and Humanities
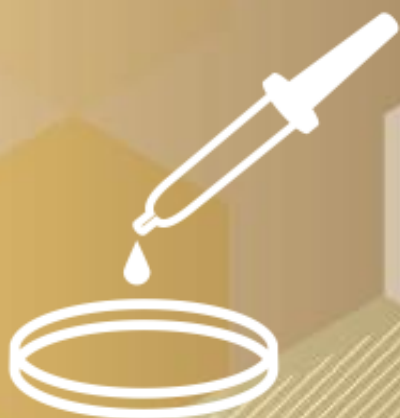
"There does not exist a category of science to which one can give the name Applied Science. There is science and the applications of science, bound together as the fruit of the tree which bears it"

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

The department 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.

Programs Offered

Ph.D(Physics, Chemistry, Maths, English)

Lab Infrastructure

Applied Physics Lab I

The lab hosts experiments based on Mechanics, Thermal Physics, Electronics and basic experiments on electricity and magnetism.

Applied Physics Lab II (Optics Lab)

The lab is housed in a Dark Room with experiments based on optics, ultrasonics and Lasers.

Applied Chemistry Lab

The lab is fully equipped to hold experiments on quantitative chemical analysis like volumetric titrations, conductometric titrations etc. Experiments based on thermo-chemistry and rate of reaction are also performed.

Environmental Studies Lab

The lab holds experiments on water analysis like DO, BOD, COD, TDS etc., spectro photometric determination of metals, soil analysis, particulate matter in the ambient atmosphere and polymer preparation.

Instrumentation Lab

This lab houses sophisticated instruments and provides state of the art analytical facilities to the students and researchers of the Institute.

In addition, the department provides cutting edge research, innovation and education in emerging areas of Science and Technology. The Department presently has three Research Labs:

- **Nanomaterials and Thin Films Lab**

  The lab has a Hind High Vac Thermal nanomaterials and thin films. Research work is presently being undertaken in application oriented thrust areas of nanotechnology like White Light LEDs, Surface Plasmonics and Nanocomposites.

- **Environmental Analysis and Research Lab**

  The lab is equipped for the measurement, processing and analysis of aerosols and organic pollutants in the ambient Atmosphere. Active research work is being carried out on emissions estimates of organic compounds from biomass and fossil fuels and in atmospheric aerosols. Work is also being undertaken on development of Nano-composites for remediation of trace metals in the water & waste waters.

- **Digital Image and Speech Processing Lab**

  The lab is equipped with Image Processing software and equipment like Matrox Image processing library and Pinnacle studio plus. The laboratory has a panoramic imaging lens and a stereo camera along with range of lenses and other optical research instruments.

Projects Completed

- "**Estimates of Indoor Air Pollutants Emitted from fuels used in residential sector of Northern India**", funded by CSIR, New Delhi , Funding received: 18 lakhs.
  Principal Investigator: Dr RanuGadi

- "**Investigation on Optical Properties of Si-ZnONanocomposites**" funded by UGC, New Delhi, Funding received: 8.5 lakhs.
  Principal Investigator: Dr ChhayaRavikant

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

- **"Multi-aperture Imaging"**, funded by DST, New Delhi, Funding received: 05 lakhs.
  Principal Investigator: Dr Dinesh Ganotra

- **"Panoramic Imaging"**, funded by UGC New Delhi, Funding received: 05 lakhs.
  Principal Investigator: Dr. Dinesh Ganotra

On-going Projects

- "**Spatio-Temporal Variability of Aerosols over National Capital Region (NCR), India**", funded by DST, New Delhi, Funding received: 52 lakhs.
  Principal Investigator: Dr Ranu Gadi

- "**Fabrication And Application Of Polymeric Nanoshots As Drug Delivery Agent For Cancer Imaging And Therapy**" Funded by Science & Engineering Research Board (SERB) Year: 2017 Duration : 3 years Funding Received : 25 Lakhs
  Principal Investigator: Dr.Nenavath Bhavani

Patents Granted

- "**A method of depositing thin films of metals and non metals**" Patentee: Prof.M.P.Srivastava, Savita Roy and Chhaya Ravi Kant , Patent no. 232763, Dt: 21/03/2009

- "A method of depositing thin films of non metals" Patentee: Prof.M.P.Srivastava, Savita Roy and Chhaya Ravi Kant , Patent no. 218110, Dt: 31/03/2008

Dr. Ranu Gadi

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

Qualification: Ph.D. (Chemistry) IIT Roorkee,

Post Doctoral Fellowship (Environmental Sciences) Lancaster University, U.K.

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

Teaching & Research Experience: 24 years

Dr. Chhaya Ravikant

Associate Professor & Dy. Dean (Research & Consultancy)

Qualification: Ph.D. (Physics) Delhi University

M.S. (Software Systems), BITS Pilani

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

Teaching & Research Experience: 23 years

Dr. Shalini Arora

Associate Professor & Head

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

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

Teaching & Research Experience: 19 years

Dr. Dinesh Ganotra

Assistant Professor

Qualification: Ph.D. (Physics) IIT Delhi

Areas of Specialization: Matlab , Digital Image Processing, Neural Networks JPEG ISO standard, JPEG 2000 ISO standard, JBIG PDF 417 2D barcode ISO standard, Pattern Recognition QR Code,WIN32 Programming, 3D computer vision

Teaching & Research Experience: 14 years

Dr. Geeta Sachdev
Assistant Professor
Qualification: Ph.D. (Mathematics) IIT Roorkee; M.Sc. (Mathematics)
IIT Roorkee
Areas of Specialization: Mathematical Programming, Nonlinear Programming
Teaching & Research Experience: 05 years

Dr. Bhavya
Assistant Professor
Qualification: Ph.D. (English Literature) University Of Allahabad
Areas of Specialization: Business Communication, Soft Skills, Diaspora
Literature
Teaching & Research Experience: 13 years

Dr. Bhavani Prasad
Assistant Professor
Qualification: Post-Doctoral Fellowship Zhejiang University, China
Ph. D. (Chemistry) IIT Roorkee.
Areas of Specialization: Materials Science, Nanotechnology and
Biotechnology
Teaching & Research Experience: 04 years

Mr. Dhanjay Yadav
Assistant Professor
Qualification: M.B.A. (Finance & Marketing) IET Lucknow,
Ph.D. Thesis submitted
Areas of Specialization: Equity Market, Financial Services
Teaching & Research Experience: 08 years

Dr. Surender Kumar Sharma
Assistant Professor
Qualification: Ph.D. (Physics) University Delhi,
M.Tech (Engineering Physics) GGSIPU, M.Sc Physics, University of Delhi
Areas of Specialization: Conducting Polymer Composites, EMI Shielding
Thin Films, Biosensors, Machine Learning and Big Data
Teaching & Research Experience: +2 years

Department of Architecture and Planning

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

The Department has at present eight highly qualified faculty members. All members are post graduates from eminent universities in India and abroad in architecture and allied fields like planning, industrial design, landscape architecture, construction management, structural design, construction technology etc. Besides regular faculty the Department also has outstanding and experienced visiting faculty.

Programs Offered

B.Arch -5 Years

Besides proven academic credential, the young and dynamic faculty is also actively engaged in research in diverse fields including sustainable architecture, sustainable urban development, healthcare architecture, architectural pedagogy, human computer interface, wind engineering, advanced construction management, energy efficient design and user centric inclusive built environments. All the faculty members have rich field experience too and have been involved in building projects at pan Indian level. The faculty has authored books, which have been published by premier organizations like UNICEF and World Bank. The papers written by faculty are regularly published in architectural journals. The faculty is also invited as jury for many national level events.

The Department believes in experiential learning and students are given exposure to various concrete learning experiences. Regular tours to various construction sites, or sites with exemplar built environments are integral part of pedagogy. New experimentations in architectural pedagogy are continuously explored. The Department strives to provide students with a rich learning experience by conducting hands-on workshops, lectures and seminars on range of topics. Students are encouraged to participate in architectural events with rich support and guidance of faculty. Students are also encouraged to participate in extracurricular activities.

Lab Infrastructure:

Department of Architecture and Planning is the most nascent Department of University, however, owing to the University commitment for the quality education in all disciplines, various labs and workshops in the Department have been set up in a very short span of time.

CAD lab
The CAD Lab has 20 state of art computers with latest versions of softwares to develop skills of students in 2D and 3D drafting. Besides the lab also have softwares to assist students in climatic analysis of building designs

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

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

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

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

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

Dr. Preeti Vajpeyi

Associate Professor & Head

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

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

Ar. Preeti Chauhan

Associate Professor

Qualification:M.Sc. - Planning (South Bank University, London), M.Plan- Town Planning (ITPI, New Delhi), B.Arch (GCA, Lucknow University)

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

Ar. Vishal Rai
Associate Professor

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

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

Ar. Sneha Maji
Assistant Professor

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

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

Ar. Venus Kashyap
Assistant Professor

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

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

Ar. Jahnabi Kalita
Assistant Professor

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

Area of Specialization:Landscape Architecture

Ar. Kshitij Kumar Sinha
Assistant Professor

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

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

Ar. Amit Agrawal
Assistant Professor

Qualification: M.Tech (IIT Roorkee), B.Arch (SMVDU,JAMMU)

Areas of Specialization: Building Technology, Renovation and Retrofitting of Building, Wind Engineering, Structural Design and Transportation Planning

Department of Computer Science & Engineering

The Department of Computer Science and Engineering was established in 1998. The department offers B.Tech. in Computer Science and Engineering and M. Tech in Mobile and Pervasive Computing. The department also started Ph.D program in 2014. The CSE department has a talent pool of outstanding faculty members, who, besides teaching, have been actively involved in various research and professional activities like, member of editorial boards of leading journals, running industry sponsored projects and transferring the technology developed in the lab to industry. There have been numerous publications by faculty members in International/ National Journals/ Conferences covering latest areas of research.

