

## Message from HOD



I congratulate all involved for publication of newsletter. It is a matter of great pleasure and I would like to share few of my thoughts as the Head of Department of Computer Science and Engineering, which was established in 1994. Since then the department is flourishing and achieving new heights. We are offering undergraduate program – B.Tech. in Computer Science and Engineering, and post-graduate program – M.Tech. in Computer Science and Engineering. Department also have Ph.D. program running under autonomous status. We are also actively involved in research and development activities. Our faculty members have published their research work in various reputed journals with good impact factors and carrying out research in diverse fields of Computer Science and Engineering. Students of department are also bringing laurel to the institute by participating in various curricular and extra-curricular activities from time-to-time at national and international levels. Department is supporting students in all domains for their overall personality development and organizing different events through societies and clubs managed by department including Computer Society of India and Data Science Club.

Dr. Kiran Jyoti, Head of Department, Computer Science and Engineering

## Department at Glimpse

Department of Computer Science and Engineering is established in year 1997. Department is offering B.Tech., M.Tech. programs and Ph.D (under Autonomous status) in Computer Science and Engineering. Laboratories of the department are equipped with state of the art infrastructure

to cater course work and research activities. A Good number of books is available in departmental library for prompt access to students and faculty members. Under academic autonomy, study schemes of the offered programs are updated regularly focusing outcome based education, to make students employable as per national and international requirements. Graduates of the department are serving around the globe in eminent companies, academia, as well as in public sector. They are bringing laurel to the department by excelling in fields of their work. Every year a good number of students are clearing different competitive exams.

### **Student Coordinators**

- Kajal Chugh (2303225)
- Jaideep Randhava (2203463)
- Ekushpreet Singh (2104160)
- Tejas Joshi (2215203)

### **Student Achievements**

- Harsh Kumar (URN:2004584), Gursharan Singh (URN:2004575), students of CSE got placed in Stylumia Intelligence Technologies, Bangalore at an annual package of 13 LPA, July 2024.

### **CSE Students awarded with the Best Project**

<b>Sr. No.</b>	<b>URN</b>	<b>Student Name</b>	<b>Title of the Project</b>	<b>Position</b>	<b>Session</b>
1	2104118 2104160	Inderpreet Singh Raghav Jit	Immune Based Intrusion Detection System	1st	July-Dec, 2024
2	2104211 2104481	Vaani Gupta Astha Paika	Autonomous IoT Car	1st	July-Dec, 2024
3	2104057 2104062 2104070	Aditya Kumar Akash Kumar Anmol Kumar	Real Time Object Detection and Voice Assistant	2nd	July-Dec, 2024

4	2104100	Gundeep Singh	Health Matrix	2nd	July-Dec, 2024
	2104199	Sukhman Kaur			

**Students of CSE Department has successfully cleared various NPTEL MOOC's courses**

<b>Sr. No.</b>	<b>Name</b>	<b>U.R. No.</b>	<b>Course Name</b>	<b>Year</b>
1	Manraj Singh Dhatt	2104141	Reinforcement Learning	Aug-Dec 2024
2	Manraj Singh Dhatt	2104141	Responsible and safe AI	Aug-Dec 2024
3	Ayush Mishra	2302490	The Joy of Computing using python	Aug-Dec 2024
4	Abhishek Kumar	2302458	The Joy of Computing using python	Aug-Dec 2024
5	Diljot Singh	2302509	The Joy of Computing using python	Aug-Dec 2024
6	Aaditya Sinha	2302457	The Joy of Computing using python	Aug-Dec 2024
7	Anshika	2302478	The Joy of Computing using python	Aug-Dec 2024
8	Anjali Ratte	2302472	The Joy of Computing using python	Aug-Dec 2024
9	Komalpreet Kaur	2302589	The Joy of Computing using python	Aug-Dec 2024
10	Jyoti Kumari Verma	2302573	The Joy of Computing using python	Aug-Dec 2024

<b>Sr. No.</b>	<b>Name</b>	<b>U.R. No.</b>	<b>Course Name</b>	<b>Year</b>
11	Ankur	2302473	The Joy of Computing using python	Aug-Dec 2024
12	Aryan Prajapati	2302483	The Joy of Computing using python	Aug-Dec 2024
13	Navpreet Kaur	2302622	The Joy of Computing using python	Aug-Dec 2024
14	Khushpreet Kaur	2302591	The Joy of Computing using python	Aug-Dec 2024
15	Kanwarpartap Singh	2203478	Ethical Hacking	Aug-Dec 2024
16	Kanwarpartaps Singh	2203478	Stress Management	Aug-Dec 2024

### **Students of CSE bagged various positions in Youth Festival**

<b>S. No.</b>	<b>Name</b>	<b>URN</b>	<b>Name of Event</b>	<b>Level</b>
1	Srijan Singh	2203565	Music (1st Position), Zonal Youth Festival Oct-2024	Zonal
2	Amitoz Kaur Rehan	2415014	Gidha (1st Position), Zonal Youth Festival 2024	Zonal
3	Gurleen Kaur	2302527	Gidha (1st Position), Zonal Youth Festival 2024	Zonal
4	Anhad Kaur	2302469	Gidha (1st Position, Best Dancer), Zonal Youth Festival 2024	Zonal
5	Simrandeep	2302682	Gidha (1st Position), Zonal Youth Festival	Zonal

