DEPARTMENT OF INFORMATION TECHNOLOGY

≈ ≈ ≈ ≈ ≈ ≈ ≈ A MESSAGE FROM HOD DESK≈ ≈ ≈ ≈ ≈ ≈ ≈ ≈ ≈

The Information Technology Department is dedicated to empowering students from diverse backgrounds, bridging the gap between urban and rural education through inclusive and innovative learning opportunities. The department's approach to education extends beyond the classroom. It cultivates a culture of creativity, critical thinking, and problem-solving, encouraging students to think innovatively and independently. The department also emphasizes personal and professional development, offering a plethora of enriching activities such as technical workshops, hackathons, leadership initiatives, and career development programs. Alongside technical proficiency, the faculty prioritizes essential soft skills, teamwork, and ethical principles to nurture socially responsible and well-rounded individuals. The Information Technology Department stands as a beacon of excellence, committed to producing future-ready professionals equipped to meet global challenges, contribute meaningfully to society, and emerge as leaders in the field of technology and beyond.

Dr. K. S. Mann

≈ ≈ ≈ ≈ ≈ ≈ ≈ ≈ ≈ DEPARTMENT AT GLIMPSE≈ ≈ ≈ ≈ ≈ ≈ ≈ ≈ ≈

B.Tech IT got the NBA Accrediation till June, 2025.

≈≈≈≈≈≈≈≈≈ FACULTY ACHIEVEMENTS≈≈≈≈≈≈≈≈≈

DR.AKSHAY GIRDHAR
- Appreciation Certificate from Deputy Commissioner, Ludhiana, 09th August 2024

DR.KULWINDER SINGH MANN
- MS.BHUPINDER KAUR SRAO Completed PhD ON 29 OCT,2024 Topic: EXPLOITING BIM'S POTENTIAL FOR PROJECT APPOVAL
- Patent Awarded: Smart Helmet, Design No:382600-001

DR.KULWINDER SINGH MANN, DR. AMIT KAMRA & DR. PANKAJ BHAMBRI
- 2 Lac Grant for AICTE VANNI, 08 AUG to 10 AUG 2024.
- 3.5 Lac Grant for ATAL FDP, 16 DEC to 21 DEC 2024.
- 1 Lac Grant for ATAL FDP 30 DEC 2024 to 4 JAN 2025.

DR.SANDEEP KUMAR SINGLA
- RANDEEP KAUR Completed PhD.
Topic: AN AUTOMATIC MODEL FOR THE DETECTION OF COMMON DISEASES IN MULTIPLE VEGETABLES

DR. AMIT KAMRA:
- ISTE Best Teacher Award, 25 OCT 2024.

Expert talk on topics :
- Stress Management organised at SBCE Keraala on 21 NOV 2024
- Optimization using Orange(Event: Application of AI in electronics) organised by NITTTR chd on 6 DEC 2024.
- Digital Forensics (Event: Competitive Coding and Distruptive Tech.) organised by CU Chandigarh on 9 DEC 2024
- Visualization using Orange (Event: GANS and Deep Learning) organised by CU chd on 12 DEC 2024.

DR. JAGDEEP SINGH
- Appreciation Certificate form Deputy Commissioner, Ludhiana, 09th August 2024

DR. SACHIN BAGGA
- Successfully completed PhD from CT University

Title: Novel approach for detection localization and mitigation of malicious node in network on chip based system on chip

PF. MOHANJIT KAUR
- Felicitation for Outstanding Guidance in DCCN Projects.

PF. HIMANI SHARMA
- Felicitation for Outstanding Guidance in IoT Projects.