The department has completed sponsored research projects from NOKIA and Information Technology Research Academy (ITRA), Ministry of Human Resource and Development (MHRD) in collaboration with IIT, Delhi and IIIT, Delhi and presently having sponsored research projects from Microsoft, Intel and MHRD-DIS. The department also received several equipment grants from ARM, Atmel, Microsoft, Intel, Texas Instruments etc.

Programs offered

B.Tech CSE – 4 years

M.Tech-MPC (Mobile & Pervasive Computing) -2 years

Ph.D

The Department has revised the curriculum of B.Tech and M.Tech programs considering the latest trends in industry and research. The department aims to bridge the gap between theory and practice in teaching and learning various ICT subject using mobile devices as a pedagogical platform and to develop effective solutions for End to End Real World Problems. The department has developed a practical teaching and learning environment that provides comprehensive set of tutorial, projects and experiments, catering to the needs of students and society by making use of modern computing platforms and making it available to the students.

The Faculty & Student of the department are actively engaged in collaborative research projects funded from MNCs. The Department has two main Research Groups namely, Mobile and pervasive computing and Data Mining and Intelligent Computing, to conduct research work and projects in collaboration with Industry and Premier Institutes to provide practical knowledge to students. These research groups are working in the broad areas of, Mobile computing, Environmental sensing, Network based Application and Algorithm, Wireless sensor networks, Cloud Computing, Middleware, Embedded System and Pervasive Computing, Applied Data Processing, Applications of Database Management Systems and Data Mining, Intelligent Computing, Natural Language Processing.

Lab Infrastructure

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

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

Technology Transferred

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

ETI Lab Start-up

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

Prof. Ela Kumar

Professor and Head

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

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

Experience: 25 Years

Prof. Devendra Kumar Tayal

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

Qualification: M.Tech- CSE (JNU), PhD (CSE) (JNU)

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

Experience: 18 years.

Prof. SRN Reddy

Professor & Dean (Examination Affairs)

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

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

Experience : Total 20 years [16 years in Teaching and 4 years in Industry]

More Details: www.mobileeducationkit.net

Dr. Seeja.K.R

Associate Professor and Dy.Dean(Students' Welfare)

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

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

Experience: 17 years.

Mr. Indra Thannaya
Assistant Professor

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

Areas of Interest: Software Architecture, Software Re-engineering

Experience: 10 Years

Ms. Vibha
Assistant Professor

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

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

Experience: 10 Years

Ms. Najme Zehra
Assistant Professor

Qualification: B.Tech(ECE) Rohilakhand University, M.Tech (IT)GGSIPU, PhD Pursuing

Areas of Interest: Embedded Systems, Computer Architecture, Operating Systems

Experience: 15 Years

Mr. Vivekanand Jha
Assistant Professor

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

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

Experience: 2 years Industrial and 7 years teaching.

Ms. Monika Choudhary
Assistant Professor

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

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

Experience: 2 years.

Dr. Sumit Kr Yadav

Assistant Professor

Qualification: Ph.D (CSE), GGSIPU Delhi, M.S (InfoSec) IIIT- Allahabad, B.Tech (CSE) UPTU Lucknow.

Areas of Interest: Data Science, Data Analytics, Sentiment Analysis and Opinion Mining, Text Mining, Social Network Analysis, Fuzzy Theory, NLP (Natural Language Processing), Intelligent System, Cyber Security, Information Security, Network Security.

Experience: 06 years.

Khyati Ahlawat

Assistant Professor

Qualification: B.Tech(CSE) GGSIPU, M.Tech(CSE) Banasthali University, PhD(CSE) pursuing USICT, GGSIPU

Areas of Interest: Big Data Analytics, Machine Learning

Experience: 4.8 years

Ms. Arunima Jaiswal

Assistant Professor

Qualification: B.Tech (IT) USIT GGSIPU, M.Tech (CSE) DTU, PhD pursuing (CSE) DTU

Areas of interest: Web Technologies, Sentiment Analysis, Soft Computing, Machine Learning.

Experience: Industrial 1.4 yrs and Teaching 3 yrs.

Dr. Ravinder . M

Assistant Professor

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

Areas of interest: Image Processing, Video Retrieval, Image Retrieval, Machine Learning

Experience0: 08 yrs.

Department of Electronics and Communication

The Department of Electronics and Communication Engineering was established in the year 1998. Since its inception, it has been dedicated to provide dynamic and quality women engineers to the industry and society. In the existing scenario of rapid and sophisticated development in the field of Electronics and Communications and its allied fields, the Department's intent and focus has always been to produce globally competitive and socially sensitized engineering graduates and to bring out quality research in the emerging areas of Electronics and Communication Engineering. The department is committed to provide quality and contemporary education in the domain of Electronics and Communication Engineering through latest curriculum, state-of-the-art laboratory facilities, collaborative ventures with industries and effective teaching-learning practices. Considering the latest trends in industry and research, the department has recently revised the UG curriculum to enhance the employability of students.

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

Programs offered

B.Tech ECE – 4 years

M.Tech (VLSI Design) - 2 years

Ph.D

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

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

The labs are equipped with 70 Desktops (Processor : Intel® Core TM i7-3770 CPU @ 3.40GHz 3.40 GHz) and HP Z440 workstations (XeonE5- 1607/4GB/1TB/Win 8.1). In addition to Licenced softwares, Cadence, Synopsis, Mentor Graphics, students and faculty also work on Xilinx, Modelsim, Orcad softwares, FPGA kits, Microwind, and MATLAB to name a few.

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

- **ROBOGYAAN-** Vigyan Jyoti, Pilot Project worth of Rs 16,57,900 (recurring), under Department of Science and Technology. This pilot project has a holistic program designed for meritorious girls right from middle/secondary school level till beginning of their professional career in Science & Technology.

Prof. Ashwani Kumar

Professor & Chief Proctor

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

Areas of Specialization: Optical Communication, Digital Signal Processing, Strategic Management

Dr. Jasdeep Kaur Dhanoa

Associate Professor

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

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

Dr. Nidhi Goel

Associate Professor & Head

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

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

Dr. Vandana Niranjan

Associate Professor

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

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

Dr. Maria Jamal
Assistant Professor
Qualification: Ph.D, JMI, M.E. DCE, B.Sc. (Engineering), JMI
Areas of Specialization: Control System, Circuit and Systems, Electrical Science

Dr. Shobha Sharma
Assistant Professor
Qualification: Ph.D, GGSIPU, M.E. (BITS Pilani)
Areas of Specialization: VLSI Design, Digital Circuits and Systems, Advanced Computer Architecture

Dr. Akash Tayal
Assistant Professor
Qualification: Ph.D, IIT Delhi, M.Tech., NSIT, B. Tech., JMI
Areas of Specialization: Statistical Signal Processing, Game Theory, DSP, Decision Science & System Dynamics, Machine Learning, Medical Image Processing, Optimization

Dr. Pankaj Gupta
Assistant Professor
Qualification: Ph.D (Electrical Engineering), M.E. (Control & Instrumentation), B.E. (Electrical Engineering)
Areas of Specialization: Power Systems, Power Electronics, Control and Instrumentation, Renewable Energy Sources, Islanding Detection Techniques and Electrical Machines

Mr. Kanchan Sharma
Assistant Professor
Qualification: Ph.D. Pursuing, DU, M.Tech (ECE), Allahabad University, B.Tech (ECE), Allahabad University
Areas of Specialization: Wireless Communication, Optical Communication, Signal Processing

Ms. Greeshma Arya
Assistant Professor

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

Areas of Specialization: Optical Communication, Wireless Sensor Networks

Dr. Veepsa Bhatia
Assistant Professor

Qualification: Ph.D, DTU, M.E., MDBA, B.E.

Areas of Specialization: VLSI, Mixed Mode Circuits, Digital System Design

Mr. Mohd. Ejaz Aslam Lodhi
Assistant Professor

Qualification: M. Tech., IIT Kanpur, B.Tech., Jadavpur University

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

Dr. Richa Yadav
Assistant Professor

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

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

Ms. Neha Singh
Assistant Professor

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

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

Department of Information Technology

The Department of Information Technology, founded in January 2010 is the fastest growing department. The department has shown incomparable innovation, research aptitude, intellectual talent, technical skills, and problem solving skills through active participation of faculty, research scholars and students at national and international level. Since its inception, the department started a four year B.Tech.(IT) program in 2010 and a three year post graduate program in Computer Applications (MCA) in 2011 to nurture talent in the field of information technology through IT solution development. With information technology at the peak, there also comes a need of securing the IT environment, hence the department launched a Post-graduate program in Information Security Management (M.Tech, ISM) in 2013 to provide knowledge base and work force with requisite expertise to cater to the needs of industry and information technology in enhancing the security dimension of IT and cyber world.

Programs Offered

- **B.Tech IT - 4 years**
- **MCA – 3 years**
- **M.Tech-ISM (Information Security Management) - 2 years**
- **M.Tech(ICT)- Part Time -3 Years**
- **Ph.D**

To exemplify research and development, the department started the doctoral program in 2014 and currently 12 research scholars are pursing the research work in the department. The department has launched an M.Tech (Information Communication Technology) part-time program for working professionals from the academic year 2016-17. The department believes in continuous learning and therefore, hosts various Workshops, Faculty Development Program, Conference, Seminars and expert talk sessions on regular basis. The department encourages the students to participate in the various conferences, workshops and other competitions to hone their technical expertise. Technical events like Espectro, Advaya have been successfully conducted by the department under the aegis of ACM Society since 2011.