<b>S. No.</b>	<b>Name</b>	<b>URN</b>	<b>Name of Event</b>	<b>Level</b>
	Kaur		2024	
6	Muskandeep Kaur	2203506	Gidha (1st Position), Zonal Youth Festival 2024	Zonal
7	Jayant Kumawat	2302570	Theatre (1st Position), Zonal Youth Festival 2024	Zonal
8	Barkatjeet Kaur	2415041	Theatre (1st Position), Zonal Youth Festival 2024	Zonal
9	Daffy Singla	2415052	Theatre (1st Position, Best Actress), Zonal Youth Festival 2024	Zonal
10	Aryan Verma	2302484	Theatre (3rd Position), Zonal Youth Festival 2024	Zonal
11	Ekuspreet Singh	2104097	Debate (1st Position), Zonal Youth Festival 2024	Zonal
12	Harsimran Singh Jaggi	2104117	Poem Recetation (1st Position), Zonal Youth Festival 2024	Zonal
13	Sachin Kumar Das	2415250	Music (3rd Position), Zonal Youth Festival 2024	Zonal
14	Riya Sharma	2302652	Music (2nd Position), Zonal Youth Festival 2024	Zonal
15	Davinder Singh	2415054	Bhangra (1st Position), Zonal Youth Festival	Zonal

## Faculty Achievements

- **Dr. Amit Jain**, Assistant Professor(CSE), awarded with **two design patents** with a total of five patents [2024].
- **Dr. Parminder Singh**, Professor(CSE), appointed as **Expert on the Faculty of Computer Sciences** for the term from 11.01.2023 to 10.01.2025 by Punjabi University, Patiala.
- **Dr. Parminder Singh**, Professor(CSE), appointed as **Member, Board of Studies (Computer Sc. & Engg.)**, Shaheed Bhagat Singh State University, Ferozepur [Jan,2022-Jan,2025]
- **Prof. Diana Nagpal** completed **Ph.D (CSE)** [2024].
- **Dr. Sita Rani**, Assistant Professor (CSE), **Edited/Co-Edited 6 Books** in various technical domains published by CRC Press.

## Faculty Guided Ph.D Candidates

Name of Supervisor	Name of Candidate	Reg. Number	Title	Completed on
Dr. Kiran Jyoti	Prince Verma	1503017	Implementation of an Improved Feature Learning Computational Model for Chatbot	2024

## Events organized by CSE Department

Name of Event	Convenor	Coordinator	Co-coordinator	Date
Three Days Capacity Enhancement Program for Faculty on Hands-on with GitHub and Docker on Linux	<b>Dr. Kiran Jyoti</b>	<b>Dr. Kiran Jyoti</b>	<b>Er. Manjot Kaur Gill</b>	15th-17th July, 2024

## Faculty Research Publications

- [Jaspreet Singh Soni, **Jaswant Singh Taur** (2024, Dec). The Impact of the Semantic Web on The Internet World. International Journal of Computer Science and Applications.]
- [Sukhman Gill, Gundeep Singh, **Jaswant Singh Taur** (2024, Dec). Revolutionizing Health Care: Leverging AI and NLP to Empower Patients with Smarter, Data-Driven Medical Insights. International Journal of Computer Applications.]
- [**Goldendeeep Kaur, Kiran Jyoti**, Samer Shorman, Anas Ratib Alsoud, Rohit Salgotra (2024, July). An Efficient Approach for Localizing Sensor Nodes in 2D Wireless Sensor Networks Using Whale Optimization-Based Naked Mole Rat Algorithm. MDPI Mathematics.]

## Events Attended (FDPs / Conferences / STCs /FEPs/SDTs / Workshops / Webinars / Seminars / Training Program etc.)

Sr. No.	Name of Event	Faculty Coordinator	Duration	Date(s)	Organizer(s)
1	FEP on Python Programming	Goldendeeep Kaur	Five Days	9 <sup>th</sup> Dec, 2024- 13 <sup>th</sup> Dec, 2024	Infosys Springboard
2	FEP on Python Programming	Kamaljeet Kaur	Five Days	9 <sup>th</sup> Dec, 2024- 13 <sup>th</sup> Dec, 2024	Infosys Springboard
3	STC on Continuous Integration and Delivery	Dr. Daljeet Singh	Seven Days	17th July, 2024 - 23rd July, 2024	Infosys Springboard
4	FDP on Hands - on with GitHub and	Amanpreet Singh Brar	Three Days	15th July, 2024 -	GNDEC Ludhiana

