

AUGUST - DECEMBER 2023

INDEX

S. No.	Title	Page No.
1.	Message from the Desk of HOD	3
2.	Why CSE Department	4
3.	Salient Features Of CSE Department	5
4.	Vision and Mission Of CSE Department	6
5.	Courses Offered	7
6.	Ph.D Specialization	8
7.	Faculty, Staff, JRF/SRF	9-14
8.	Faculty Achievements	15
9.	Ongoing Projects	16-17
10.	MoU signed and Industry Collaboration	18
11.	Invited/ Expert Lectures/ Seminars	19-21
12.	Conference/ FDP/ Workshop	22-24
13.	Events	25-30
14.	Lab Infrastructure	31-32
15.	Student Achievements	33-38
16.	Placements	39-43
17.	Faculty Publications	44-48
18.	Student Activities	49-51
19.	New Initiatives	52
20.	Editorial Board	53



AUGUST - DECEMBER 2023

MESSAGE FROM THE DESK OF HOD.....



Prof. (Dr.) S.R.N. Reddy

As we navigate through the academic year with zeal and determination, I am pleased to share some highlights and updates from the Department of Computer Science and Engineering (CSE) at IGDTUW.

Our dedicated faculty members continue to inspire and mentor our students, fostering an environment of innovation and excellence. The CSE department remains committed to providing a curriculum that not only equips students with the latest technological skills but also instills in them a passion for lifelong learning.

In the realm of research, our faculty and students have been making remarkable strides, contributing to cutting-edge developments in various areas of computer science. Their efforts have not only earned accolades but have also strengthened our commitment to pushing the boundaries of knowledge.

As we embrace the digital era, the CSE department is actively fostering collaborations with industry leaders to ensure our curriculum remains relevant and aligned with the evolving needs of the technology landscape. These partnerships provide our students with valuable real-world insights and opportunities for internships and placements.

Moreover, we are excited about upcoming events and initiatives that will further enhance the learning experience for our students. From guest lectures by industry experts to hackathons and workshops, we are committed to providing a holistic education that goes beyond traditional classroom boundaries. Thank you and I look forward to another successful and fulfilling academic year.

AUGUST – DECEMBER 2023

WHY CSE DEPARTMENT??

Cutting-Edge Curriculum: Experience a dynamic and industry-relevant curriculum at the CSE department that aligns with the rapidly evolving tech landscape. Explore courses covering artificial intelligence, cybersecurity, data science, and software engineering, tailored to provide you with the sought-after skills by leading employers.

World-Class Faculty: Connect with a community of passionate and experienced faculty who go beyond being teachers, serving as mentors to guide you through every step of your academic journey. Benefit from their expertise, research contributions, and unwavering commitment to your success.

Hands-On Learning: Immerse yourself in hands-on learning through our cutting-edge labs and project-based initiatives, where theory seamlessly meets practice. Gain practical experience by actively participating in real-world projects, hackathons, and collaborations with industry partners.

Research Opportunities: Nurture your curiosity and contribute to groundbreaking research projects. The CSE department actively encourages your involvement in research, providing a platform for you to explore new ideas and innovations.

Industry Connections: Build valuable connections with industry leaders through internships, guest lectures, and networking events. Our extensive network with tech companies ensures that you have access to internship opportunities and potential career paths.

Innovation Hub: Engage with our vibrant innovation ecosystem in the Innovation Hub, offering resources and support for you to bring your entrepreneurial ideas to life, from startup incubators to coding clubs.

Join us at CSE, where innovation meets education, and where your journey to becoming a tech leader begins. Don't just learn about the future – create it!



envisiona.cse@gmail.com

PAGE 4

AUGUST – DECEMBER 2023

SALIENT FEATURES OF CSE DEPARTMENT

Faculty Expertise:

Diverse faculty with expertise in AI, ML, data science, IoT and software engineering.

Research Opportunities:

Opportunities for students in research projects, internships, and industry collaborations.

Infrastructure and Labs:

State-of-the-art laboratories equipped with the latest technology and software.

Industry Connections:

Strong collaboration with industry partners for internships and placement opportunities and focus on real-world experience to enhance students' employability.

Student Projects and Competitions:

Proactive encouragement of student projects, hackathons, and coding competitions.

Curriculum and Elective Courses:

Well-designed curriculum covering fundamental concepts and industry-relevant topics.



AUGUST – DECEMBER 2023

VISION & MISSION OF CSE DEPARTMENT

VISION

To develop a highly skilled professional workforce by innovation-based teaching which can work at global academic and professional standards, thus creating an impact on global forums in the area of Computer Science and Engineering.

MISSION

- To provide excellent infrastructure and software tools to students that will accelerate their learnings.
- To provide a highly academic and research-oriented environment in the department.
- To organize frequent co-curricular activities like expert lectures/ workshops/ symposia/conferences to provide the best holistic learning environment.
- To inculcate good human values in students and to make them adopt an attitude of serving the nation.



AUGUST - DECEMBER 2023

COURSES OFFERED

S. No.	Name of Course	Year	Batch	Total No. of Students
1	B.Tech	1 st Year	CSE 1	77
			CSE 2	78
			CSE 3	77
		2 nd Year	CSE 1	77
			CSE 2	77
			CSE 3	75
		3 rd Year	CSE 1	76
			CSE 2	72
			CSE 3	73
		4 th Year	CSE 1	95
			CSE 2	103
		2	M.Tech	1 st Year
2 nd Year				15
3	Ph. D			39
Total				958

 AUGUST - DECEMBER 2023

PH.D SPECIALIZATION

S. No.	Specialization	No. of Students
1.	NLP	3
2.	Data Mining	2
3.	IoT Protocol	1
4.	Machine Learning/ Deep Learning	16
5.	Data Fusion	1
6.	Sentiment Analysis	1
7.	Artificial Intelligence of Things	3
8.	Networking	3
9.	Real Time Operating System	1
10.	Biometric	2
11.	COURSE WORK	6
Total		39



AUGUST - DECEMBER 2023

FACULTY DIRECTORY

Prof. S.R.N. Reddy
(Head of Department)

Qualification: Ph.D. (CS & IT), JNU, M.Tech. (Computer Sc. & Technology), JNU

Area of Interest: Internet of Things (IoT), Artificial Internet of Things (AIoT), WSN, Embedded Systems, Cloud Computing, Mobile Computing