Lab Infrastructure

The Department boasts of a state-of-the-art, centrally air conditioned Computer Center with newly procured high-end configuration computing systems. In addition, there are Software Design Lab, Distributed Computing Lab and Information Security Lab to address the growing computing needs of the students at the Department. The labs are equipped with around 180 latest configuration computer systems i.e. Intel® Core TM i5 and i7 processors to meet the computing needs of the students. Recently department established a software development cell to cater the requirements of automation of various divisions of the universityThe department houses a library of its own to provide focused and concentrated access to the learning material in the field of Information Technology to its students, faculty members and staff.

Ongoing Projects

Department of IT is awarded with a project grant of 65.3 lac from under ISEA project Phase-II and the following labs have been established under the project grant:-
- Cyber Forensics Lab: The lab is equipped with FRED Server and Net Force Suite –a forensic suite developed by C-DAC.
- IoT Lab: The lab has been equipped with real time test bed "SenseNuts: IoT Platform for Excellence" for experimenting sensor for IoT applications.

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

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

Prof. R.K Singh

Professor, Dean (Dev. and Plg.) & Registrar

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

Areas of Specialization: Software Engineering, Project Management, Software Testing.

Dr. Amar K. Mohapatra

Associate Professor (On Deputation to Delhi Police as Chief Technical Advisor)

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

Area of specialization: Cryptography, Cyber Security and Information Security

Dr. Arun Sharma

Associate Professor and Head of the Department

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

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

Dr. Kalpana Yadav

Assistant Professor

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

Areas of Specialization: Soft Computing, Software reliability

Mr. Rishabh Kaushal

Assistant Professor

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

Areas of Specialization: Information Security and Algorithms

Ms. Ankita

Assistant Professor

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

Areas of Specialization: Software Testing, Java programming, Advanced Java programming and Network Security.

Dr. Aruna Bhat (On Lien)
Assistant Professor
Qualification: M.Tech. (IT) GGSIPU, PhD (CSE) IIT Delhi
Areas of Specialization: Pattern Recognition, Software Engineering, DBMS

Ms. Nidhi Arora
Assistant Professor
Qualification: M.Tech. (CSE) from IIT Delhi and pursuing PhD (CSE) at
IIT Delhi
Areas of Specialization: Data Structures, Algorithms

Ms. Nisha Rathee
Assistant Professor
Qualification: M.Tech.(CSE) MDU Rohtak and Pursuing PhD at MDU
Rohtak
Areas of Specialization: Software Testing, Data mining, Data Structures

Dr. Niyati Baliyan
Assistant Professor
Qualification: Ph.D. (IIT Roorkee),M.Tech from Gautam Buddha University,
Greater Noida and Sheffield Hallam University, U.K.
Areas of Specialization:Semantic Web, Knowledge Engineering and Data
analytics.

Mr. Chandra Prakash
Assistant Professor
Qualification: PhD (pursuing) at MNIT Jaipur, B.Tech+M.Tech (IT) from
IIITM Gwalior
Areas of Specialization: Gait Analysis, Machine Learning (Deep Learning,
Reinforcement Learning), Biometrics, Pattern Recognition

Dr. Sourabh Bharti

Assistant Professor

Qualification: PhD (Information Technology) from IIITM Gwalior, M.Tech (Computer Science and Engineering) from IIITM Gwalior.

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

Mr. Gaurav Indra

Assistant Professor

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

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

Ms. Bhawna Narwal

Assistant Professor

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

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

Ms. Neetika Bhandari

Assistant Professor

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

Areas of Specialization: Computer Graphics, Discrete Mathematics, Java

Ms. Charu Gupta

Assistant Professor

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

Areas of Specialization: Cryptography, Information Security

Department of Mechanical & Automation Engineering

The Department of Mechanical And Automation Engineering was established in 1998. The Department offers B.Tech in Mechanical and Automation Engineering, M.Tech in Robotics and Automation & Ph.D. in different specializations of Mechanical and Automation Engineering.

The Department has highly qualified and experienced Faculty and Staff Members. Faculty is actively involved in various research and professional activities along with dedicated teaching. All Faculty members have been contributing to research and development in form of patents and publications in reputed peer reviewed journals.

A number of MNCs have been collaborating with department and have contributed to Research & Development of Department.

Every year meritorious students secure admission to the programs offered by the department.

PhD scholars have been applying for government grant for research and have also received favourable response with Grant Sanctioned.

Programs offered

B.Tech MAE - 4 years

M.Tech (Robotics & Automation) - 2 years

Ph.D

Students & Faculty members have been actively participating in National & International Conferences and have research contributions in areas such as Design Engineering, Robotics, CAD/CAM/CIM, Mechatronics, Automation, Computational Engineering, Advance Manufacturing Systems, Automotive and IC Engines.

Department has 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 Baja, Supra, ISIE, Effi-cycle and have been bringing laurels to the University. Industrial Visits, Workshops, and Expert Lectures are regularly organized and receive active student participation.

Lab Infrastructure

Department provides Laboratory infrastructure for the smooth conduct of practical session for the following courses:-

- CAM Lab;
- CAD Lab;
- Robotics Lab;
- Mechatronics Lab;
- Engineering Measurement and Metrology Lab;
- Machine Shop & Metal Cutting Tool Design Lab;
- Engineering Graphics Lab;
- Fluid Mechanics Lab;
- Strength of Material Lab;
- Automobile Engineering Lab;
- Theory of Machines Lab;
- Engineering Mechanics Lab;
- Material Science Lab;
- Refrigeration and Air conditioning Lab;
- Thermal Engineering Lab;
- Heat transfer Lab;
- Central Workshop with following shops:
    a. Foundry,
    b. Welding,
    c. Sheet Metal,
    d. Fitting,
    e. Carpentry.
- Project Shop.

Ongoing Projects

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

Dr. Nathi Ram Chauhan

Associate Professor

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

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

Dr. Manoj Soni

Associate Professor and Head

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

Areas of Specialization: Mechatronics, Production Engineering, Prosthesis

Dr. O.K. Singh

Assistant Professor

Qualification: Ph.D IIT Delhi, M.Tech. Thermal Sciences (Gold Medalist) from Aligarh Muslim University, Graduation Certificate in Marine Engineering from Directorate of Marine

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

Ms. Deepti Chhabra

Assistant Professor

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

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

Dr. Pankaj Tomar

Assistant Professor

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

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

Dr. Shipra Aggarwal

Assistant Professor

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

Areas of Specialization: Industrial Tribology

Mr. Vivek Chawla

Assistant Professor

Qualification: Ph.D. (Pursuing) NIT Kurushetra, M.Tech DITE Delhi, PGDBA Symbiosis Pune

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

Ms. Deepti Jaiswal

Assistant Professor

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

Areas of Specialization: Welding & Material Science

Mrs. Pooja Bhati

Assistant Professor

Qualification: Ph.D (Pursuing) IIT Delhi, M.Tech Jamia Millia Islamia Delhi, B.Tech-IGIT

Areas of Specialization: Bio Materials, Scaffolds, Composites

Mr. Ravinder Kumar

Assistant Professor

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

Areas of Specialization: Thermal Engineering & CFD

Ms. Tina Chaudhary

Assistant Professor

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

Areas of Specialization: Robotics & Automation, Production

Mr. Urfi Khan

Assistant Professor

Qualification: M.Tech Jamia Millia Islamia Delhi

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

Mr. Parvez Yusuf

Assistant Professor

Qualification: Ph.D (Pursuing) Jamia Millia Islamia Delhi, M.Tech IIT Delhi

Areas of Specialization: Thermal Science, Thermal Power Plants, Cogeneration systems

Infrastructure and Central Facilities

IT Services

IGDTUW Campus is recently upgraded its IT Infrastructure through high-end intelligent CISCO switches, and possesses round the clock 1 Gbps NKN leased line and a 50 Mbps MTNL leased line in a different OFC for the LAN wired & Wi-Fi connectivity for the academic, administrative and hostel blocks of the campus, with internet facilities on all the nodes through 10 Gbps LAN optical fiber connectivity. Around 550 Computers, 85 Printers etc are connected with Local area network which is being managed and maintained by Planning and Development Division.

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

Hostel Facilities

The University has two women hostels - **Krishna Hostel** and **Kaveri Hostel**, to accommodate approximately 300 students. These two hostels are located in the University campus. The hostels provide a safe, secure and clean environment for the students to grow, learn and mature in the society away from their own homes. The hostel authorities always facilitate to create an environment for the students to study, do well in their academics and focus on their career and future.

All rooms are on twin/triple sharing basis and are equipped with individual beds, chairs, built-in cupboards and study tables. In addition to this, IGDTUW Hostels provide purified drinking water, housekeeping services, wi-fi facility, news paper/magazines, TV, Washing machines, facilities of hot water for residents, paid laundry services etc. The residents use the campus play ground for games like Basket Ball, Badminton and skating. An indoor table-tennis court and badminton court also exist in the hostel premises for the residents. The hostel has its own gymnasium for residents and a Cooperative General Store with items for day to day needs of the hostel residents.