≈≈≈≈≈≈≈≈≈≈≈ PUBLICATIONS ≈≈≈≈≈≈≈≈≈≈≈≈≈≈

FACULTY NAME	TITLE OF THE PAPER/ CHAPTER/ PROCEEDINGS	NAME OF JOURNAL/ CONFERENCE/ BOOK
DR.KULWINDER SINGH MANN	E-Business innovation trends and implications for private sector	11th International Conference on Advancements in Engineering and Technology (ICAET)
DR. SANDEEP KUMAR SINGLA	Sentimental analysis using RNN, CNN, and LSTM: A comparative study of accuracy and computational efficiency	Library Progress International(ISSN: 2320-317X)
DR. PANKAJ BHAMBRI	Sentimental analysis using RNN, CNN, and LSTM: A comparative study of accuracy and computational efficiency	Library Progress International (ISSN: 2320-317X)
PF. JAGDEEP SINGH	Modeling and optimization of hard turning: predictive analysis of surface roughness and cutting forces in AISI 52100 steel using machine learning	International Journal on Interactive Design and Manufacturing (ISSN: 1955-2505)
	Sustainable machining of Inconel 718 using minimum quantity lubrication: Artificial intelligence-based process modelling	Heliyon(ISSN: 2405-844)

≈≈≈≈≈≈≈≈≈≈≈ PUBLICATIONS ≈≈≈≈≈≈≈≈≈≈≈≈≈

FACULTY NAME	TITLE OF THE PAPER/ CHAPTER/ PROCEEDINGS	NAME OF JOURNAL/ CONFERENCE/ BOOK
Pf. RUPINDER KAUR	Exploring the Role of Computer Vision in Product Design and Development: A Comprehensive Review	International Journal on Interactive Design and Manufacturing (IJIDeM)
	Tribological properties of CNT-filled epoxy-carbon fabric composites: Optimization and modelling by machine learning	Journal of Materials Research and Technology
	Investigation of Fused Filament Fabrication-Based Manufacturing of ABS-Al Composite Structures: Prediction by Machine Learning and Optimization	Journal of Materials Engineering and Performance
	Piezoelectric materials in sensors: Bibliometric and visualization analysis	Materials Today: Proceedings/
DR.RANDEEP KAUR	Predictive Analytics & Validation for Technology Intervention Recommendation System for Autism: A Machine Learning Framework	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN Engineering(ISSN: 2147-6799)

≈ ≈ ≈ ≈ ≈ FACULTY DEVELOPMENT PROGRAMS ≈ ≈ ≈ ≈ ≈ ATTENDED

FACULTY NAME	FDP TITLE	FDP DURATION	ORGANISED BY
DR.AKSHAY GIRDHAR	Orientation Workshop on Outcome Based Education and Accreditation for the Team Chairs and Program Evaluators	10TH OCT 2024	NBA,NEW DELHI
DR.SANDEEP KUMAR SINGLA	FDP ON "Deep Learning for Engineering Applications"	2nd to 6th Sept 2024	NITTTR CHANDIGARH
	FDP ON "Generative AI Unveiled: Concepts, Models, and Real-world Applications"	02ND TO 07TH Dec 2024	AICTE Training And Learning (ATAL) Academy at ANJUMAN INSTITUTE OF TECHNOLOGY AND MANAGEMENT
DR.AMIT KAMRA	Emerging Trends in Information System Security using AI & Data Science for Next-Generation Cyber Analytics"	30th Dec ,2024 to 04 th Jan 2025.	AICTE Training And Learning (ATAL) Academy
	3 days Program on Role of IT in Millets Production AICTE Vanni	8th to 10 thAugust 2024	AICTE VANNI
DR. PANKAJ BHAMBRI	Hands on Github and Docker on Linux	15th to 17th July 2024	GNDEC
	Advanced Analytics for Next-Generation Industrial Processes	23rd to 28th December 2024	Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior

≈ ≈ ≈ ≈ ≈ FACULTY DEVELOPMENT PROGRAMS ≈ ≈ ≈ ≈ ≈ ATTENDED

FACULTY NAME	FDP TITLE	FDP DURATION	ORGANISED BY
DR. KAMALJIT KAUR	Recent Research Trends in Computer Science and Information Technology	23 to 27 Sept 2024	Sharda University
	Emerging Trends in Information System Security using AI & Data Science for Next-Generation Cyber Analytics"	30 DEC 2024 to 04 JAN 2025	AICTE Training And Learning (ATAL) Academy
PF. PARMINDER KAUR WADHWA	Incorporating sustainable development goals in Bringing out Industry Ready Professionals	14 to 19 DEC 2024	AICTE Training And Learning (ATAL) Academy
PF. RANJODH KAUR	Deep Learning Application	16to 27 SEPT 2024	IIT Roorkee
	Building Web Development Solutions with Cloud Computing	17 to 21 SEPT 2024	Next Gen Employability Program, Edunet Foundation
	Faculty Enablement Program(FEP) on Python Programming	9th to 13th DEC 2024	Infosys Springboard
DR.SIDHARATH JAIN	DevOps FEP	15TH to 19th July 2024	Infosys Springboard

≈≈≈≈≈ FACULTY DEVELOPMENT PROGRAMS ≈≈≈≈≈
ATTENDED

FACULTY NAME	FDP TITLE	FDP DURATION	ORGANISED BY
Dr. SACHIN BAGGA	Micropython Primer	22nd to 26th May 2024	National Institute of Electronics and Information Technology
HARJOT KAUR GILL	Advanced Informative and Emerging Trends in Teaching and Research (Innovative Teaching and Learning Pedagogy)	24th -30th august 2024	Institute of Marketing and Management, Delhi School Of Business Administration, Bhagwan Parshuram Institute Of Technology, Research Foundation of India & RFI-CARE
	Applied AI: Practical Implementations	18th to 22nd NOV 2024	TechSaksham Program
Dr. JAGDEEP SINGH	Deep Learning Application	16th to 27th SEPT 2024	IIT Roorkee
PF. JASKIRAN KAUR	Hands on Github and Docker on Linux	15th – 17th July 2024	GNDEC
	Workshop on Professional Visualization of flowcharts using MS Visio	23rd - 24th July 2024	Chitkara University
	Emerging Trends in Information System Security using AI & Data Science for Next-Generation Cyber Analytics"	30th DEC 2024 to 4th Jan 2025.	AICTE Training And Learning (ATAL) Academy

≈≈≈≈≈ FACULTY DEVELOPMENT PROGRAMS ≈≈≈≈≈
ATTENDED

FACULTY NAME	FDP TITLE	FDP DURATION	ORGANISED BY
PF.GAGNEET KAUR	Deep learning and IOT driven smart applications	24th to 29th June 2024	MLRIT
	Publishing in high impact journals: Strategies for effective writing and leveraging AI in research	22nd to 26 July 2024	research cell of BCIPS
PF. GITANJALI	Publishing in High-Impact Journals : Strategies for Effective Writing and Leveraging AI in Research	16th to 21st Dec 2024	AICTE Training And Learning (ATAL) Academy at GNDEC, LUDHIANA
	FDP on "Future Proofing Indias semiconductor Industry:Building Skilled Workforce"	30th Dec 24 to 4th Jan 25.	AICTE Training And Learning (ATAL) Academy
	Emerging Trends in Information System Security using AI & Data Science for Next-Generation Cyber Analytics"	24th to 29th June 2024	MLRIT
PF.HIMANI	Machine Learning & Hands on NLP	24th to 28th july 2024	Infosis Springboard
	Hands on Github and Docker on Linux	15th to 17th July 2024	GNDEC