Prof. Ela Kumar

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

Area of Interest: Machine learning, Neural Network and Deep learning

Prof. Devendra Tayal
(Chief Proctor)

Qualification: Ph.D. (Computer Sc. & Technology), JNU, M.Tech. (Computer Sc. & Technology), JNU, MSc (Maths), Delhi University, BSc (Honours) Maths, Delhi University

Area of Interest: Artificial Intelligence, Database Management Systems, Fuzzy Logic, Data Mining, Graph Theory, Theory of Computation



AUGUST – DECEMBER 2023

FACULTY DIRECTORY

Prof. Seeja K. R.**(Dean Examination Affairs)**

Qualification: Ph.D (Computer Science) (Jamia Hamdard), M.E (Computer Science & Engineering)(Madurai Kamaraj University), B.E (Computer Engineering (M.S.University, Thirunelveli)

Area of Interest: Data Structures, Machine Learning, Deep Learning, Design & Analysis of Algorithms

**Mr. B. Indra Thannaya**

Qualification: M.Tech. (Computer Sc. With Software Engineering) JNTU, Hyderabad, B.Tech. (Computer Sc. & engineering) Andhra University

Area of Interest: Software Architecture, Software Re-engineering.

Ms. Vibha

Qualification: Pursuing Ph.D from GGSIPU, Delhi, M.Tech. (CSE) from MNNIT Allahabad, M.Sc. (Computer Science) from Allahabad University.

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

**Ms. Najme Zehra Naqvi**

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

Area of Interest: Embedded Systems, Computer Architecture, Operating System



envisiona.cse@gmail.com

PAGE 10

AUGUST - DECEMBER 2023

FACULTY DIRECTORY

Dr. Vivekanand Jha

Qualification: Ph.D. in Computer Science and Engineering, M.Tech in Information Technology , B.Tech in Computer Science and Information Technology

Area of Interest: Data Structure and Algorithms, Computer Networks, Wireless Networks, Internet of Things (IoT), Wireless Sensor Networks, Programming Languages.

**Ms. Monika Choudhary**

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

Area of Interest: Cloud Computing, Machine Learning, Operating Systems

Dr. Arunima Jaiswal

Qualification: Ph.D DTU, M.Tech DTU, B.Tech USIT, GGSIPU

Area of Interest: Artificial Intelligence, Object Oriented Programming, Operating Systems, Data Mining, Software Engineering

**Dr. Ravinder M.**

Qualification: B.Tech (CSE) M.Tech (CS) Ph.D (CSE)

Area of Interest: Image Processing, Image Retrieval, Video Retrieval, Machine Learning and Deep Learning

AUGUST – DECEMBER 2023

FACULTY DIRECTORY

Dr. Khyati Ahlawat

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

Area of Interest: Big Data Analytics, Data Mining, Software Engineering, Database Management System

**Ms. Karuna Kadian**

Qualification: Ph.D Pursuing [Computer Science], Thapar Institute of Engineering and Technology, Patiala, M.Tech. [Information Technology], U.S.I.C.T., Guru Gobind Singh Indraprastha University, Delhi. B.Tech. [Computer Science and Engineering], Guru Gobind Singh Indraprastha University, Delhi.

Area of Interest: Quantum Computing, Blockchain Technology, Theory of Automata, Evolutionary Computing, Software Engineering, Artificial Intelligence

**Ms. Bhawna Jain**

Qualification: Ph.D (Computer Science) (Pursuing, DTU - Oakland University, USA), M.Tech (Software Engineering) (Delhi Technological University) and B.Tech (Computer Science) (University of Delhi)

Area of Interest: Algorithms, Data Structures, Database Management Systems, Operating Systems, Machine Learning, Software Engineering

**Dr. Vijay Kr. Yadav**

Qualification: Ph.D (Indian Institute of Information Technology Allahabad), M. TECH- Cyber Law and Information Security (IT)

Area of Interest: Operating System, Computer Network, Cryptography, Advance Cryptography



envisiona.cse@gmail.com

PAGE 12

AUGUST - DECEMBER 2023

STAFF



Mr K. Bala Chandar
Senior Technical Assistant



Ms. Aarti Gambhir
Senior Technical Assistant



Ms. Pooja Munjal
Assistant



Mr. Brijesh
Office Support Staff



Mr. Rajeev Thakur
Office Support Staff

AUGUST - DECEMBER 2023

JUNIOR/SENIOR RESEARCH FELLOWS



Ms. Divanshi P. Wangoo



Ms. Divya Joshi



Ms. Rajni Sharma



Ms. Kavita



Ms. Rishika Anand



Ms. Deepika Suhag



Ms. Juli



Ms. Purna Sharma



Ms. Yashima Hooda



Ms. Aditi Sabharwal



Ms. Sapna Vats



Ms. Shruty Ahuja



Ms. Richa Raj

AUGUST – DECEMBER 2023

FACULTY ACHIEVEMENTS



PROF. SRN REDDY

Prof. SRN Reddy delivered various expert lectures:

- ❖ December 30, 2023: "IOT Product Design and Deployment: Case Studies and Collaborative Approach" at Vasavi College of Engineering.
- ❖ September 14, 2023: "Design and Development of IoT Devices - A Practical Project Based Approach" at JNTU, Sultanpur.
- ❖ September 13, 2023: "Design and Development of IoT Devices - A Practical Approach: Challenges and Opportunities" at NIT, Warangal.
- ❖ August 21, 2023: "An IoT Product Design and Deployment - Some Case Studies" in a Two-week Online Refresher Course on "Internet of Things" from August 7th to 22nd, 2023.
- ❖ September 9, 2023: "Design and Development of Smart Devices - A Practical Approach towards Students' Projects" at SV College, Tirupathi.

Delivered a talk in the Faculty Training & Learning Series-01 on the topic "Ant Colony Optimization" held on 17 October, 2023, organised by the School of Sciences at CHRIST (Deemed to be University), Delhi NCR campus.



PROF. SEEJA K. R.



DR. VIJAY KR. YADAV

Served as the Co-Session Chair for O-COCOSODA 23 and AIST-2023.

Achieved the Best Paper Award for "Scaling Language Boundaries: MQA in LLMs" at AIST 2023.