Hostel accommodation is limited and will be allotted to full-time bonafide students of IGDTUW satisfying the eligibility criteria for hostel admission subject to availability. The allotment of accommodation in the hostel is made on the basis of IGDTUW Hostel Rules and Regulations as mentioned in the hostel brochure. Students desirous of seeking hostel admission shall apply immediately after the completion of their admission process for IGDTUW. Students are required to produce the university admission fee receipt at the time of submission of application for the hostel admission

The Incubation Centre – *Anveshan*

IGDTUW-Anveshan Foundation is a business incubator promoted by Indira Gandhi Delhi Technical University for Women. The motive of business incubator is to promote Women Entrepreneurship in the Society. Our business incubator facilitates in all the domains of entrepreneurship and start-ups i.e. pre-incubation, incubation, acceleration and post-incubation. Presently we are in the position to provide physical office space/ accommodate elevens start-ups companies. Apart from all the basic facilities to incubatees there is also a provision of seed money.

In the year 2017, we have incubated four start-ups. These all the start-ups are private limited companies working within the premises of Incubation Centre. Four more incubates will be working with Incubation centre by June 2018 for which a large numbers of applications have been received. IGDTUW-Anveshan Foundation has a E-Cell (Entrepreneurship Cell) under which many workshops on Entrepreneurship are conducted. We also have an Innovation and IPR Facilitation Centre. A pool of resource persons and consultants are associated with IGDTUW-Anveshan Foundation.

Computer Centre

The University has a centralized computing facility housed in the 'Computer Center' , which is equipped with high end configured computer systems. Each computer (HP 8100 Elite SFF and 8300 Elite SFF series) runs Intel Core i5-650 3.2 GHz processor aptly supported with a minimum 4GB RAM and hard disk space of 320 GB. The hardware is configured to operate in a dual boot mode providing support for the two broad classes of operating systems namely Windows 7 Professional Edition and Linux based Ubuntu-12.04 ,with long term support.

Learning Resource Centre

Learning Resource Centre (LRC) serves as the premier source of academic information for the university community through its rich collection of textbooks, journals and reference materials. The LRC has a focused collection of print, electronic, and audiovisual materials in the areas of science, engineering, technology, technical communication and management to support the learning and research activities of students and faculty. Services provided by LRC are as below: A Book bank facility is offered to all the students who are enrolled in any of the programs offered at the university campus.

All these journals are available online to the members of the LRC in campus LAN. The Digital Library section has e-materials like CDs, DVDs and digital thesis of final year students and is available through Open Source Institution Repository Software within the campus premises. OPAC (Online Public Access Catalogue) is available at university's intranet. User may use OPAC to ascertain availability of material needed by them. Users may log on to OPAC to verify their circulation data, to reserve documents, to suggest a new document to be procured for the library.

Medical Facility

The health services at the university are provided through the health centre located in the campus. The dispensary is equipped with over the counter medicines, bed to rest in, medical equipments, physical screening tools and first aid facility. A team of one registered medical practitioner along with one registered nurse is available from 09:00 am to 05:00pm.

Bank

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

Campus Placement

The Training and Placement Cell facilitates the campus recruitment program at IGDTUW. The cell comprises of highly energetic and dynamic team of students and faculty members of the University under the leadership of   Dr. Jasdeep Kaur, Associate Professor & Head Department of ECE & Dr. N.R. Chauhan, Associate Professor Department of MAE. The team is consistently striving to enhance the quality and quantity of the placements in the university. The University T&P Cell facilitates nearly 100% placements with multiple job offers to the students of IGDTUW year after year. During the recruitment drive around 49 companies visit the campus every year

PLACEMENT STATISTICS

COMPANY NAME	NUMBER OF STUDENTS PLACED
Accenture	51
Adobe	2
Amazon	9
Azcom Technology	7
Blackstone	5
Cisco	9
Coding Blocks	1
Deutsche Bank	3
Dell	11
Expedia	9
FICO	5
GE Digital	9
GE Edison	3
Hero MotoCorp	1
Honda	4
Hughes Communication	1
HUL	4
InfoEdge	3
Intuit	7
ION Trading	7
LIBSYS	1
Macquarie	6
Maruti Suzuki	3
Microsoft IDC	8
Mobiquel	2
ARM	13
Nestle	1
Netapp	2
Oracle	14
Orange Business Services	3
SAP Labs	5
TCS	52
Thoughtworks	3
Zillious	1
TATA Power	3
Siemens	2
General Motors	5
Mahindra and Mahindra	1
TATA Motors	15
EATON	16
Suez water technology and solutions	1
Anand Automotive	4
Saint-Gobain	4
TATA Communication	5
Zopper	2
ExxonMobil	2
Fluor Daniel	11
NIIT Technologies	1

Societies and Clubs

CSI Student branch

Faculty Advisor : Ms.Vibha, Assistant Professor, Department of CSE.

Computer Society of India (CSI) Student branch was founded in 2008 with 120 members from Department of Computer Science and Engineering. Members of CSI promote confluence between technology and academia. Through regular workshops, competitions and seminars, CSI student branch has been successfully accomplishing its motto LEARN-ENVISION-INSPIRE and continues to strive towards it. Since its formation the society has organized many activities from time to time. These activities include workshops and boot camps on various upcoming technologies, monthly events both formal and informal. These are attended by students of various reputed colleges across Delhi.

ACM Student Chapter at IGDTUW

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

Department of Information Technology runs a student chapter under the aegis of Association for Computing Machinary (ACM) which is named as ACM Student Chapter @IGDTUW. ACM is world's largest educational and scientific computing society that delivers resources to advance computing as a science and a profession. Student Chapter has been successfully hosting numerous events in the field of computing and has helped students improve their programming skills and gain knowledge beyond curriculum. The student chapter organizes technical talks from experts in the field of academics and industry, technical competitions among students and contributes immensely to the Annual Technical Festival of the University 'INNERVE'.

All these events are organized and managed by students of the University under the guidance of faculty advisor. Students from outside the University are often invited to participate in large numbers in such events. In a nutshell, the chapter provides a platform for students to learn technical and organizational skills, thereby preparing them to face the challenging and ever evolving landscape of technology.

IEEE Student Chapter

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

The non-profit organization, IEEE is the world's leading professional association for the advancement of technology. IEEE student branch was inaugurated on 6th Feb. 2004 with around 33 members. Now the student branch of IEEE boasts of 200 members. The IEEE Student Branch remains active throughout the year with its myriad activities. Other events that keep the branch breathing throughout the year are the IEEE Week, IEEE Day Celebration, and SIGs (Student Interest Groups). The IEEE Student Branch continues to uphold its mission "To encourage innovation and technical excellence amongst young engineers to achieve socially constructive technical development towards a globally competent India."

ENACTUS

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

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

Khidmat-Enactus IGDTUW's first social initiative, aims at making women self-reliant by starting their own culinary business. This has resulted in annual revenue generation of nearly 1 Lakh rupees for each of the associated women in the past 12 months. Another entrepreneurial venture, Project REAP has also been taken up by Enactus IGDTUW to tackle the problem of endless plastic waste. Among the 60 national teams from India, Enactus IGDTUW team has won the Rookie League of Enactus India National Competition 2016. Enactus IGDTUW has also partnered with one of the leading NGO working for women empowerment- Sahyog and has recently won the prestigious KPMG Ethics Grant for 2017.

ROBOLUTION

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

Team Robolution is the robotics team of IGDTUW. The team comprises of students from various branches (CS, IT, ECE & MAE) including the 1st year students. The new members are trained/mentored by the previous members and encouraged to take part in various inter-college and national robotic Events/Competitions. Every year, team Robolution participates in an Asia-Pacific Robot Contest ABU-ROBOCON, which has a different theme each year. Every year, the theme of ABU ROBOCON is declared in August; the design phase begins immediately after that as the bot is designed per the theme and specifications of bot. Students build the robots right from the scratch. The last few weeks are spent in practicing in the arena and rectifying the problems. Since the bot is prepared entirely by the students they learn about design, construction and programming using Arduino microcontroller, propellers, pneumatics actuators, omnidirectional wheels, Open-CV, Kinect, MATLAB etc. apart from the cutting, drilling, riveting, welding and wiring tasks.

LEAN IN

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

Lean In is an international NGO which is committed to offering women the ongoing support and inspiration to help them achieve their goals. It is focused on encouraging women to pursue their ambitions and aims to

change the trajectory of women and create a better world for everyone by openly talking about the challenges. Internationally, it is run by Sheryl Sandberg, the Chief Operating Officer of Facebook.

Lean In at Indira Gandhi Delhi University for Women was established in 2014 and it was among the first five chapters of the world. The members organize weekly meetings to talk over the relevance of women empowerment and to discuss the impacts that were created single handed-ly by women leaders. Currently, it has 200 members and 15 functional circles with a Lean In at IGDTUW council which has conducted events like Orientation by Council Members, Curtain Raiser events and Corporate Training Sessions.

Tarannum

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

Tarannum, the music society of IGDTUW came into existence with a vision to facilitate musical talent in the University in September 2016 with a 7 member student core team. The society has three different music ensembles, namely the Band, Indian Choir and Western Choir who work hand in hand. The Western Choir of Tarannum is an ensemble of 10 members. With a focus on both western culture of music and *A CAPPELLA* music, it has been a part of multiple events and plans to be participating in future as well. The Indian Choir wing of the Tarannum has an amazing set of performers. In addition the society also has a 6 member band. Tarannum has been a part of major events held in the college premises namely the Fresher's Function and Taarangana, and is working hard to achieve bigger milestones in the coming times.

