

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

- Jasnoor Kaur URN: 2104128, student of CSE, got recognition of PTU BEST CYCLIST, Feb-2024.
- Pawan Singh Bisht, student of CSE, got recognition of 2nd Best Athlete, Feb-2024.

CSE Students awarded with the Best Project

Sr. No.	URN	Student Name	Project Title	Session
1	2004606 2004611 2004616	Karamvir Singh Khushdeep Kaur Kunal	Proctored Exam System	Jan-June,2024
2	2104225 2104226 2104232	Mohit Kumar Naval Thanik Sonal Kumari	Fitness Tracking Insights	Jan-June,2024
3	2004584 2004575	Harsh Kumar Gursharan Singh	Category Voyager: Navigating the E-commerce Frontier	Jan-June,2024

4	2004663	Shivam Shukla	Dynamic Traffic Lights	Jan-June,2024
	2104223	Gursimar	Control System	
	2104228	Rohini		

Gate Cleared Students

S.No.	Name of Student	Reg. No.	Year
1	MEHAK KALIA	DA24S18204108	2024
2	NAVNIT KUMAR	DA24S14001549	2024
3	ROHIT	CS24S58204184	2024

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

Sr.No.	Name	U.R. No.	Course Name	Year
1	Prabhdeep Kaur	2004640	Affective Computing	Jan-Apr, 2024
2	Muskandeep Kaur	2004628	Affective Computing	Jan-Apr, 2024
3	Rohit	2004653	Basics of Computational Complexity	Jan-Apr, 2024
4	Manraj Singh Dhatt	2104141	Affective Computing	Jan-Apr, 2024
5	Manraj Singh Dhatt	2104141	Getting Started with Competitive Programming	Jan-Apr, 2024

Students of CSE bagged various positions in Sports

S.No.	Name	URN	Achievements
1	Robin Rawat	2104170	Member college Lawn Tennis Team: 3rd in PTU
2	Nikhil Rana	2302727	Member college Badminton Team: 3rd in PTU
3	Abhay Madaan	2004398	Member college Badminton Team: 3rd in PTU
4	Jasnoor Kaur	2104128	Member college Cycling Team: 1st in PTU
5	Harsimran Singh	2215069	Member college Hockey Team: 1st in PTU
6	Arundeeep Singh	2215021	Member college Hockey Team: 1st in PTU
7	Rohit Kakralia	2203543	Member college Power Lifting Team: 2nd in PTU
8	Sahil Arora	2203546	Member college Chess Team: 2nd in PTU
9	Bhumi	2302500	Member college Chess Team: 2nd in PTU
10	Dasharandeeep Singh	2302505	Member college Chess Team: 2nd in PTU
11	Piyush Goyal	2104153	Captain college Chess Team: 2nd in PTU
12	Abhishek Choudhary	2204529	2nd in Inter-yr Kabaddi League, 2024
13	Robin Rawat	2104170	2nd in Inter-yr Football League

Students of CSE bagged various positions in Youth Festival

S.No.	Name	URN	Name of Event	Level
1	Avaluday Singh	2004554	Bhangra (1st Position), Inter-Zonal Youth Festival Jan-2024	Inter-Zonal
2	Anhad Kaur	2302469	Gidha (1st Position), Inter-Zonal Youth Festival 2024	Inter-Zonal
3	Gurleen Kaur	2302527	Gidha (1st Position), Inter-Zonal Youth	Inter-

S.No.	Name	URN	Name of Event	Level
			Festival 2024	Zonal
4	Husanpreet Kaur	2004588	Gidha (1st Position), Inter-Zonal Youth Festival 2024	Inter-Zonal
5	Taranpreet Kaur	2004678	Gidha (1st Position), Inter-Zonal Youth Festival 2024	Inter-Zonal
6	Nidhi	2004630	Gidha (1st Position), Inter-Zonal Youth Festival 2024	Inter-Zonal
7	Muskandeep Kaur	2303506	Gidha (1st Position), Inter-Zonal Youth Festival 2024	Inter-Zonal
8	Simrandeep Kaur	2302683	Gidha (1st Position), Inter-Zonal Youth Festival 2024	Inter-Zonal
9	Karthik	2104134	Music (1st Position), Inter-Zonal Youth Festival 2024	Inter-Zonal
10	Ravneet Singh Virk	2004649	Music (1st Position), Inter-Zonal Youth Festival 2024	Inter-Zonal
11	Vansh Khanna	2004683	Music (1st Position), Inter-Zonal Youth Festival 2024	Inter-Zonal
12	Kushali Sharma	2203487	Theatre (1st Position), Inter-Zonal Youth Festival 2024	Inter-Zonal

