



IT NEWSLETTER



2022-2023

ABOUT UIET

University Institute of Engineering and Technology, a department of Panjab University, has prospered by leaps and bounds over the years achieving great academic heights besides foraying into the top 50 finest engineering colleges of the country. Having been taught by one of the region's best faculties, the students of UIET have been empowered and groomed to take on rigorous challenges in their upcoming lives. The sincere efforts made by respected and glorified alumni in the progress of the institute have further strengthened its fundamentals in a short span of time. The atmosphere of creativity and the enterprising attitude of the students has promoted a spirit of innovation. The recent achievements of students in myriad fields including biotech, mechanical and electrical have set a new trend on the road to establishing a brand name for UIET. Apart from a healthy academic atmosphere and renowned faculty, the institute provides ample exposure to students to discover their abilities in the fields of art, literature and music as it houses a range of literary and cultural committees which have become popular in as well out of the institute.

IT DEPARTMENT

VISION

The Department of Information technology aims to develop information technology engineers who work professionally and creatively for the advancement of technology and betterment of society.

MISSION

- To impart quality education by developing information technology facilities, faculty and resources that generate professionals who are leaders for a dynamic information society
- To develop a collaborative culture, so as to nurture an environment of increased research amongst the students and faculty
- To encourage hands-on learning by fostering industrial partnerships to create real-world solutions through innovation, product development, entrepreneurship and consultancy services
- To enhance human potential by encouraging transparency and accountability amongst all stakeholders, in order to nurture ethical values in students



FACULTY



PROF. KRISHAN KUMAR

Professor

SPECIALIZATION: Network Security and Computer Networks



PROF. ROOPALI GARG

Professor

SPECIALIZATION: Wireless Communication



PROF. INDERDEEP KAUR AULAKH

Professor

SPECIALIZATION: Wireless Communication Network



DR. VEENU MANGAT

Associate Professor

SPECIALIZATION: Data Mining
Branch Coordinator



DR. MANDEEP KAUR

Associate Professor

SPECIALIZATION: Digital Image Processing



DR. AMANDEEP VERMA

Associate Professor

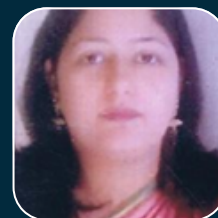
SPECIALIZATION: Cloud Computing



DR. PUNEET JAI KAUR

Associate Professor

SPECIALIZATION: Software Quality Assurance, Aspect Oriented Software Development, Data Mining, Security in Cloud Computing and IoT



DR. SUKESHA SHARMA

Associate Professor

SPECIALIZATION: Machine learning, Artificial Intelligence, IOT, Embedded Systems, Mechatronics

FACULTY

IT NEWSLETTER



DR. RAJ KUMARI

Assistant Professor

SPECIALIZATION: Parallel & Distributed Computing



MS. MONIKA SHARMA

Assistant Professor

SPECIALIZATION: Software Engineering



DR. NEELAM GOEL

Assistant Professor

SPECIALIZATION: Bioinformatics, Soft Computing



DR. JAGJIT SINGH

Assistant Professor

SPECIALIZATION: Matrix Analysis



MS. RAJNI SOBTI

Assistant Professor

SPECIALIZATION: Speech Recognition



MR. SUKHVIR SINGH

Assistant Professor

SPECIALIZATION: Wireless Networks



MR. RAJNEESH SINGHLA

Assistant Professor

SPECIALIZATION: Image processing

TRAINING & INTERNSHIPS

1. **Jasjeet Singh** (UE218049) was a part of the Google Summer Code of 2023. He gave his contribution to the open source organization MetaBrainz Foundation Inc, from May 29 to August 28, 2023



2. **Himanshu Aggarwal** (UE208043):

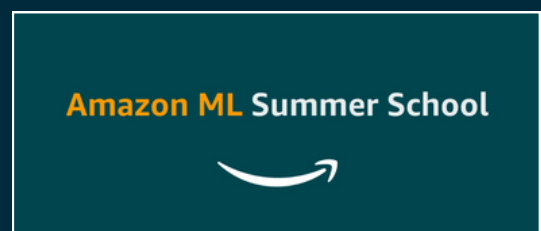
- was part of Microsoft 1st Cyber Security Engage Program (only student from institute) from May'22 to July'22.
- received 6-month Cyber Intern with Chandigarh Police and get valuable guidance and certifications from prominent leaders like Cybersecurity expert Dr. Rakshit Tandon, Sh. Praveen Ranjan (IPS, DGP), Sh. Ketan Bansal (IPS, SP) from Nov'21 to May'22.
- received 6-month interned with IT Risk Partners, London UK under the guidance of Abhinav Goyal (CISA, CISSP, Alumni UIET, PU) from Nov'22 to April'23.