ZENA - Fashion Society

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

Zena-the fashion society of IGDTUW was founded in the year 2013.Its existence came into light with various shows in and out of college. The fashion society of IGDTUW participates in various events and creates visibility for IGDTUW as a university. It steps ahead in showcasing various issues pertaining in society. In these 3 years it has got huge appreciation from everywhere and they have represented IGDTUW at various forums. It is continuously putting efforts to become one of the best societies around. . Through the past five years, Zena has been focusing on portraying social issues like water pollution and women empowerment through fashion. In 2018, the students bagged the runners-up award for Bhaskaracharya College for Applied Sciences. They also got a special mention for our innovative theme "Not A Virgin – The story of an Indian Women" in Symbiosis college for management studies. The students of this society have been selected as finalists in many prestigious colleges like IIT Delhi, Delhi Technical University, etc.

Green Sphere

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

 "Green sphere" is the Environmental Society, which was formed in October 2008. Currently Dr Bhavani Prasad Naik is the Faculty Advisor of this society. It aims at spreading environmental awareness and is an initiation by those who comprehend the engineering of ecological balance and the effect of our routine activities on our immediate environment. The activities and events are organized that focus on creating awareness among students and encourage greener practices. Some of the initiatives taken by the society are: Sapling Distribution on Orientation Day every year to welcome the new students of the Institute, Poster Making Competition, Plantation Drive and Theme Photography Events.

Green sphere also organizes several events and awareness campaigns such as Anti Fire-cracker awareness program, Earth Hour signature campaign, thematic T-shirt painting and Video-making competitions , workshops and seminars conducted by NGOs like ICPE, WWF, TERI, CSE, Swechha and many more. In addition, the society has initiated implementing the activities of Swachh Bharat Mission in IGDTUW. This society works in collaboration with Department Of Environment, Govt. of NCT of Delhi.

The Greensphere society of IGDTUW has successfully installed a Paper Recycling Unit which is being run by the students quite effectively and efficiently. The unit makes quality paper out 46 of waste, which is used for making Greeting Cards, Invitations, Fest charts etc. The society is active on all major social media and can be contacted at: https://www.facebook.com/greensphereigdtuw and mail: greensphereigdtuw@gmail.com

Rotary Club-IGDTUW

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

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

Synergy

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

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Synergy Sports Club, IGDTUW is a platform for all Sports amateurs and professionals to come live the thrill they feel while running, kicking the ball, smashing a shuttle etc. The club focuses on promoting participation in sports and inculcating the spirit of sportswoman ship among the students. We have been very active throughout the year 2016-17 and plan to expand our horizons. The basketball team of IGDTUW has been participating in many inter-college meets this year and we invite all IGDTUWites to come join us and take us forward.

Technoliterati

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

Technoliterati is the Literary Society of IGDTUW which aims at the amalgamation of creativity and talent in the students. It inspires young budding engineers to open their minds up and let their imagination fly, to write candidly, speak fluently and express freely. It encourages students to contribute articles for the college student magazine and actively participate in all the events that the society organizes.

At the beginning of every year, new core team members are recruited through the strenuous process of interviews. Presently the core team members are Shifa Samreen, Agamani Paul, Mahima Kaushik and Aishwarya. Apart from conducting regular events like Debates and Essay writing the society took some new initiatives like starting a Writing Club and Group Discussion Club. The Writing Club paved way for the society blog where members write and publish articles, stories, poems, monologues etc. among other forms of writing. The blog is also open to guest bloggers from outside the society.

The Debate Club, 'Eloquentia Verax',initiated last year, continued to train students for Inter and Intra College debating events along with organizing debate competitions within the campus. The biggest achievement of the year for the society was that Technoliterati in association with Innerve'16 organized the first ever Model United Nations at IGDTUW with the Agenda for United Nations General Assembly-SOCHUM as: Contemporary forms of slavery in the 21st century with special emphasis on commercial sex work, child soldiers and bonded labourers. The event witnessed a participation of more than 100 students and turned out to be a huge success.

RAHNUMA-Dramatics Society

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

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

INSTINCT: The Peer Educator's and Life Skills society

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

Instinct is the first Peer Educator's and Life Skills Society of IGDTUW which was initiated in July 2016. The main objective of the society is to help peers change mind-sets, question social norms and explore themselves. The tag line of the society is – **'Define your own Ideal'** which focuses on finding your own self and your own principles rather than following the one's set up by the society. The society aims to create a dialogue and provide a platform for open discussion on issues that are relevant to student and adult life but are not given main stream attention most of the time.

B.H.A.V (Behold an Architect's View)- The Role Play Society of IGDTUW

Faculty Advisor: Ar. Kshitij Kumar , Assistant Professor, Department of Architecture and Planning

 The main aim of the society is to provide a platform that brings within the education curriculum, the social issues and challenges. This would promote creative and innovative thinking among youth to reach upon realistic solutions to problems dawning our society at large, while simultaneously familiarizing them with the professional workflow.

The Society's apex mandate shall be to organize events (like role plays, guest lectures, etc.) which are simulation of professional work field, with participants portraying the roles of various stakeholders of the set agenda, to engage in spontaneous intellectual debate and discussion to reach upon a collective decision, which bears the potential to be recommended to concerning bodies for its actual implementation.

American Society of Mechanical Engineers (ASME) Chapter

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

The American Society of Mechanical Engineers (ASME) chapter was established to pursue desired objectives, which include popularization of the organization and facilitating applicative technical thinking, has organized various events such as industrial visits, specialized seminar on new technologies, quizzes and expert lectures from industries like LPS-Bossard to name a few to keep up to date knowledge and information of the students of IGDTUW. With the international outreach of ASME, University students can be benefitted by applying their theoretical and practical knowledge for research and innovation. Recently, IGDTUW-ASME chapter was also recognized by the leadership of ASME for the outstanding student start-up section grant which also includes a cash prize of 500 USD.

Sae Collegiate Club

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

SAE India is an affiliate society of SAE International registered in India. MAE students are active members of SAE India and also have a student chapter in college. SAE extends itself into educational institutions and infuses enthusiasm through their Collegiate Design Competition with events that put classroom training into action by challenging students to design, build and test the performance of a real vehicle in a competitive environment. The students of MAE at IGDTUW combine their specialized abilities to conduct advanced research, design, development, manufacturing and utilization of conventional and hybrid automobiles to participate in various Automobile design and fabrication competitions. The various national and international automobile design and fabrication competitions are SAE Effie-cycle, SAE –Super Mileage, SAE Baja, SAE Supra etc to name a few.

Apart from participating in the automobile design and fabrication competition the SAE collegiate club with support from university also organizes various technical events like industry expert lectures, software workshops training, industrial visits, Quizzes for the active participation and development of IGDTUW students.

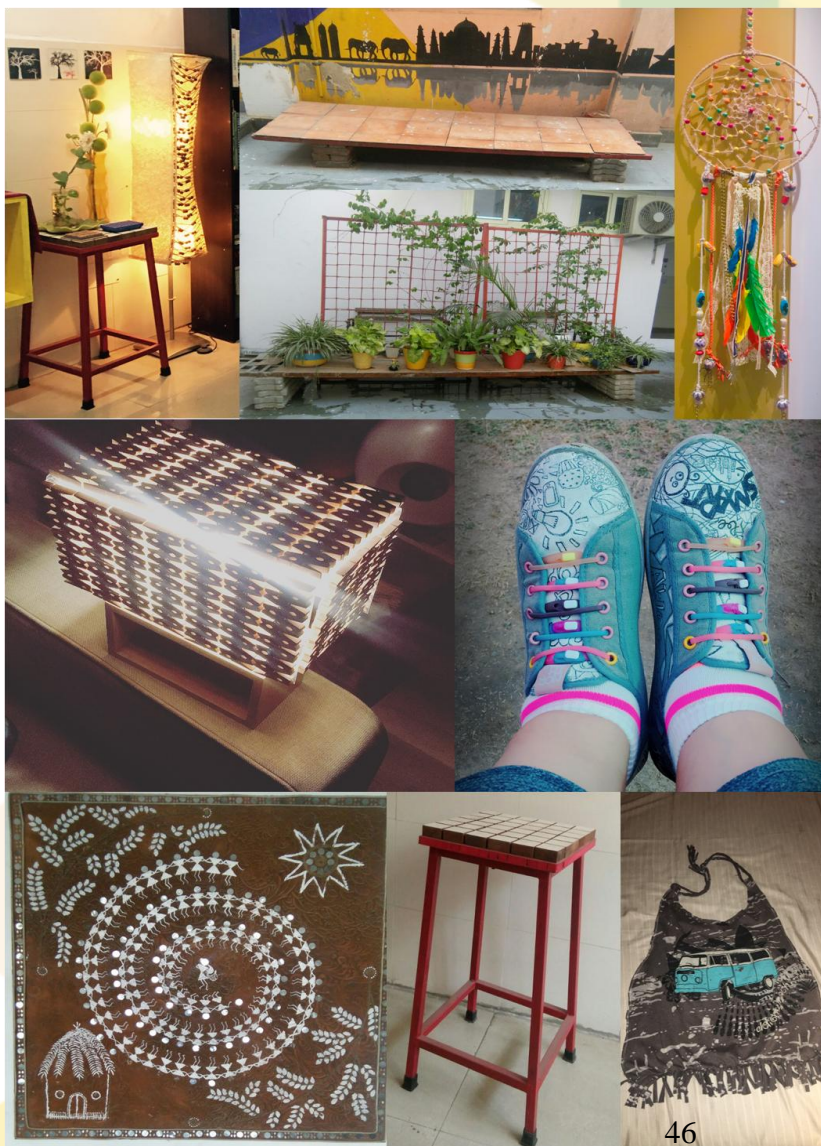**Team Panthera, IGDTUW participated in SAE –Super Mileage in USA**

Team Aious-IGDTUW Participating in Formula Bharat -2018

Hon'ble Deputy Chief Minister, Delhi motivating the students during his visit at IGDTUW

ANTARGAT- Creative Society

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

'ANTARGAT' means 'within'. This creative society looks at waste with a different perspective. Waste is only waste if wasted. Every waste has some useful potential to be identified and put to work. The society is initiated to collect likeminded individuals who have a different perspective to waste and an eye for creative modelling of the same. The society commenced in 2017 is in its nascent state and is looking for crazy ideas. Some individualistic works can be seen as a remodelled lamp, university old stool, benches and planter establishment out of civil waste, earrings and bracelet waste, Innerve leftover frames, old shoes and T-shirts etc. The Ideation of the society is to recycle, remodel, reuse Waste from the university and likewise, putting condemnation process to a new visionary outcome.