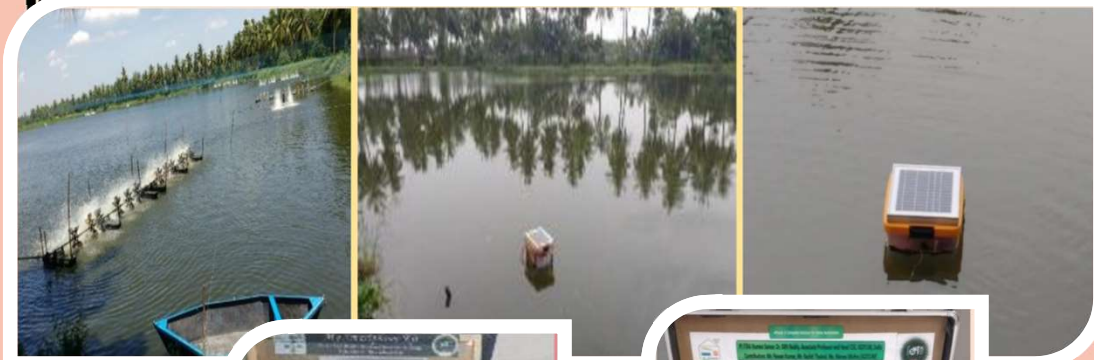
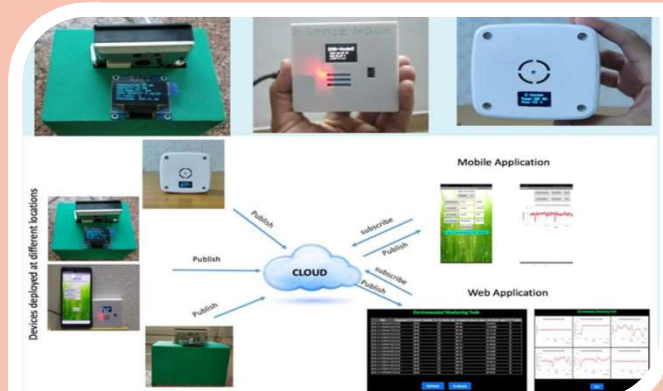
MS. KARUNA KADIAN

AUGUST - DECEMBER 2023

ONGOING PROJECTS

Design and Innovation Project

Dr. (Prof.) S. R. N. Reddy, CSE Department, IGDTUW is the PI of this project. The objective is to create laboratories & infrastructure which is necessary for the development of an ecosystem for the Design and Innovation lab. The DIC labs provide creating facilities for ideation, prototyping, and validation. It provide a conducive space & resources for ideation, computational tools, inventory necessary for concept development, and facilities for quick prototype & testing. It also provide outreach programs such as summer /winter workshops/training programs in the area of product design for students and faculty to bridge gap between theory and industry.



envisiona.cse@gmail.com

PAGE 16

AUGUST – DECEMBER 2023

ONGOING PROJECTS

Intel Real Sense Project

In 2015, Professor SRN Reddy assumed the role of Principal Investigator for the Intel RealSense project, securing a substantial grant of 4 lakhs from Intel. This significant research initiative placed Professor Reddy at the forefront of advancing technologies, as he led the project with the support and resources provided by Intel. The grant not only underscored Intel's confidence in Professor Reddy's capabilities but also demonstrated a commitment to fostering innovation and breakthroughs in the realm of RealSense technology. Under Professor SRN Reddy's leadership, the project aimed to explore and develop cutting-edge applications, harnessing the potential of Intel RealSense to push the boundaries of technological advancement.

Intel IoT Center for Excellence

In 2015, Professor SRN Reddy assumed the role of Principal Investigator for the Intel IoT Center for Excellence project, having secured a substantial grant of 2.25 lakhs from Intel. This marked a pivotal moment in Professor Reddy's academic and research endeavors, as he took on the responsibility to lead and drive innovation in the realm of Internet of Things (IoT). The grant from Intel not only reflected their confidence in Professor Reddy's expertise but also demonstrated a shared commitment to advancing excellence in IoT technology. Guided by Professor SRN Reddy's leadership, the project aimed to explore and implement groundbreaking applications within the IoT landscape, leveraging Intel's support to propel advancements in this burgeoning field.

Detection of Cause of Life Threatening Disease by Examining the Human Genome in Microarray Data Using Distributed Implementation of Algorithms

Prof. Devendra Tayal, CSE Department, IGDTUW is the PI of this project. This project is for three years funded by DST with a total grant of 39.5 lakhs. The objective is to Design, Develop and Deploy the Cloud Based approach that embraces different Deep Learning techniques because of the Virtualization of disease prediction and to identify the root cause of life threatening disease by computational analysis of Microarray Data using Data Science algorithms in a distributed manner, which can also handle the "Curse of Dimensionality" problem of Microarray data.



AUGUST - DECEMBER 2023

MOUS SIGNED & INDUSTRY COLLABORATION



STRENGTHENING NEPAL - INDIA BILATERAL TECH RELATIONS

His Excellency Dr. Shankar Prasad Sharma, Ambassador of Nepal to India during the Event "Strengthening Nepal-India Bilateral Tech Relations" held in the Embassy of NEPAL, New Delhi on September 4, 2023.

The Tripartite Memorandum of Understanding was signed between IGDTUW, IOE- Pulchowk Campus-Nepal and Genese Academy.