Faculty Achievements

- **Dr. Parminder Singh**, Professor(CSE), appointed as **Member, Board of Studies**, Jagat Guru Nanak Dev Punjab State Open University, Patiala [Jan,2024]

- **Er. Satinderpal Singh**, Assistant Professor(CSE), became **Master Trainer** at master trainer program through HPC (AICTE) National Superconducting Mission at CDAC Bangalore [June,2024]
- **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]

Faculty Guided Ph.D Candidates

Name of Supervisor	Name of Candidate	Reg. Number	Title	Completed on
Dr. Parminder Singh	Ubeeka Jain	1503034	On Detection and Marking of Fine-Grained Emotions in Punjabi Text	24.5.2024

Events organized by CSE Department

Name of Event	Convenor	Coordinator	Co-coordinator	Date
Three Days Workshop on Artificial Intelligence and Punjabi Language: Recent Trends and Challenges Emerging Field: Advanced Computing	Dr. Kiran Jyoti , Dr. Jasmaninder Singh Grewal	Dr. Parminder Singh	Er. Lakhveer Singh Khana	6th - 8th June, 2024

Faculty Research Publications

- [Sujay N. Hedge, D.B. Srinivas, M.A. Rajan, **Sita Rani**, Aman Kataria, Hong Min (2024, March). Multi-objective and multi constrained task scheduling framework for computational grids. Scientific Reports.]
- [Harmeet Singh, **Sita Rani** (2024, January). Flex Sensor Integrated Smart Strap to Verify Correct Wearing of the Face Mask. IEEE Sensors.]

Student-Faculty Conference Publications

Sr. No.	Title of Paper	Name of Authors	Name of Journal/ Conference	Level	Year
1	An MI-based Hybrid Model for Iot Attack Classification in Industry 4.0 Ecosystem	Bharatdeep Singh, Divneet Kaur, Sita Rani	Sixth International Conference on Computational Intelligence in Communications and Business Analytics (CICBA-2024)	International	Jan-2024
2	From Haze And Smoke To Clarity: An Integration of Deep Learning And Atmospheric Model	Tashneet Kaur, Dhruv Kumar, Sita Rani, Kiran Jyoti	Sixth International Conference on Computational Intelligence in Communications and Business Analytics (CICBA-2024)	International	Jan-2024
3	Classification of Fine-Grained Emotions	Ubeeka Jain, Parminder Singh	Springer International Conference on Multi-Strategy Learning Environment (ICMSLE-2024)	International	Jan-2024

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

Sr. No.	Name of Event	Faculty Coordinator	Duration	Date(s)	Organizer(s)
1	STC on Explore Machine Learning using Python	Jaswant Singh Taur	One Day	26 th June, 2024 - 26 th June, 2024	Infosys Springboard
2	FDP on Inculcating Universal Human Values in Technical Education	Kuljit Kaur	Five Days	24 th June, 2024 - 28 th June, 2024	AICTE
3	FDP on Inculcating Universal Human Values in Technical Education	Goldendeep Kaur	Five Days	17 th June, 2024 - 21 th June, 2024	AICTE
4	FDP on Inculcating Universal Human Values in Technical Education	Jasdeep Kaur	Eight Days	17 th June, 2024 - 24 th June, 2024	AICTE
5	FDP on Inculcating Universal Human Values in Technical Education	Diana Nagpal	Five Days	17 th June, 2024 – 21 th June, 2024	AICTE
6	FDP on R-Programming on Budding Data Analytics	Kiran Jyoti	Ten Days	9 th June, 2024 - 18 th June, 2024	Research foundation of India and RFI-CARE