HYPNOTICS –Dance Society
Faculty Advisor: Dr. Richa Yadav, Assistant Professor, Department of ECE.

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

SPIC MACAY CHAPTER

Faculty Advisor: Dr. Geeta Sachdeva, Assistant Professor, Department of ASH.

Society for the Promotion of Indian Classical Music and Culture Amongst Youth (SPIC MACAY) is a voluntary movement founded in 1977 by Dr. Kiran Seth. The movement incorporates the vitality of the youngsters to cajole them into being custodian of what is actually their birthright, namely their heritage, roots and identity. The IGDTUW SPIC MACAY CHAPTER successfully organised a performance by the Kathak dancer, Gauri Diwakar on 25th October, 2017. The audience was captivated with her enthralling performance. The event witnessed a good gathering and turned out to be a great success.

Cultural and Technical Fests

Taarangana 2018

Taarangana - The fifth Annual Cultural Festival of Indira Gandhi Delhi Technical University for Women was held on 2nd & 3rd February 18 and it received magnanimous love from students across Delhi-NCR. The two day cultural extravaganza saw a footfall of more than 17,000 students. In the latest edition of Taarangana, there were specific additions made to bring a new identity to this cultural bonanza. An exclusive audition round of 'Campus Princess - Your road to be the next Miss India' was held in the campus. This time Taarangana made collaborations with the most prestigious brands like Coding Blocks, Maggi, ONGC, NABARD, NTPC, Jio, MTV Beats etc. and had many celebrity faces gracing Taarangana'18 such as Diego Miranda, the world-renowned Portuguese DJ and ranked #56 on the DJ Magazine's Top 100 DJ's.Taarangana'18 also featured the best of Indian stand-up stars comedian "Abish Mathew" and "Lagori", the Bangalore-based Indian classical-Rock fusion band.

With the main stage hosting Taarangana's first ever Choreo event - "Alluring Whispers", the administrative block was swayed away by colourful art event -'POP Art' and, literary fest named Slam Poetry'. At the same time, while the auditorium stage was getting prepped for 'Anhad' - the solo singing battle, teams arrived to display their prowess of 'Nukkad' in Aaghaz . Breaking in the half-time of the day, youngsters were getting ready for their Blind Date. As many youthful faces waited eagerly with a rose to meet someone special, the excitement grew even more with the arrival of the event host, Fever 104's RJ Rahul Makin. Synnove, the solo/duet dance competition drew large audience and, numerous participants were left awe-struck witnessing the crowd. Lilac Dreams, the most coveted Fashion Parade in the city launched its 5th edition in the wake sunlight, where teams from various colleges came to prove they are always chic and never out of style.

As the sky grew numerous shades darker, the audience was thoroughly cracked up by the funniest stand-up sketch performed LIVE by the most viral comic of YouTube and the very famous Abish Mathew. The energy translated but didn't diminish as YouTube's handsome DJ sensation Diego Miranda stepped on the main stage to perform in New Delhi for the very first time! Abish's poignant humour and Diego"s music entertained the footfall that was present in the campus beyond limits and marked the end of day one.

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Day Two of Taarangana'18 caught up with the very same momentum of enthusiasm as was on day one and, kick-started the second day with its events. Multiple teams entered the campus with musical instruments and diverged into the Auditorium, the rest towards the Main Stage. Throughout 'Antraa' - the group singing competition, the Auditorium echoed with classical exceptionalism, while hard rock and metal flew in the air through Knights of the Fall - the battle of bands.The Administrative Block of IGDTUW, on the second day as well, kept the artistic spirit of ink and colours alive. Participants penned their expressions on a theme in 'Quillography -The Creative Writing Competition'. Auditorium was flocked with audience, as the most popular talent hunt for the next Miss Diva was LIVE at IGDTUW's campus. FBB Campus Princess, organised in association with the Times Group and Miss India Organisation crowned their Miss Diva out of the 60 girls .While in the Auditorium sparkles of incredible charisma was lit, the main stage's event 'Urban Thump' was a major hit. Yet again, the evening had it on! Glistening on the main stage was Lagori Band . As Bangalore-based internationally acclaimed for their singing about love, life and nature. The band's live performances and music were a class apart, combining beauty, energy, soulfulness and awe-inspiring beats and the crowd went on to another high and screamed on repeat. The successful rock-fusion night marked the end of day two and Taarangana'18.

Technical Festival- INNERVE
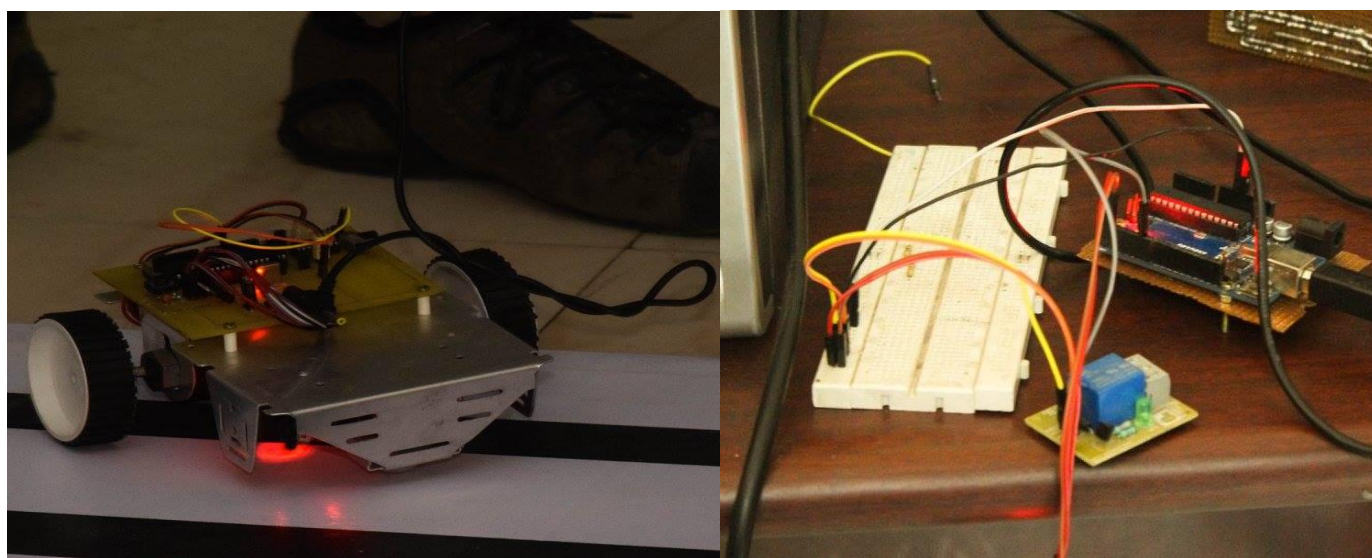
Innerve 2017, the annual technical fest of Indira Gandhi Delhi Technical University for Women (IGDTUW), was a two-day extravaganza, engineered by passionate women engineers who joined hands to bring together a fiesta involving not only innovative and fresh ideas from young minds but also plethora of other events that attract a whole lot of energetic and young crowd. The 2017 edition received a participation of 2000+ students from other colleges in both the technical as well as the informal events. The fest attracted a crowd that was competitive, innovative and fun loving that ensured that the participants, audiences as well as the organisers saw designs, codes and solutions that featured the best of all three. Innerve boasted of a crowd that built highly-functional robots, coded programs, created cars out of junk and scraps, painted their imagination on the walls, created an entire fashion line out of recycled paper, worked on IoT projects, displayed their optimum solutions for waste management, in accordance with the theme, "A Greener Earth", made drones . People also had a great time while participating in informal events, such as mystery room, zorbing, treasure hunt, "Beg Borrow Steal" – events that gave them a break from their technical shenanigans. Overall, the fest was a huge success, and gave immense joy and a sensation of success to anyone who participated, organised – to even those who simply came to watch and learn.

Admission Guidelines

B.TECH - 4 YEAR COURSE

Computer Science and Engineering
Information Technology
Mechanical and Automation Engineering
Electronics and Communication Engineering

Eligibility Criteria

For these programs only female candidates are eligible. A candidate passing any of the following examinations from a recognized School/College/Institute and securing 60 % or more marks in aggregate in Physics, Chemistry and Mathematics, and must have passed English as a subject of study of the Senior School Certificate Examination Level (Core or Elective) shall be eligible for admission to the first semester of Bachelor of Technology Course provided she has passed in each subject separately.