MOU signed with ServiceNow



MOU signed with Oakland University, USA

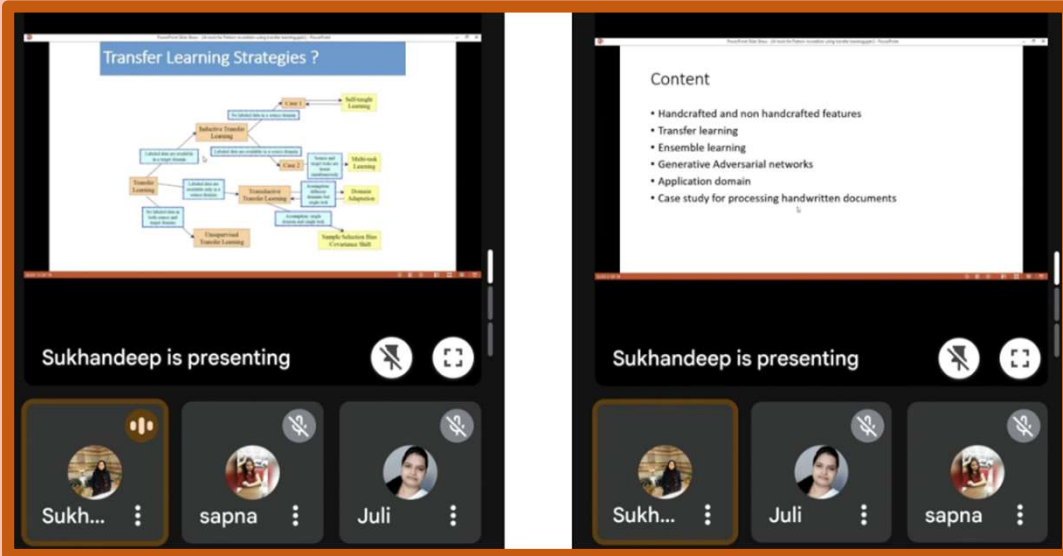


AUGUST - DECEMBER 2023

INVITED/ EXPERT LECTURES/SEMINARS



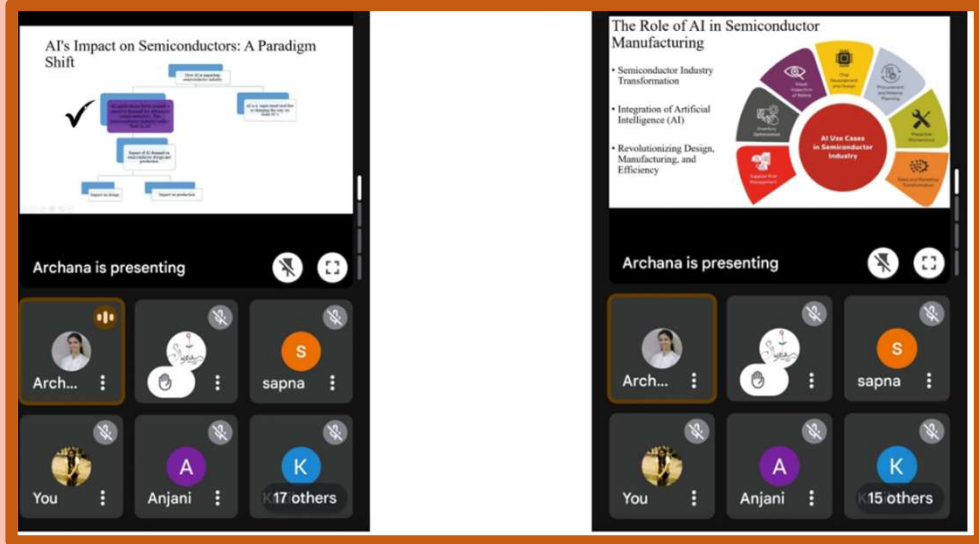
Expert talk on "Data Visualization for Economic Growth" by Dr. Abha Kiran Rajpoot on 22 December for Viksit Bharat.



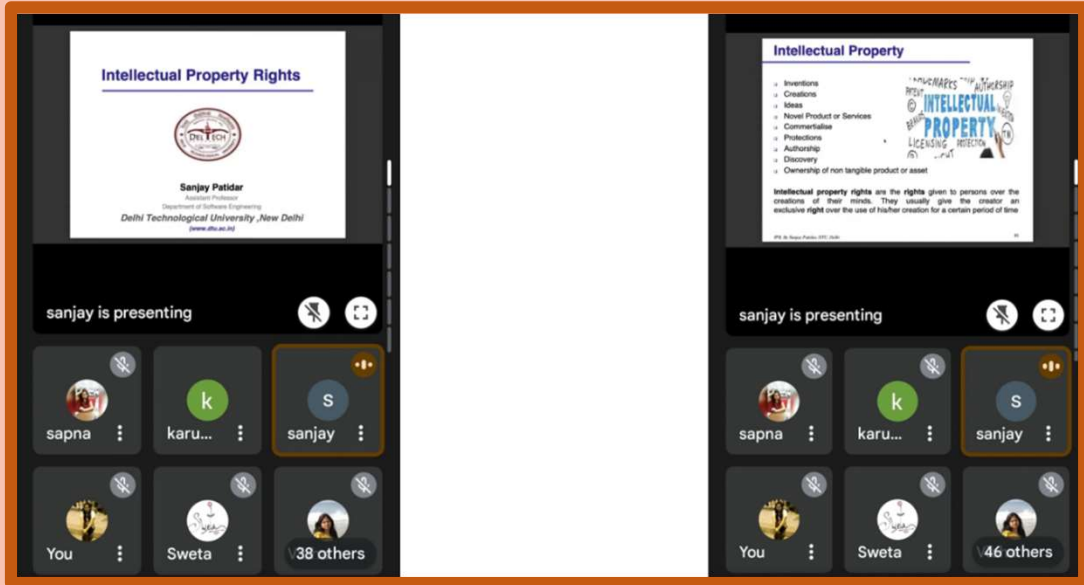
Expert talk on "Transfer Learning and GANS" by Dr. Sukhandeep Kaur on 22 November.

AUGUST - DECEMBER 2023

INVITED/ EXPERT LECTURES/SEMINARS



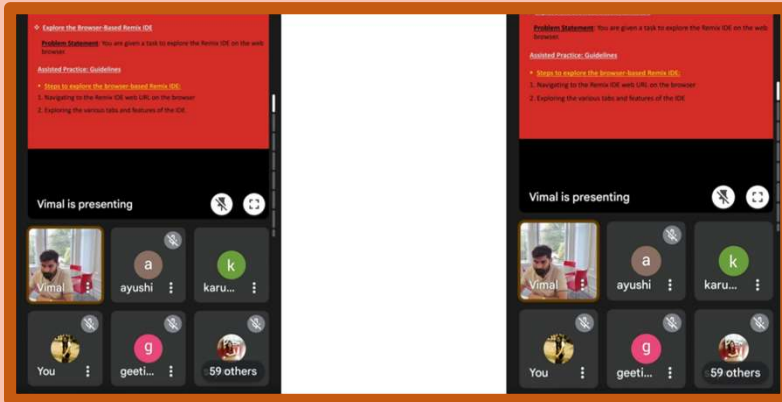
Expert talk in "The Transformation of the Semiconductor Industry: Embracing AI for Limitless Innovation" by Dr. Archana Pandey on 31 October



Expert talk on "Intellectual Property Rights" by Mr. Sanjay Patidar on 25 September 2023

AUGUST – DECEMBER 2023

INVITED/ EXPERT LECTURES/SEMINARS



Expert talk on
"Development of smart
contract on Ethereum
using Solidity" by Dr.
Vimal Dwivedi on 29
August.