≈≈≈≈≈ FACULTY DEVELOPMENT PROGRAMS ≈≈≈≈≈
ATTENDED

FACULTY NAME	FDP TITLE	FDP DURATION	ORGANISED BY
PF.HIMANI	Recent Research Trends in Computer Science and Information Technology	23^{Rrd} to 27 Sept 2024	Sharda University,
	3 days Program on Role of IT in Millets Production AICTE Vanni	8th to 10th Aug 2024	AICTE VANNI
PF.REEMA VERMA	Machine Learning & Hands on NLP	24th to 28th June 2024	Infosis Springboard
	Hands on Github and Docker on Linux	15th to 17th July 2024	GNDEC
	Recent Research Trends in Computer Science and Information Technology	23rd to 27 Sept 2024	Sharda University,
	Future Proofing India's semiconductor Industry: Building Skilled Workforce	16th to 21st Dec 2024	AICTE Training And Learning (ATAL) Academy at GNDEC, Ludhiana
DR. RANDEEP KAUR	FDP on "Future Proofing India's semiconductor Industry: Building Skilled Workforce"	16 Dec to 21 Dec 2024	AICTE Training And Learning (ATAL) Academy at GNDEC, Ludhiana

≈≈≈≈≈ FACULTY DEVELOPMENT PROGRAMS ≈≈≈≈≈
ATTENDED

FACULTY NAME	FDP TITLE	FDP DURATION	ORGANISED BY
DR. RANDEEP KAUR	FDP on "Recent Research Trends in Computer Science and Information Technology"	23 Sept to 27 Sept 2024	Sharda University,
	FDP on "Generative AI"	18 Nov. to 22 Nov.,2024	Infosys Springboard

≈ ≈ ≈ ≈ ≈ ≈ ≈ ≈ ≈ ITIAN CLUB≈ ≈ ≈ ≈ ≈ ≈ ≈ ≈ ≈

ITian Club is a departmental club of Department of Information Technology, GNDEC. It works under the guidance of Prof. Harminder Kaur (Assistant Professor, IT). The club is responsible for conducting Technical events, promoting the new technology and helping students learn teamwork.

EVENT 1: ORIENTATION PROGRAM

The orientation program was organised on 16 July 2024. In this 1st year students were welcomed and given detailed information of the department and guidance for their studies & career.


EVENT 2: CAMPUS HERO WEBINAR

The Campus Hero Webinar was an online seminar organised in collaboration with CodingNinjas and ITian Club on 20 June 2024.

codingninjas

CAMPUS HERO
WEBINAR

Thursday, 20th June   10:00 AM-11:00 AM

Speaker:
Tushar Goyal
SDE-II
Instructor &
mentor Coding Ninjas

EVENT 3: TEACHER'S DAY
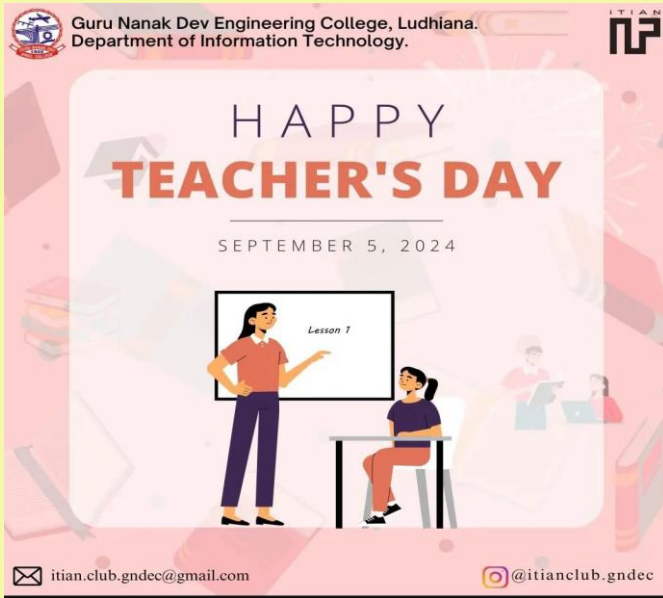
The Teacher's Day event was organised on 5 September 2024. ITian club celebrated Teacher's Day by engaging the teachers of the IT department in various fun activities. The event was followed by cutting of cake.