(i) Senior School Certificate Examination (12-year course) of the Central Board of Secondary Education (C.B.S.E.), New Delhi.

(ii) Indian School Certificate Examination (12-year course) of the Council for Indian School Certificate Examination, New Delhi.

(iii) Any other examination recognized as equivalent to the Senior School Certificate Examination of the C.B.S.E.

Note: **Candidates who have appeared at the Annual Examination in the year 2018 and have been placed in compartment will not be eligible for admission for the year 2018**.

Relaxation in marks for reserved categories
Candidates belonging to the following categories, who apply for seats reserved for them, shall be allowed a relaxation in the minimum eligibility in marks as per university norms:
Other Backward Class (OBC) / Defence Category (DEF): 5% concession of marks in the minimum eligibility requirements.
Scheduled Castes (SC) and Scheduled Tribes (ST) / Differently Abled Persons: 10% concession of marks in the minimum eligibility requirements.

Admission Procedure
Admission to B.Tech. Program will be based on All India Rank prepared by CBSE based on performance of candidate in Paper-1 of JEE (Main) Examination 2018 and also the candidate must be declared eligible for Central Counselling by the CBSE.

The admission to B.Tech. program will be done through Joint Admission Counseling (jointly organized by DTU, NSIT, IIITD & IGDTUW). *For more details and any update please refer to JAC website (http://www.jacdelhi.nic.in) and go through the detailed updated brochure.*

85% of the total seats are reserved for candidate belonging to Delhi Region (Students passing the qualifying examination from recognized Board / College / Institution located within the NCT of Delhi) and 15% of the total seats for candidates belonging to outside Delhi Region.

B.ARCH -5 YEAR COURSE

Eligibility Criteria

A candidate passing any of the following examinations from a recognized School/College/Institute and securing 50 % or more marks in aggregate with Mathematics as a subject and must have passed English as a subject of study of the Senior School Certificate Level Examination, passed each subject separately and also qualifies the JEE (Main) (Paper-2) -2018

(i) Senior School Certificate Examination (12-year course) of the Central Board of Secondary Education (C.B.S.E.), New Delhi.
(ii) Indian School Certificate Examination (12-year course) of the Council for Indian School Certificate Examination, New Delhi.
(iii)Any other examination recognized as equivalent to the Senior School Certificate Examination of the C.B.S.E.

Note: **Candidates who have appeared at the Annual Examination in the year 2018 and have been placed in compartment will not be eligible for admission for the year 2018**.

Relaxation in marks for reserved categories

Candidates belonging to the following categories, who apply for seats reserved for them, shall be allowed a relaxation in the minimum eligibility in marks as per university norms:

Other Backward Class (OBC) / Defence Category (DEF): 5% concession of marks in the minimum eligibility requirements.

Scheduled Castes (SC) and Scheduled Tribes (ST) / Differently Abled Persons:10% concession of marks in the minimum eligibility requirements.

Admission Procedure

The admission to B. Arch. Program will based on All India Rank prepared by CBSE in JEE Main 2018 (Paper – 2) examination and also the candidate must have declared eligible for Central Counseling by the CBSE. The admission to B.Arch. program will be done through Joint Admission Counseling (jointly organized for DTU, NSIT, IIITD & IGDTUW). For more details refer to JAC website (http://www.jacdelhi.nic.in).

85% of the total seats are reserved for candidate belonging to Delhi Region (Students passing the qualifying examination from recognized Board / College / Institution located within the NCT of Delhi) and 15% of the total seats for candidates belonging to outside Delhi Region.

M.TECH 2 YEAR COURSE (FULL TIME)

Eligibility Criteria

S.NO	Name of the Course	Minimum Eligibility (only Female Candidates)
1.	M.Tech (Mobile & Pervasive Computing)	Minimum 60% or equivalent in the qualifying exam as under: 1) B.Tech/ B.E. degree in Computer Science / Computer Science & Engineering/ IT/Computer Engineering/ Software Engineering/ Electronics & Communication/or equivalent from a recognized University. 2) AMIE/AMIETE in relevant discipline. 3) MCA/M.Sc(Computer Science/ Computer Science & Engineering/IT) or M.Sc (Math/ Statistics) with Computer /IT as a major subject.
2.	M.Tech (VLSI Design)	Minimum 60% or equivalent in the qualifying exam as under: 1) B.Tech./B.E. Degree in Electronics & Communication Engineering /Electronics & Electrical Engineering / Electrical Engineering / Electronics & Instrumentation Engineering / Electronics & Telecommunication Engineering /Computer Science Engineering /Information Technology/Information Science Engineering or equivalent from a recognized University. 2) AMIE/ AMIETE in relevant discipline. 3) M.Sc (Electronics/Physics with Electronics/ Informatics/ Computer Sciences)
3.	M.Tech (Information Security Management)	Minimum 60% or equivalent in the qualifying exam as under: i) B.Tech/B.E. Degree in Computer Science/ Computer Engineering/Computer Science and Engineering/ Information Technology/ Electronics & Communication Engineering/ Software Engineering or equivalent from a recognized University. ii) AMIE/AMIETE in relevant discipline. iii) MCA/MSc.(Computer Science/IT) or M.Sc (Maths/ Statistics) with Computer/IT as a major subject.
4.	M.Tech (Robotics & Automation)	Minimum 60% or equivalent in the qualifying exam as under: 1) B.Tech/B.E Degree in Computer Science/ Computer Engineering/ Instrumentation & Control/ Electronics & Communication Engineering/ Mechanical / Electrical/ Production/ Mechanical & Automation/ Industrial/ Automobile/ Information Technology/Computer Science and Engineering or equivalent from a recognized University. 2) AMIE/AMIETE in relevant discipline.

Relaxation in marks for reserved categories

Candidates belonging to Scheduled Castes/Scheduled Tribes will be allowed 5% relaxation of marks in the minimum eligibility requirement.

Admission Procedure

The admission for M.Tech full time program will be on the basis of the merit of the valid GATE Score secured by candidates and thereafter on the basis of the marks secured in the qualifying examination, as per the eligibility.

M.Tech (ICT) 3 YEAR COURSE (PART TIME)

Eligibility Criteria

A candidate who has obtained any of the following qualification with MINIMUM 60% equivalent in the qualifying examination as under:

    (i)   B.E/B.Tech(CSE/IT/ECE/EEE/Instrumentation or Equivalent)
    (ii)   M.Sc (CSE/IT/Electronics or Equivalent)
    (iii)   MCA/DOEACC-B level

Relaxation in marks for reserved categories

Candidates belonging to Scheduled Castes/Scheduled Tribes will be allowed 5% relaxation of marks in the minimum eligibility requirement.

Admission Procedure

The admission to M.Tech.(ICT) Part time is on the basis of Merit of the marks obtained in the qualifying examination. Preference would be given to the candidates having valid GATE score. Preference shall be made to the candidate having professional/teaching experience in the respective field after completing the qualifying examination.

MCA 3 YEAR COURSE

Eligibility Criteria

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

OR

BCA/BIT/BIS of a recognized University of at least three years duration with at least 60% marks in aggregate or any qualification recognized as equivalent thereto.

Relaxation in marks for reserved categories

Other Backward Class (OBC): 5% concession of marks in the minimum eligibility requirements.
Scheduled Castes (SC) and Scheduled Tribes (ST): 10% concession of marks in the minimum eligibility requirements.

Admission Procedure

The admission to MCA program of IGDTUW is on the basis of rank secured in the entrance examination conducted by IGDTUW. 85% of the total seats are reserved for candidate belonging to Delhi Region (Students passing the qualifying examination from recognized University/ College / Institution located within the NCT of Delhi) and 15% of the total seats for candidates belonging to outside Delhi Region.

Ph.D. PROGRAM

Research is important for both the economic and social development of a nation. IGDTUW has a mission to promote high quality scientific research in the fields of engineering, science and technology, and related areas. IGDTUW offers admission to only female candidates in the Ph.D. program commencing from August, 2018.

The program is designed to encourage research in the frontier areas of science and technology and its applications to produce new technologies for future. The program provides the candidates an enriching research experience enabling them to grow in their professional and academic career. It also helps the students to develop an inquisitive and pragmatic approach blended with sensitivity to the needs of the society and industry.

The Ph.D. Program is open only for female candidates.

CLASSIFICATION OF APPLICANTS

The applicants for admission to the Ph.D. program may apply under any one of the following categories:

(i) Full Time Research Scholar: A person registered for the Ph.D.Degree devoting full time to complete the degree requirements, with or without any financial assistance and satisfying the admission eligibility.

   The persons receiving financial assistance from any sources can further be classified into the following categories:

   - Junior Research Fellow /Senior Research Fellow financed by IGDTUW (IGDTUW-JRF/SRF).

   - JRF financed by other sources like Sponsored Research Projects or various Fellowship Schemes.

(ii) Part-Time Research Scholar: A person who is registered for the Ph.D. degree and will devote part of her time towards their pursuit and devote part of her time towards the discharge of her official obligations.