Expert talk on "Deep Learning Revolution: Unveiling the Real-Life Impact of Artificial Neural Networks" by Dr. Sanjay Kumar on 24 July 2023
The speaker gave session on "Deep Learning Revolution: Unveiling the Real-Life Impact of Artificial Neural Networks" was a great success, with students gaining a deeper understanding of the topic. The session was well-structured, and the students were able to gain practical knowledge and code implementation experience. The guidance provided by Dr. Sanjay Kumar was highly appreciated by the students.



Expert talk on recent security and privacy challenges for Vikshit Bharat

AUGUST - DECEMBER 2023

CONFERENCE/ FDP/ WORKSHOP



AIST - 2023



IEEE Xplore®
Digital Library

26TH INTERNATIONAL CONFERENCE
O-COCOSDA 2023
VALEDICTORY CEREMONY



O-COCOSDA 2023

AUGUST - DECEMBER 2023

CONFERENCE/ FDP/ WORKSHOP



Python APIs & its Real World Applications on 14th November 2023 at IGDTUW.

 envisiona.cse@gmail.com

PAGE 23

AUGUST – DECEMBER 2023

CONFERENCE/ FDP/ WORKSHOP



Google Developer Student Clubs
Indira Gandhi Delhi Technical University For Women



AssetMantle
Student chapter IGDTUW

CSE DEPARTMENT WITH
ASSETMANTLE X GDSC
presents
2-DAYS WORKSHOP
on
EMERGING
TECHNOLOGIES
WEB3.0

Prof. Arun Sharma
HOD-CSE

Ms. Karuna Kadian
Faculty coordinator
Asst. Prof., CSE

Dr. Vijay Kumar
Faculty coordinator
Asst Prof, CSE

26-27th October
 9:00 A.M. onwards
 Auditorium, IGDTUW

Two Day workshop on “Emerging Technologies Web 3.0”
from 26-27th October 2023



envisiona.cse@gmail.com

PAGE 24

AUGUST - DECEMBER 2023

EVENTS
Orientation Day Program



AUGUST – DECEMBER 2023

EVENTS
Convocation Day



Indira Gandhi Delhi Technical University for Women



6th Convocation

Chief Guest



Shri M. Venkaiah Naidu
Former Vice President of India
will deliver the Convocation address

Shri Vinai Kumar Saxena
Hon'ble Lieutenant Governor, Delhi and Chancellor, IGDTUW
shall preside over the convocation and deliver the Presidential address



AUGUST - DECEMBER 2023

EVENTS

Independence Day Celebration



INDEPENDENCE DAY CELEBRATION AT IGDTUW

AUGUST - DECEMBER 2023

EVENTS

Remembering The Partition



AUGUST - DECEMBER 2023

EVENTS

Viksit Bharat 2047 Launch



AUGUST - DECEMBER 2023

EVENTS
Teachers Day Celebration



 AUGUST – DECEMBER 2023

LABS INFRASTRUCTURE

DBMS Lab

This lab is used to conduct the practicals based on DBMS, Multimedia and Computer graphics for all the branches of students.

Softwares in Lab

- Visual C++
- Rational Rose
- PASW Modeller 13.0

Lab Incharge : Prof. D. K. Tayal

Lab Assistant : Ms. Aarti Gambhir



Machine Learning Lab

This lab is used to conduct the practicals based on Machine Learning, Data analysis and computer vision for all the branches of students.

Softwares in Lab

- Anaconda
- Python IDE

Lab Incharge : Prof. Seeja K R

Lab Assistant : Ms. Aarti Gambhir

Networking Lab

This lab is used to conduct the practicals based on networking for all the branches of students.

Softwares in Lab

- NS2

Lab Incharge : Dr. Vivekanand Jha

Lab Assistant : Ms. Pooja



envisiona.cse@gmail.com

PAGE 31

AUGUST – DECEMBER 2023

LABS INFRASTRUCTURE

Design & Innovation Lab

The DIC labs will provide creating facilities for ideation, prototyping and validation .it will be providing a conducive space & resources for ideation, computational tools & inventory necessary for concept development and facilities for quick prototype & testing.

Softwares in Lab

- Android Studio
- Arduino
- Anaconda

Hardwares in Lab

- Soldering Machine
- Stencil Printer
- 3D Printer
- Laser Cutting Machine
- SMT Pick and Place Machine
- PCB Making Machine



Lab Incharge : Prof. SRN Reddy

Lab Assistant : Mr. K Bala Chander



envisiona.cse@gmail.com

PAGE 32

AUGUST - DECEMBER 2023

STUDENT ACHIEVEMENTS



Jagriti Verma, B.tech 3rd Year
Eth Global India 2023 winner -
1st place in xdc (cash price of
\$4500 and a trip to dubai to meet
the founders of xdc network)

Drishti Rani, B.Tech 3rd Year

Grand Fianlist at Smart India Hackathon (only team from IGDTUW to get selected for Grand Finale), Got featured in Newspaper for that and had live interaction with PM Modi during hackthon



Khushi Rawat, B.Tech 3rd Year

HustleX 1.0 - 1st runner up (prize worth 1,15,000 rupees)

AUGUST – DECEMBER 2023

STUDENT ACHIEVEMENTS

**Monalika Patnaik, B.tech 3rd Year**

Mentor at Codess Café

- Generation Google Scholarship APAC region offering total amount of \$2500
- Mentor at CodePeak, a month-long open-source program organized by Coding Club IIT Guhawati in collab with IIT Patna.
- Project Admin at GirlScript Summer of Code (GSSOC) '23.
- Got Harvard WeCode WeAmplify Scholarship 2023 to attend the largest women-only conference in the world.