Sr. No.	Name of Event	Faculty Coordinator	Duration	Date(s)	Organizer(s)
7	FDP on AI and Punjabi language	Daljeet Singh	Three Days	6 th June, 2024 - 8 th June, 2024	GNDEC, Ludhiana
8	Workshop on Artificial Intelligence and Punjabi Language: Recent Trends and Challenges Emerging Field: Advanced Computing	Kuljit Kaur	Three Days	6 th June, 2024 - 8 th June, 2024	GNDEC, Ludhiana
9	Workshop on Artificial Intelligence and Punjabi Language: Recent Trends and Challenges Emerging Field: Advanced Computing	Maninder Kaur	Three Days	6 th June, 2024 - 8 th June, 2024	GNDEC, Ludhiana
10	Workshop on Artificial Intelligence and Punjabi Language: Recent Trends and Challenges Emerging Field: Advanced	Lakhvir Kaur Grewal	Three Days	6 th June, 2024 - 8 th June, 2024	GNDEC, Ludhiana

Sr. No.	Name of Event	Faculty Coordinator	Duration	Date(s)	Organizer(s)
	Computing				
11	Workshop on Artificial Intelligence and Punjabi Language: Recent Trends and Challenges Emerging Field: Advanced Computing	Dr. Vivek Thapar	Three Days	6 th June, 2024 - 8 th June, 2024	GNDEC, Ludhiana
12	FDP on Confluence of Deep Learning, Generative AI and Deep Learning	Dr. Vivek Thapar	Five Days	6 th May, 2024 - 10 th May, 2024	GL Bajaj Institute of Technology and Management Uttar Pradesh
13	FDP on Effect of Generative AI in modern Research & Industry	Dr Sita Saini	Five Days	29 th April, 2024 – 3 rd May, 2024	Sister Nivedita University, Calcutta
14	FDP on Effect of Generative AI in modern Research & Industry	Lakhvir Kaur Grewal	Five Days	29 th April, 2024 - 3 rd May, 2024	Sister Nivedita University, Calcutta
15	FDP on Effect of Generative AI in modern Research & Industry	Maninder Kaur	Five Days	29 th April, 2024 - 3 rd May, 2024	Sister Nivedita University, Calcutta

Sr. No.	Name of Event	Faculty Coordinator	Duration	Date(s)	Organizer(s)
16	FDP on Effective Research Paper Writing Strategies and High Impact Journal Publication Techniques	Dr. Inderjit Singh	Five Days	22 nd April, 2024 - 26 th April, 2024	DCA,Kongu Engineering College (Autonomous) NAAC A++ Grade
17	FDP on Curriculum Development Processes	Dr. Inderjit Singh	Five Days	18 th March, 2024 - 22 nd March, 2024	NITTTR Chd and GNDEC,Ldh
18	FDP on Curriculum Development Processes	Dr. Vivek Thapar	Five Days	18 th March, 2024 - 22 nd March, 2024	AICTE sponsored NITTTR Chandigarh
19	FDP on Introduction to Soft Computing	Dr. Inderjit Singh		1 st January, 2024 - 31 st March, 2024	NPTEL-AICTE IIT Madras(Govt of India)
20	FDP on NBA Accreditation and	Dr. Vivek Thapar	Six Days	1 st January,	ATAL sponsored at GNDEC

Sr. No.	Name of Event	Faculty Coordinator	Duration	Date(s)	Organizer(s)
	Teaching Learning in Engineering			2024 - 6 th January, 2024	Ludhiana

Main Recruiters for CSE Students

Sr. No.	Name of Company
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
13	TATRAS Data Services Pvt. Ltd.
14	Nagaro
15	ASG Technologies Pvt. Ltd.

Sr. No.	Name of Company
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

Computer Society of India

Sr. No.	Name of Event	Event Type	Date
1	Interactive Session on Cyber Security -Emphasizing Banking Sector	Expert Session	27-April-24
2	Workshop on Cyber Security	Workshop	27-Feb-24
3	Workshop on Data Science	Workshop	06-Feb-24

Data Science Club

Sr. No.	Name of Event	Event Type	Date
1	Tech News Presentation(Anand Utsav 2024)	Technical Event	06/03/2024

Sr. No.	Name of Event	Event Type	Date
2	International Webinar on “An Introduction to Internet of Things (IoT) Technology and its Relevance to Engineering”	Webinar	02/03/2024
3	CO-DEsigners	Technical Event	02/02/2024