EVENT 4: FRESHMAN INDUCTION

The Freshmen Induction was organised in collaboration with Coding Ninjas & ITian Club on 7 September 2024. The mode of the event was online, and the event was to introduce 1st year students about various technologies that are used.

EVENT 5: GIT SYNC

The event was organised on 12 September 2024 In this event, students were provided with the hands-on experience of how to use Git & GitHub. Students were taught on how to use GitHub for tracking and maintaining the Version Control of the product or an application.
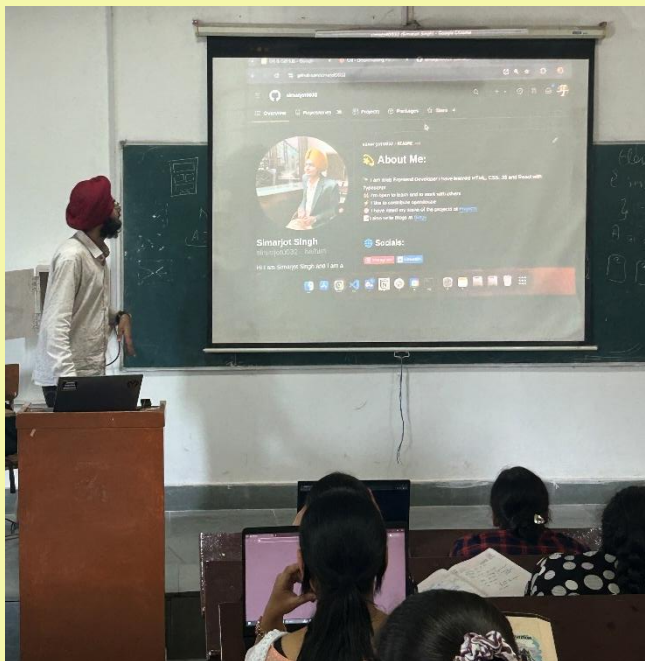
EVENT 6: CODEKAZE

This event was organised on 18 September 2024. The event was organised in collaboration with Coding Ninjas. It had a prize pool of ₹ 5,00,000. It was organised to increase the coding culture within the students.

EVENT 7: TECHNO-QUIZ AND TRICKS
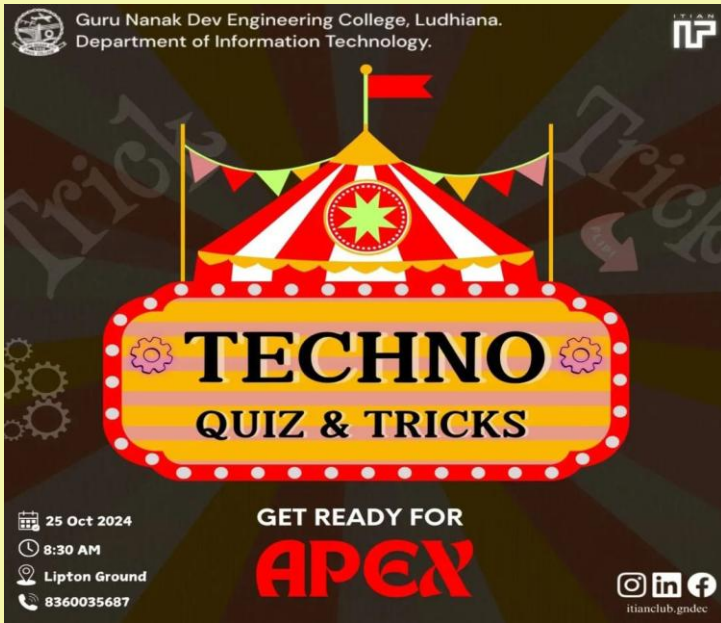
The event was organised on 25 October 2024 during the APEX Fair organised by the Causmic Club. In the event, the students of GNDEC and various schools were allowed to participate. In it, the students were asked some technical questions, if the answer were correct then the student was given a prize.