Ankita Ghosh, B.tech 3rd Year

- Stood 1st in Medicamentum 2023 (Cash prize of Rs. 5000)
Stood 1st in All Girls Team and frontend with Fastn Category in Hack The Mountains 4.0 (Cash Prize of Rs 10000)
- Teacher under CBSE for Army Public School

**Sona Varshney, B.tech 3rd Year**

- Grand Finalist Smart India Hackathon 2023
- Selected as one of the 55 recipients of the Generation Google Scholarship for Women in Computer Science (APAC) '23 offering a total amount of \$2500

Saumya Mehra, B.tech 3rd Year

- Grand Finalist in the Smart India Hackathon 2023
- Received the Google Generation Scholarship 2023. Selected as part of top 55 candidates in Asia to receive this and awarded a stipend of \$2500 (INR 2,05,000)



envisiona.cse@gmail.com

PAGE 34

 AUGUST – DECEMBER 2023

STUDENT ACHIEVEMENTS



Manasvvi Aggarwal, B.tech 4th Year

Mentor at Codess Café

- Reached final round of Flipkart Grid 5.0
- Mentor at Codess.Cafe



Anmol Jha, B.tech 4th Year

XROS Fellowship Program, a FICCI initiative supported by Meta: She was felicitated by Mr. Abhishek Singh (IAS, President & CEO, National e-Governance Division (NeGD), Ministry of Electronics and Information Technology (MeitY) Government of India), Mr. Ashish Kulkarni (Chair FICCI, AVGC – XR Forum & Founder Punneryug Artvision Pvt. Ltd.) and Mr. Sunil Abraham (Public Policy Director, Meta).



Anu Sharma, B.tech 4th Year

Won the 1st place in Equinix Girls in Tech Coding challenge, and received a MacBook Pro as a prize. Won the 3rd runner up place among 70000+ participants in Techgig Geek Goddess, largest coding competition for women, and won a cash prize of Rs 50,000. Secured Global Rank 11 in ICPC Algo Queen World Finals.



envisiona.cse@gmail.com

PAGE 35

AUGUST – DECEMBER 2023

STUDENT ACHIEVEMENTS



Drishti Rani, B.tech 3rd Year

- Grand Finalist in Smart India Hackathon.
- Got Featured in PinkCity Post for SIH 2023

Jiya Garg, B.tech 3rd Year
Generation Google Scholarship APAC region
offering total amount of \$2500



Ananya Bhardwaj, B.Tech 3rd Year
Grand Finalist in Smart India Hackathon 2023

Prerna Singh, B.Tech 3rd Year
Grand Finalist in Smart India Hackathon 2023
held during 19th-20th December 2023 at PIET,
Jaipur



AUGUST - DECEMBER 2023

STUDENT ACHIEVEMENTS

Foreign Internship



Monalika Patnaik, B.tech 3rd Year
Outreachy Internship'23 at Openfoodfacts
under the Perl & Raku Foundation.

Nikhila K S, B.Tech 3rd Year
Outreachy Internship'23 at Mboalab



PhD Awarded



Dr. Pallavi Pandey
Supervisor : Prof. Seeja K. R.
Title: Subject independent emotion recognition
from Electroencephalography signal

AUGUST - DECEMBER 2023

STUDENT ACHIEVEMENTS

Student Publications

Drishti Rani, Sona Varshney, B.Tech 3rd Year- Rani, Drishti, Bhawna Jain, Harshita Verma, and Sona Varshney. "ECAPA-Based Speaker Verification of Virtual Assistants: A Transfer Learning Approach." In 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), pp. 1-7. IEEE, 2023. [Webpage](#)



Prerna Singh, B.Tech 3rd Year - Singh, Prerna, Bhawna Jain, and Kirti Sinha. "Evaluating Bert and GPT-2 Models for Personalised LinkedIn Post Recommendation." In 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), pp. 1-7. IEEE, 2023. [Webpage](#)



AUGUST - DECEMBER 2023

PLACEMENTS (B.TECH, 2020-2024)

Name of the Company/ Institute	No. of Placed Students	As FTE	As Interns	Dual Offer	Internship Stipend (Rs) per month	CTC (LPA)
Adobe	4	4	3	3	100000	56
Airtel	1	1	0	0	-	14.75
Airtel payment bank	2	2	0	0	-	14.75
Amazon Web Services	3	3	3	3	50000	52.89
American Express	3	3	3	3	85000	18.94
AQR	1	1	0	0		31.5
Atlassian	2	2	0	0	-	34.28
Bain	1	0	1	0	40000	-
Barclays	4	4	0	0	-	13.5
BNY Mellon	1	1	1	1	75000	22
British Telecom	1	1	1	1	60000	17
Cisco	3	3	3	3	98000	21.19
CitiBank	4	4	0	0	-	18
Deloitte	5	5	0	0	-	7.6
Deutsche Bank	1	1	0	0	-	19.63
Disney+Hotstar	2	0	2	0	100000	-
Expedia Group	1	1	0	0		27
Fidelity International	2	2	0	0	-	9
Flipkart	2	1	2	0	100000	32.57
Goldman Sachs	4	4	0	0	-	24
Google	5	5	0	0	-	33
HPE	2	1	2	1	40000	17.5
Intuit	4	4	4	4	100000	44.92
JPMC	10	10	10	10	75000	19.75
Lowe's	2	2	0	0	-	19.86



AUGUST - DECEMBER 2023

PLACEMENTS (B.TECH, 2020-2024)

Name of the Company/ Institute	No. of Placed Students	As FTE	As Interns	Dual Offer	Internship Stipend (Rs) per month	CTC (LPA)
Mercari	3	3	3	3	50000	16.72
Microsoft	13	13	0	0	-	51
Moody's Analytics	3	3	0	0	-	10.99
Morgan Stanley	5	5	5	5	87000	29.48
Nomura	3	0	3	0	75000	-
Oracle	1	1	0	0		19.18
PhonePe	1	1	1	1	40000	16
Publicis Sapient	2	2	0	0	-	16.63
PwC	1	1	0	0	-	8.99
Salesforce	3	3	0	0	-	44.47
Samsung R&D ,noida	2	2	0	0	-	15.5
Sap Labs India	8	8	1	1	35000	24.62
Servicenow	1	1	0	0		42
Synopsys	1	1	1	1	40000	21.83
TATA Motors	5	5	0	0	-	10.5
Tesco	2	2	0	0	-	20.98
Uber	2	2	0	0	-	38
UKG	1	1	0	0		15.5
United Airlines	2	2	0	0	-	8.5
Urban Company	2	2	2	2	50000	30
Visa	7	7	3	3	90000	28.54
Walmart	2	2	1	1	100000	21.89
Wells Fargo	7	7	0	0		24
Zynga	2	0	2	0	80000	



AUGUST – DECEMBER 2023

INTERNSHIP (B.TECH, 2021-2025)