AMAZON ML SUMMER SCHOOL'23 PROGRAM

Four Students from UIET were selected for the Amazon ML Summer School'23 Program: It was a 3 day program that gave engineering students in India an opportunity to learn machine learning techniques from tenured scientists at Amazon.

The Selected students were:

- Medha loona (UE208062)
- Prachi Gaur (UE208073)
- Raag Bhutani (UE208080)
- Anjali Panghal (UE208019)



STUDENT PUBLICATION



Proceedings: 3rd International Conference
On Emerging Technologies In Data Mining
And Information Security

PUBLISHER: **SPRINGER**

Early Parkinson Disease Detection Using Audio Signal Processing

YEAR: 2022

AUTHOR

- **Mohit Bansal** (UE198061)
- **Satya Jeet** (UE198091)
- Prof. Raj Upali
- Prof. Sukesh Sharma



Expert Systems with Application

PUBLISHER: **ELSEVIER**

Fused framework for glaucoma diagnosis using Optical Coherence Tomography (OCT) images

YEAR: 2022

AUTHOR

- **Janmejai Singh Minhas** (UE198048)
- Naveen Singla
- Sarthak Thakur
- Niharika Thakur
- Assoc. Prof. Mamta Juneja
- Assoc. Prof. Prashant Jindal



Computational Intelligence and
Neuroscience

PUBLISHER: **HINDAWI**

DNA Methylation Biomarkers- Based Human Age prediction Using Machine Learning

YEAR: 2022

AUTHOR

- **Deepak Pandey** (UE178038)
- **Sandeep Painuly** (UE178085)
- **Saurabh Kumar Pal** (UE178088)
- Atef Zaguia
- Vivek Kumar Garg
- Assoc. Prof. Neelam Goel



Proceedings: 14th International
Conference on Soft Computing and
Pattern Recognition

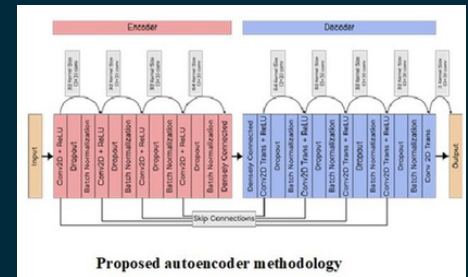
PUBLISHER: **SPRINGER**

A piano Tune generation model using deep learning

YEAR: 2022

AUTHOR

- **Tushar Srivastava** (UE168113)
- **Yuvraj** (UE168119)
- **Monika** (UE168068)
- Deepika Koundal
- Assoc. Prof. Neelam Goel

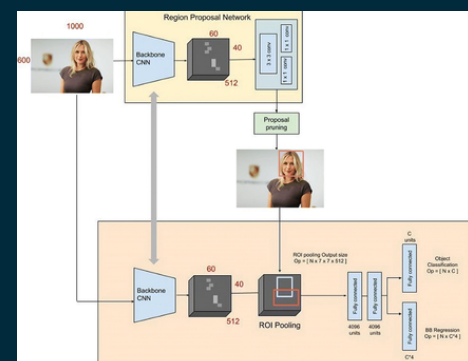


Autoencoder-based dense denoiser and block-based wiener filter for noise reduction of optical coherence tomography

PUBLISHER: **ELSEVIER**

AUTHOR

- **Shatabarto Bhattacharya** (UE208097)
- Gurunam Singh Chhatwal (UE195052)
- Niharika Thakur
- Assoc. Prof. Mamta Juneja
- Assoc. Prof. Prashant Jindal



COVID-19: Social distancing monitoring using faster-RCNN and YOLOv3 algorithms.