<b>Sr. No.</b>	<b>Name of Event</b>	<b>Faculty Coordinator</b>	<b>Duration</b>	<b>Date(s)</b>	<b>Organizer(s)</b>
	Docker on Linux			17th July, 2024	
5	FDP on Hands - on with GitHub and Docker on Linux	Dr. Amit Jain	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
6	FDP on Hands - on with GitHub and Docker on Linux	Diana Nagpal	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
7	FDP on Hands - on with GitHub and Docker on Linux	Dr. Vivek Thapar	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
8	FDP on Hands - on with GitHub and Docker on Linux	Dr. Manpreet Kaur Mand	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
9	FDP on Hands - on with GitHub and Docker on Linux	Dr. Parminder Singh	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
10	FDP on Hands - on with GitHub and Docker on Linux	Goldendeep Kaur	Three Days	15th July, 2024 - 17th July,	GNDEC Ludhiana



<b>Sr. No.</b>	<b>Name of Event</b>	<b>Faculty Coordinator</b>	<b>Duration</b>	<b>Date(s)</b>	<b>Organizer(s)</b>
				2024	
11	FDP on Hands - on with GitHub and Docker on Linux	Dr. Hardeep Singh Kang	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
12	FDP on Hands - on with GitHub and Docker on Linux	Jasdeep Kaur	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
13	FDP on Hands - on with GitHub and Docker on Linux	Jaswant Singh Taur	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
14	FDP on Hands - on with GitHub and Docker on Linux	Dr. Kamaldeep Kaur	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
15	FDP on Hands - on with GitHub and Docker on Linux	Kapil Sharma	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
16	FDP on Hands - on with GitHub and Docker on Linux	Dr. Kiran Jyoti	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana

<b>Sr. No.</b>	<b>Name of Event</b>	<b>Faculty Coordinator</b>	<b>Duration</b>	<b>Date(s)</b>	<b>Organizer(s)</b>
17	FDP on Hands - on with GitHub and Docker on Linux	Kuljit Kaur	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
18	FDP on Hands - on with GitHub and Docker on Linux	Lakhvir Kaur Grewal	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
19	FDP on Hands - on with GitHub and Docker on Linux	Maninder Kaur	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
20	FDP on Hands - on with GitHub and Docker on Linux	Meetali	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
21	FDP on Hands - on with GitHub and Docker on Linux	Priti Aggarwal	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
22	FDP on Hands - on with GitHub and Docker on Linux	Harminder Kaur	Three Days	15th July, 2024 - 17th July, 2024	GNDEC Ludhiana
23	STTP on Agile and	Dr. Inderjit	Five	15th July,	Infosys Campus

<b>Sr. No.</b>	<b>Name of Event</b>	<b>Faculty Coordinator</b>	<b>Duration</b>	<b>Date(s)</b>	<b>Organizer(s)</b>
	DevOps	Singh	Days	2024 - 19th July, 2024	Connect-Infosys Spring Board
24	STTP on Continuous Integration and Delivery - DevOps	Dr. Priyanka Arora	Nine Days	15th July, 2024 - 23rd July, 2024	Infosys Springboard
25	STTP on Software Engineering and Agile software development	Dr. Priyanka Arora	Three Days	15th July, 2024 - 17th July, 2024	Infosys Springboard
26	STTP on Agile Scrum in Practice	Dr. Priyanka Arora	Three Days	15th July, 2024 - 17th July, 2024	Infosys Springboard
27	STTP on Introduction to Agile Methodology	Dr. Priyanka Arora	Five Days	15th July, 2024 - 19th July, 2024	Infosys Springboard
28	STC on Introduction to Agile Methodology	Daljeet Singh	Eight Days	12th July, 2024 - 19th July, 2024	Infosys Springboard
29	STC on Software Engineering and	Daljeet Singh	Seven Days	11th July, 2024 -	Infosys Springboard

<b>Sr. No.</b>	<b>Name of Event</b>	<b>Faculty Coordinator</b>	<b>Duration</b>	<b>Date(s)</b>	<b>Organizer(s)</b>
	Agile software development			17th July, 2024	
30	STC on Agile Scrum in Practice	Daljeet Singh	Seven Days	11th July, 2024 - 17th July, 2024	Infosys Springboard

### **Main Recruiters for CSE Students**

<b>Sr. No.</b>	<b>Name of Company</b>
1	Microsoft
2	Accenture
3	Walmart Global Technology Services India
4	Cognizant
5	HCL Technologies Ltd.
6	Infosys Limited
7	TCS
8	WIPRO Limited Om Careers
9	Amazon
10	PhonePe
11	Samsung
12	Zomato

<b>Sr. No.</b>	<b>Name of Company</b>
13	TATRAS Data Services Pvt. Ltd.
14	Nagaro
15	ASG Technologies Pvt. Ltd.
16	Yatra Online Freight Services Pvt. Ltd.
17	Om Careers
18	Argusoft
19	ZS
20	Josh Technology Group

**Activities/Events conducted by Department of Computer Science and Engineering under various Societies/Clubs**

**Data Science Club**

<b>Sr. No.</b>	<b>Name of Event</b>	<b>Event Type</b>	<b>Date</b>
1	Spinovate (Stall at Apex Fair)	Activity	25/10/2024
2	Ideathon Event	Technical Event	06/09/2024