S. No.	Name of Company	No. of Interns	Internship Stipend (per month)
1	Adobe	5	100000
2	Amazon	1	110000
3	Arcesium	1	125000
4	Barclays	1	104803
5	BNY Mellon	3	75000
6	Citibank	4	75000
7	Goldman Sachs	1	100000
8	Google	1	114000
9	Intuit	1	100000
10	JPMorgan Chase & Co.	1	75000
11	Microsoft	5	125000
12	Morgan Stanley	1	87000
13	Salesforce	2	150000
14	SAP Labs	1	35000
15	Uber	1	177000
16	Urban Company	1	50000
17	Visa	1	65000
18	Wells Fargo	2	90000
19	Western Digital	1	35000



AUGUST - DECEMBER 2023

PLACEMENTS (M.TECH)

S. No.	Name of company/ institution	Number of students placed	AS FTE	AS Intern	Dual offer	Internship stipend	CTC (LPA)
1	Dell	3	0	3	NA	35,000	NA
2	BCG	4	0	4	NA	35,000	NA
3	Nokia	2	0	2	NA	30,000	NA
4	Cisco	1	1	1	1	1,22,000	27.80
5	Moody's	2	2	0	0	NA	11
6	Deloitte	2	2	0	0	NA	7.60
7	Dunnhumby	2	2	0	0	NA	12.61
8	Accenture	1	1	0	0	NA	13.60



AUGUST – DECEMBER 2023

STUDENTS WITH HIGHEST PACKAGE



Krishna Agarwal,
B.Tech CSE, 4th Year

Got highest placement
package of Rs 56 lakh/annum
by Adobe



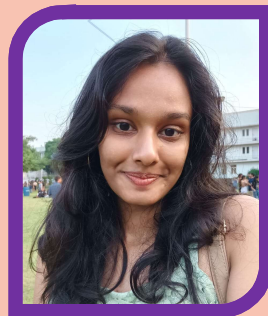
Anshika Aggarwal,
B.Tech CSE, 4th Year



Diksha Bhardwaj,
B.Tech CSE, 4th Year



Manya Sachdeva,
B.Tech CSE, 4th Year



Shravani Nag, B.Tech CSE, 3rd Year
Got highest internship stipend of Rs
1,77,000 by Uber

Kajal Chauhan, M.Tech CSAI, 2nd Year
Got highest placement package of Rs
27,80,333 per annum by Cisco



**"EXTEND YOUR ARMS IN WELCOME TO THE FUTURE.
THE BEST IS YET TO COME!"**



envisiona.cse@gmail.com

PAGE 43

AUGUST - DECEMBER 2023

FACULTY PUBLICATIONS
JOURNAL PUBLICATIONS

1. Srivastava, Neha, and Devendra K. Tayal. "Assessing gene stability and gene affinity in microarray data classification using an extended relieff algorithm." *Multimedia Tools and Applications* (2023): 1-16. [Webpage](#)
2. Rani, Poonam, Devendra K. Tayal, and M. P. S. Bhatia. "Sociocentric SNA on fuzzy graph social network model." *Soft Computing* 27, no. 18 (2023): 13201-13216. [Webpage](#)
3. Gupta, Kavya, Devendra Kumar Tayal, and Aarti Jain. "An energy-efficient hierarchical data fusion approach in IoT." *Multimedia Tools and Applications* (2023): 1-23. [Webpage](#)
4. Kaur, Binwant, Aastha Chaudhary, Shahina Bano, Yashmita, S. R. N. Reddy, and Rishika Anand. "Fostering inclusivity through effective communication: Real-time sign language to speech conversion system for the deaf and hard-of-hearing community." *Multimedia Tools and Applications* (2023): 1-22. [Webpage](#)
5. Tyagi, Shivangi, S. R. N. Reddy, Rishika Anand, and Aditi Sabharwal. "Enhancing rice crop health: a light weighted CNN-based disease detection system with mobile application integration." *Multimedia Tools and Applications* (2023): 1-31. [Webpage](#)
6. Yadav, Anu, and Ela Kumar. "Instance segmentation of real time video for object detection using hybrid Mask RCNN-SVM." *Multimedia Tools and Applications* (2023): 1-21. [Webpage](#)
7. Kumar, Aishwarya, and K. R. Seeja. "Periocular Region based Gender Identification using Transfer Learning." *International Journal of Cognitive Computing in Engineering* 4 (2023): 277-286. [Webpage](#)
8. Garg, Nikita, Srishti Negi, Ridhima Nagar, Shruthi Rao, and Seeja KR. "Multivariate multi-step LSTM model for flood runoff prediction: a case study on the Godavari River Basin in India." *Journal of Water and Climate Change* 14, no. 10 (2023): 3635-3647. [Webpage](#)



AUGUST - DECEMBER 2023

FACULTY PUBLICATIONS

JOURNAL PUBLICATIONS

10. Rajpoot, Arpita, and K. R. Seeja. "Enhancing rare retinal disease classification: a few-shot meta-learning framework utilizing fundus images." *Multimedia Tools and Applications* (2023): 1-19. [Webpage](#)
11. Tyagi, Srishti, and Vivekanand Jha. "Energy centric reputation index and fuzzy-based clustering for wireless sensor networks." *Applied Soft Computing* 146 (2023): 110602. [Webpage](#)
12. Suhag, Deepika, and Vivekanand Jha. "A comprehensive survey on mobile crowdsensing systems." *Journal of Systems Architecture* (2023): 102952. [Webpage](#)
13. Ravinder, M., Garima Saluja, Sarah Allabun, Mohammed S. Alqahtani, Mohamed Abbas, Manal Othman, and Ben Othman Soufiene. "Enhanced brain tumor classification using graph convolutional neural network architecture." *Scientific Reports* 13, no. 1 (2023): 14938. [Webpage](#)
14. Ravinder, M., Vaidehi Gupta, Kanishka Arora, Arti Ranjan, and Yu-Chen Hu. "Video-Captioning Evaluation Metric for Segments (VEMS): A Metric for Segment-level Evaluation of Video Captions with Weighted Frames." *Multimedia Tools and Applications* (2023): 1-35. [Webpage](#)
15. Sharma, Rajni, and M. Ravinder. "Remote sensing image segmentation using feature based fusion on FCM clustering algorithm." *Complex & Intelligent Systems* 9, no. 6 (2023): 7423-7437. [Webpage](#)
16. Yadav, Vijay Kumar. "Anonymous and Linkable Ring Signcryption Scheme for Location-based Services in VANETs." *Vehicular Communications* (2023): 100717. [Webpage](#)