PUBLISHER: **SPRINGER**

AUTHOR

- **Sunil Singh** (UE188102)
- **Umang Ahuja** (UE188108)
- Munish Kumar
- Prof. Krishan Kumar
- Monika Sachdeva

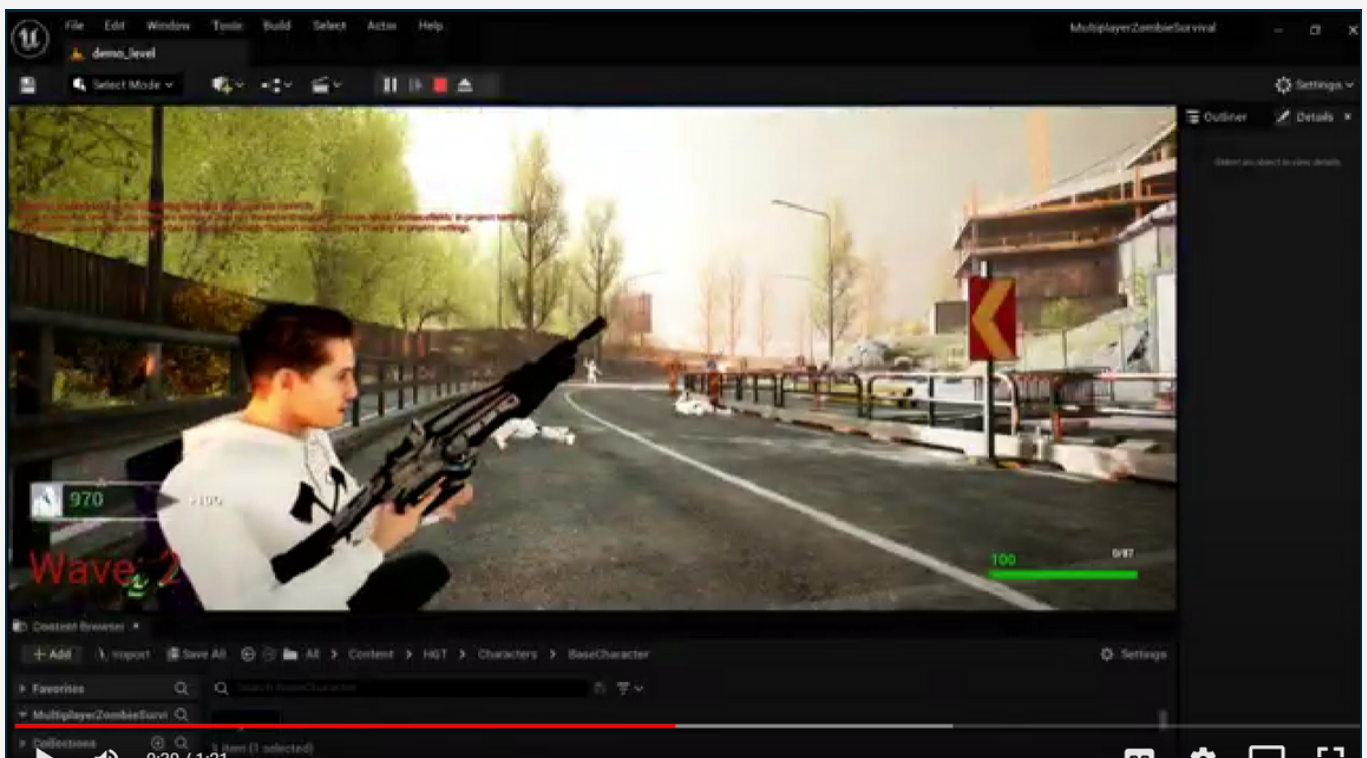
PROFESSIONAL ACTIVITIES

1. **Harsh Sagwal** (UE218123) is a part of NCC and actively volunteers in various camps and projects:

- NCC ARMY ATTACHMENT CAMP-Got selected for army attachment camp Represented PUNJAB UNIVERSITY in the camp, attended it from 18-29 Aug, 2023 with 16 Engineers Brig Regiment of Indian Army at K-Area learned livelihood of army participated in visit to 5 Dogra regiment and look after working its ammunition.
- Learnt the working of AIR DEFENCE TANK and live volunteered in war time WATER BRIDGE MAKING
- Took part in NCC 15 AUGUST PARADE-performed in parade at PARADE Ground Punjab University Chandigarh in presence of VC and other guests.