EVENT 8: NINJA SLAYGROUND 2.0

The event was organized on 18 November 2024 in collaboration with Coding Ninjas. It was a 21-day coding challenge which was to promote the coding culture in the students. It was an open event, i.e., any student of any department was allowed to participate.

≈≈≈≈≈≈≈≈≈≈≈ PLACEMENTS ≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈
(2024)

SR. NO.	NAME OF STUDENT	COMPANY
1	Aman Kumar	Deepak Fasteners
	Ravi Ranjan Kumar	Deepak Fasteners
2	Harmanpreet Kaur	Ralson (India) Limited
3	Kumar Abhinav	Iotasol Technologies Pvt. Ltd.
4	Divyansh Bhateja	WITS INNOVATION LAB
5	Prabhkirat Singh	WITS INNOVATION LAB
6	Harleen Kaur	SafeAeon Inc.
7	Sehajbir Singh	SafeAeon Inc.
8	Sakshi Pundir	SafeAeon Inc.
9	Gaganpreet Singh	SafeAeon Inc.
10	Lovish Malhotra	JMAN Group
11	Monika	JMAN Group
12	Ananya Mahajan	KPMG
13	Prerna Sharma	KPMG
14	Himanshu Mahajan	Stylumia Intelligence Technology Pvt. Ltd.
15	Chandan Kumar	Argusoft
16	Hemant Sahdev	Airnet Travels and Cargo Pvt. Ltd.
17	Ravleen Kaur	Airnet Travels and Cargo Pvt. Ltd.
18	Shubham Choudhary	Airnet Travels and Cargo Pvt. Ltd.
19	Harjobandeep Singh	Airnet Travels and Cargo Pvt. Ltd.
20	Harjobandeep Singh	Airnet Travels and Cargo Pvt. Ltd.
21	Kumar Abhinav	Hoping Minds
22	Gaurav Bhandari	MWIDM
23	Prabhjot Singh	MWIDM
24	Armaan singh	MWIDM
25	Preet Singh Sahota	MWIDM
26	Amandeep Singh	MWIDM
27	Neeraj Kumar	MWIDM
28	Sejal Madaan	PIRAMAL GROUP

PLACEMENTS
(2025)

SR NO.	NAME OF STUDENT	NAME OF COMPANY
1	Arshpreet Singh	Airtel
2	Jasmeen Kaur Gill	Airtel
3	Navpreet Kaur	Clay HR
4	Harjot Singh	Clay HR
5	Rajat Garg	Cropsly
6	Abhishek Kumar	Cropsly
7	Yash	Infosys
8	Avlyn Kaur Khurana	Infosys
9	Anu Grewal	Infosys
10	Eshan Sharma	Infosys
11	Inzamamul Houqe	Infosys
12	Shivshant Prasad	Infosys
13	Kunal Rawat	Infosys
14	Arsh Preet Singh	Infosys
15	Gurpartap Singh	Infosys
16	Ansh Kumar	Infosys
17	Aman Aman	Infosys
18	Puneet Walia	Infosys
19	Mankirat Singh	SafeAeon
20	Prashant Singh Yadav	Wits Innovation Lab
21	Navneet Kaur	Wits Innovation Lab
22	Naunihal Singh	Wits Innovation Lab
23	Gargi Jangra	Wits Innovation Lab
24	Manpreet Kaur	Wits Innovation Lab
25	Parvinder Singh	Wits Innovation Lab
26	Harleen Kaur	Wits Innovation Lab

≈≈≈≈≈≈≈≈≈≈≈ PLACEMENTS ≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈
(2025)

SR. NO.	NAME OF STUDENT	COMPANY
27	Aashish Bindha	Wits Innovation Lab
28	Shubham Kumar	Wits Innovation Lab
29	Ayush Singh	Wits Innovation Lab
30	Ayush Singh	Wits Innovation Lab