AUGUST - DECEMBER 2023

FACULTY PUBLICATIONS

CONFERENCE PUBLICATIONS

1. Agarwal, Nidhi, and Devendra K. Tayal. "A Novel Model to Predict the Whack of Pandemics on the International Rankings of Academia." In *International Conference on Intelligent Systems and Machine Learning*, pp. 24-38. Cham: Springer Nature Switzerland, 2022. [Webpage](#)
2. Anushka, Nidhi Agarwal, Devendra K. Tayal, Vrinda Abrol, Deepakshi, Yashica Garg, and Anjali Jha. "Predicting Credit Card Defaults with Machine Learning Algorithm Using Customer Database." In *International Conference on Intelligent Systems and Machine Learning*, pp. 262-277. Cham: Springer Nature Switzerland, 2022. [Webpage](#)
3. Jha, Anjali, Nidhi Agarwal, Devendra K. Tayal, Vrinda Abrol, Deepakshi, Yashica Garg, and Anushka. "Movie Recommendation Using Content-Based and Collaborative Filtering Approach." In *International Conference on Intelligent Systems and Machine Learning*, pp. 439-450. Cham: Springer Nature Switzerland, 2022. [Webpage](#)
4. Tayal, Devendra K., and Neha Srivastava. "Feature Selection using Enhanced Nature Optimization Technique." In *2023 International Conference on Advances in Intelligent Computing and Applications (AICAPS)*, pp. 1-8. IEEE, 2023. [Webpage](#)
5. Tayal, Devendra K., Neha Srivastava, and Urshi Singh. "Diagnosis of Middle Ear Diseases using Deep Learning Paradigm." In *2023 International Conference on Advances in Intelligent Computing and Applications (AICAPS)*, pp. 1-9. IEEE, 2023. [Webpage](#)
6. Agarwal, Nidhi, and Devendra K. Tayal. "A Novel Ensemble Trimming Methodology to Predict Academic Ranks with Elevated Accuracies." In *International Conference on Advances and Applications of Artificial Intelligence and Machine Learning*, pp. 377-388. Singapore: Springer Nature Singapore, 2022. [Webpage](#)



AUGUST - DECEMBER 2023

FACULTY PUBLICATIONS

CONFERENCE PUBLICATIONS

7. Anand, Rishika, S. R. N. Reddy, and Dinesh Kr Yadav. "Non-Invasive Parameter-Based Machine Learning Models for Accurate Diagnosis of Congenital Heart Disease." In *2023 12th International Conference on Advanced Computing (ICoAC)*, pp. 1-6. IEEE, 2023. [Webpage](#)
8. Yashmita, Shahina Bano, Aastha Chaudhary, Binwant Kaur, S. R. N. Reddy, and Rishika Anand. "Unlocking the Power of AI: A Real-Time Translation of Sign Language to Text." In *International Conference on Artificial Intelligence of Things*, pp. 314-330. Cham: Springer Nature Switzerland, 2023. [Webpage](#)
9. Goyal, Varsha, Kavita Sharma, and S. R. N. Reddy. "Local Database Connectivity and UI Design for the Smart Automated Cooker." In *International Conference on Artificial Intelligence of Things*, pp. 189-200. Cham: Springer Nature Switzerland, 2023. [Webpage](#)
10. Kumar, Ela. "Feature Selection-Based Comparative Analysis for Cardiovascular Disease Prediction Using a Machine Learning Model." In *Intelligent Data Analytics, IoT, and Blockchain*, pp. 126-134. Auerbach Publications. [Webpage](#)
11. Gupta, Isha, Divya Chahal, Haripriya Bhargav, Shweta Kumari, and Vibha Pratap. "Brain Tumour: Analysis with Resolution Enhancement Methods Using Machine Learning Techniques." In *International Conference on Emerging Trends and Technologies on Intelligent Systems*, pp. 473-486. Singapore: Springer Nature Singapore, 2023. [Webpage](#)
12. Ghalyan, Riya, Anjali Singh, Karuna Kadian, Vijay Kumar, and Disha Yadav. "Bone X-Ray Classification For Upper Extremity Radiographs." *Journal of Survey in Fisheries Sciences* 10, no. 1S (2023): 7082-7087. [Webpage](#)



AUGUST – DECEMBER 2023

FACULTY PUBLICATIONS

PATENT PUBLICATIONS

1. **Accepted:** “Health monitoring Wearable device”, Application number 396430-001, accepted in Sep-2023.
2. **Accepted:** “IoT Based Weather Monitoring Device” Application number 396431-001, accepted in Sep-2023.



Prof. (Dr.) Devendra Tayal



Prof. (Dr.) Ela Kumar

1. **Published:** Device for classification and labelling of products.
2. **Published:** System and method for monitoring mental health of Pets.



AUGUST - DECEMBER 2023

STUDENT ACTIVITIES



Jhilmil 2023



AUGUST - DECEMBER 2023

STUDENT ACTIVITIES



Innervive 2023



AUGUST - DECEMBER 2023

STUDENT ACTIVITIES

Cleanliness Drive



AUGUST – DECEMBER 2023

NEW INITIATIVES

Hackathons and Coding Challenges: Organizing regular hackathons, coding competitions, and innovation challenges to foster a culture of creativity and problem-solving among students.

Emerging Technologies Focus: Introduction of courses, workshops, and research opportunities focused on emerging technologies such as artificial intelligence, machine learning, blockchain, and quantum computing.

Industry-Academia Collaboration: Strengthening ties with industry partners through collaborative projects, internships, and guest lectures to provide students with real-world insights and experiences.

Consequences for Low Attendance: Students with consistently low attendance may face consequences, such as academic penalties, lower grades, or ineligibility to take exams.



AUGUST - DECEMBER 2023

EDITORIAL BOARD



CHIEF PATRON
Prof. Amita Dev
Vice Chancellor, IGDTUW



PATRON
Prof. SRN Reddy
HOD, CSE, IGDTUW



STUDENT COORDINATOR
Ms. Rishika Anand
Ph.D Scholar, CSE, IGDTUW

AUGUST - DECEMBER 2023



envisiona.cse@gmail.com

PAGE 54