2. **Arnav Taya** got admission for Master of Science in the prestigious University Virginia Tech, USA.

3. **Madhav Chhabra** (UE218064) made a Third Person shooter Game.



ACHIEVEMENTS

1. Ashvir Kaur (UE208023):

- won the 1st runner up in *Google Girl Hackathon' 23* (30000+ participants all India)
- was 2nd runner up in *ServiceNow Women Code To Win'23* (33000+participants)
- was *Virtusa Engineering Equity Hackathon'23* Finalist (Top 100 from 67000+ global participants).

2. **Tanish** got 5th rank in *Aerathon 2023* phase 1 out of 84 teams at Global Academy of Technology , Bengluruon.

3. **Dhwani** secured 1st position in *Shark Tank* organized by Ashoka Entrepreneurship Club and Ashoka University Economics Society



4. Anjali Panghal (UE208019) achieved:

- rank 3 in *ServiceNow Women Code to Win 2023 - India Hackathon* among 10,000+ teams.
- selected among 66 students for the "American Express India Discovery Program 2023" .

5. Riya Gupta (UE208087) got:

- 1st position in *Codespire* held at Aeropolis Institute of Technology & Research, Indore on 17.03.23
- a win at the *Envisage Ideathon* competition organised by Gemini Solutions in July 2023.
- selected as one of 10 finalist teams out of 490 teams with her team. They demonstrated the project titled "Dhwani:The Seventh Sense" at eYiC National Finals 2022-23.
- awarded the prize money of Rs 10,000/- for the Top 3 Most Innovative Ideas at Monthly Innovation Challenge by Startup Punjab and Innovation Mission Punjab on the 28th of March 2023 at Desh Bhagat University, Fatehgarh Sahib.



ACHIEVEMENTS



6. **Pragati Gupta** (UE198068) achieved AIR 428 with a score of 705 in the Gate 2023 examination and is currently pursuing Master of Technology in Computer Science & Engineering from Indian Institute of Technology, Roorkee



7. **Daksh Goyal** (UE208029) achieved AIR 286 with a score of 739 in the Gate 2023 examination.



8. **Shikha Mittal** (UE198093) achieved AIR 834 with a score of 641 in the Gate 2023 examination and is currently pursuing Master of Technology in Computer Science & Engineering from National Institute of Technology, Trichy

PLACEMENT STATISTICS

The department of Information Technology takes immense pride in sharing the placement statistics for the year 2022-23. Our students have been placed in 28 different organizations that offered diverse roles in various fields associating with industry leaders.

79.3%

PLACEMENT PERCENTAGE

91 Students placed out of 115



16.9 LPA

HIGHEST PACKAGE

6 students received this package

9.46 LPA

AVERAGE PACKAGE

7.6 LPA

MEDIAN

7.55 LPA

MODE



94

TOTAL OFFERS

3 Students received multiple offers

28

COMPANIES OFFERED

66 Companies visited



CO-CURRICULAR ACHIEVEMENTS

1. **Samridhi Chopra** (UE238087) achieved:

- first position in Indian oil Punjab state senior and inter district badminton championship held at Jalandhar from 26-29 january 2023.
- first position in punjab state junior and inter district badminton championship held at jalandhar from 17-20 november 2022.
- first position in 66th Punjab school games badminton championship held at amritsar from 18-23 december 2023.



2. **Anchal** (UE208018) stood as the 2nd runner up of the Stage Play Competition: Theatrix at IIT Guwahati.

3. **Shashank Tomar** (UE218095) won Silver medal in Badminton tournament held at IIT Mandi.

EDITORIAL LEADS



KRRISH VERMA

IT - 4th SEM



SOUMYA DEV

IT - 4th SEM



AYUSH SAINI

IT - 4th SEM



MUHAMMAD SUHAIB

IT - 4th SEM

For sharing awards, achievements and participation, please email to
Dr. Mandeep Kaur (mandeep@pu.ac.in) or
Dr. Raj Kumari (rajkumari@pu.ac.in)