AREAS OF RESEARCH AND NO. OF SLOTS

The Ph.D. Program is being offered in the following disciplines subject to the availability of vacancy in the relevant research field:

Department	Research Areas	Tentative Slots*
Computer Science & Engineering	Internet of Things (IOT), Wireless Communication Cyber Security, Mobile Computing, Artificial Intelligence, Web Technologies, Natural Language Processing, Big Data Analytics, Fuzzy Database Management, Intelligent Computing, Data & Text Mining, Data Analytics, Big Data Analysis, Computer Education, Embedded systems, Mobile Computing, Wireless Sensor Network, Real Time Systems, Data Mining, Algorithms , Data Science, Sentiment Analysis & opinion Mining, Text Mining, Social Network Analysis, Fuzzy Theory, Information Security, Cyber Security, Image Processing, Video Retrieval, Image Retrieval, Machine Learning	11
Information Technology/ Computer Applications	Software Engineering / Software Testing, Software Project Management, Information Security, Secure Wireless Networks, Big Data Analytics, Cloud Computing, Business Intelligence, Software Reliability, Neural Networks, Data Communication Networks, Data Mining, Natural Language Processing, Semantic Web, Software Engineering.	04
Electronics and Communication	Optical Communication, Digital Signal Processing, VLSI, Strategic MGT, Telecom MGT, VLSI, Analog, Mixed Mode Circuits and Systems Design, Embedded System, Computer Vision, Multimedia Security, Medical Image Processing, VLSI Design, Low Power CMOS Circuits and Analog Integrated Circuits, Micro Electronics, Designing of Fractional Order Differentiators and Integrators, Optimization of Operators, Evolutionary Algorithms, Digital Image Processing, Digital Signal Processing Machine Learning, Digital Image Processing (Medical), Big Data Analytic, Combinatorial optimization (Meta-Heuristic), Decision Science, Power Systems, Power Electronics, Control Systems, Electrical Engineering & Renewable Energy Sources.	16
Mechanical and Automation Engineering	Machine Design Engineering, Tribology Fluid Film Bearing, FEM Computation Engineering, Vibration, Alternate Fuels in IC Engines, Composite Material, Robotics & Automation, Manufacturing & Automation, Production and Automation Engineering, Prosthetics, Thermal Science and Engineering, Thermal Power Plant, Refrigeration and Air- Conditioning, Tribology, Applied Mechanics, Green Manufacturing.	5
Applied Science & Humanities (Physics, Chemistry, Mathematics, English)	Atmospheric Sciences (carbonaceous aerosols, organic compounds and trace gases), Nanocomposites for waste water treatment, Green Corrosion Inhibitors, Nanotechnology, Nano materials, Thin Film Technologies, Applied Optics, Digital Image Processing, Optical Information Processing, Panoramic and 3-D Imaging, Materials Science, Nanoscience and Nanotechnology, English Literature, Communication Studies	Physics: 3 Chemistry :3 English: 01 Mathematics: NIL
	Total	43

*No. of slots are tentative and may vary, depending upon the desired research area of the applicant and availability of slot with the supervisor.

ADMISSION ELIGIBILITY

A. For Full Time Ph.D. Program

i. For Engineering (CSE, IT, MAE, ECE): Degree in M.E. / M.Tech or equivalent from a recognized University/ Institution in the relevant discipline with minimum of 60% marks in aggregate or equivalent CGPA & B.E./B.Tech. or equivalent with minimum of 60% marks in aggregate or equivalent CGPA.

ii. For Computer Application: MCA from a recognized University/ Institution with minimum of 60% marks in aggregate or equivalent CGPA &Graduation Degree (with Sciences and Mathematics) with minimum of 60% marks in aggregate or equivalent CGPA.

iii. For Sciences and Humanities (Mathematics, Physics, Chemistry, English) :Master Degree in the relevant discipline from a recognized University/Institution with 60% marks or equivalent CGPA & undergraduate degree in the relevant discipline with 60% marks in aggregate or equivalent CGPA.

B. For Part Time Ph.D. Program

Faculty working in Educational Institutions, Scientists working in R & D Organizations/Labs, Professionals working in a PSUs/ Corporate/Industry registered under Company's Act.
Provided that:

i. The Applicant possesses the minimum entry qualification for the degree as given in the admission eligibility for full Time Research Scholars

ii. The applicant is presently employed under any of the following categories :
   a. Applicants working in organizations which have MOU with IGDTUW.
   b. Applicants working on Full-Time basis (regular/adhoc/contract) in a National Level R&D Lab/ a reputed organization/ recognised educational institution / university/ PSU/ Corporate/ Industry registered under Company's Act organization.

iii. The Applicant possesses at least two years of relevant teaching/research experience in the above categories at ii(b).

iv. The Applicant proves to the satisfaction of the university that her official duties permit her to devote sufficient time to research.

v. The Applicant gets an NOC from her employer.

vi. Facilities for research are available at the applicant's place of work in the chosen field of research.

ELIGIBILITY FOR IGDTUW-JUNIOR RESEARCH FELLOW (IGDTUW-JRF): A student, who satisfies the minimum eligibility requirement for Full Time Research Scholar, shall be eligible for IGDTUW – JRF, provided that:

i. She has qualified UGC-CSIR-JRF/NET examination or has or qualified GATE with a score above the minimum cut off or qualified RAT examination. A candidate who has appeared in the above examination but is awaiting results may also apply. However, she shall be required to produce a valid documentary evidence of having qualified the examination at the time of the interview.

ii. She is not receiving any financial assistance from any other sources.

Relaxation in Admission Eligibility for Reserved Category Candidates

Candidates belonging to Scheduled Castes/Scheduled Tribes will be allowed 5% relaxation of marks in the minimum eligibility requirement.

FINANCIAL ASSISTANCE

Indira Gandhi Delhi Technical University for Women may provide financial assistance as Junior Research Fellow (IGDTUW-JRF) to some Full Time Research Scholars registered in the Ph.D. Program.

Fellowship Amount

S. No	IGDTUW Fellowship for Ph.D.Program	Revised Fellowship (Per Month)
1.	IGDTUW-JRF	Rs. 25000/-

The Terms & Conditions for IGDTUW-JRF/SRF are available on the university website

ADMISSION PROCESS

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

b) Admission shall be made on the basis of a written Test viz. Research Aptitude Test (RAT) or an interview or both as decided by the Admission Committee of the university.

c) The RAT exam will be conducted in a given subject only if the number of   applications from exempted category applicants is less than 4 times the number of seats available in that subject . However, the university reserves the right to   conduct the RAT and also the application fee of Rs. 1000/- deposited by the applicants is non-refundable irrespective of conduct or non-conduct of RAT examination.

d) In case of conduct of RAT, the exempted category applicants in a subject will not be required to undergo the test for that subject.

The RAT may be conducted in the following disciplines

- Electronics and Communication
- Computer Science / Information Technology/ Computer Applications
- Mechanical & Automation Engineering
- Chemistry
- Physics
- English

e) The RAT shall be waived off for the following applicants subject to the fulfillment of eligibility qualifications(such applicants shall be allowed to appear in the interview directly):
   (i)   Full time female Teaching staff of IGDTUW
   (ii)   Applicants who have qualified UGC-CSIR-JRF/NET/SLET or have qualified GATE with a score above the minimum cut-off.

f) The Syllabi and other related details of the RAT Examination (if   conducted)   would be notified on the University website.

j) All candidates taking admission in the Ph.D. Program shall be   bound by the Ph.D. Ordinances and Regulations of the IGDTUW.

RESERVATION POLICY

Reservation Policy for the academic session 2018-19 will be notified on the website of the University (www.igdtuw.ac.in, www.igdtuwadmission.nic.in) prior to commencement of the counseling for the session 2018-19. The reservation will be as per government policy.

Note: Relaxation of any kind, mentioned anywhere in this Admission Brochure, will be granted to only those candidates, who are able to produce necessary relevant supporting documents as per the Admission Brochure before the Admission Officer present at the Venue of the Counseling/Admission. Therefore, for seeking the relaxation/s, necessary documents must be obtained in advance by all candidates from the Competent Authority as prescribed.

COUNSELING SCHEDULE

1. Detailed schedule of first counseling/admissions indicating the number of qualified candidates for different programs, to be called for counseling will be notified on the website (www.igdtuwadmission.nic.in).

2. Detailed Schedule of Second Counselling for all the programs, depending upon the number of vacancies created on account of withdrawal(s)/any other reason(s), will be displayed on the website (www.igdtuwadmission.nic.in).

3. A candidate, who fails to appear in person on the notified date and time for counselling, shall forfeit her claim for the seat which could be offered to her, had she been present on her turn.

FEE STRUCTURE FOR THE VARIOUS COURSES

Sl. No	Course	Fee structure (2018-19)			
		Tuition fee annum	Student welfare fee (per annum)	Security Deposit	Total
1.	M.Tech (F/T)	75,000	5,000	5,000	85,000
2.	M.Tech (P/T)	80,000	-	5,000	85,000
3.	MCA	75,000	5,000	5,000	85,000
4.	Ph.D	33,000	-	5,000	38,000
5.	B.Tech	75,000	5,000	5,000	85,000
6.	B.Arch	90000	5,000	5,000	1,00,000

*   Fees are subject to revision
**   The regular female academic staff of the Indira Gandhi Delhi Technical University for Women may apply for a 50% tuition fee waiver.

ANTI RAGGING POLICY

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

SUBMISSION OF APPLICATION FORM

The e-brochure may be downloaded from the website (www.igdtuwadmission.nic.in) and application can be filled on line (www.igdtuwadmission.nic.in) by submitting the fee amounting to Rs. 1000/- (One Thousand only). The detailed prospectus is available at (www.igdtuwadmission.nic.in).

Help Desk

For M.Tech admission: **mtechadmission@igdtuw.ac.in**   **01123900211**

For MCA admission: **mcaadmission@igdtuw.ac.in**   **01123900273**

For Ph.D admission: **phdadmission@igdtuw.ac.in**   **01123900274**

Reach us

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Kashmere Gate, Delhi-110006

www.igdtuw.ac.in