



International Conference on Sustainable Computing
Society For Education and Research Development, India
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Southern Institute of Social Sciences, Ho Chi Minh City, Vietnam
(Vietnam Academy of Social Sciences)
J49 Đ. Nguyễn Thị Minh Khai Bến Nghé, Quận 1, Hồ Chí Minh, Vietnam
Website : <https://icsc2025.serd.org.in/> e-mail : icscproceedings@gmail.com



INTERNATIONAL CONFERENCE ON SUSTAINABLE COMPUTING
JUNE 16-17, 2025

Programme Schedule Outline

INAUGURAL SESSION				
June 16th, 2025 at Auditorium (2nd Floor)				
NO	TIME	Dur	ACTIVITY	P.I.C
1	08.00-08.30	30'	Registration	Committee
2	08.30-08.35	5'	Introduction by MC	Dr. Saurabh Mittal (General Chair)
3	08.35-08.40	5'	Vietnamese National Anthem	Committee
4	08.40-08.50	10'	Welcome Speech by Director, SISS	Prof. Dr. Vu Tuan Hung
5	08.50-09.00	10'	Opening Speech by President, SERD	Prof. Vikas Kumar
6	09.00-09.40	40'	Keynote Address	Prof. Rajkishore Nayak, RMIT University
7	09.40-09.45	5'	SERD Sustainability Awards 2025	MC
8	09.45-09.55	10'	Presentation by Sustainability Award 2025 Winner	Prof. Intan Azura Mokhtar, SIT, Singapore
9	09.55-10.05	10'	Presentation by Sustainability Award 2025 Winner	Prof. Prasenjit Mondal, IITR, India
10	10.05-10.15	10'	Presentation by Sustainability Award 2025 Winner	Prof. Khakan Najaf, Liwa College, USA
11	10.15-10.25	10'	Felicitations	Director, SISS & President, SERD
12	10.25-10.30	5'	Vote of Thanks by Vice- Director, SISS	Dr. Nguyen Khanh Trung Kien
13	10.30-11.00	Coffee Break (Lobby, Ground floor)		
14	11.00-12.30	90'	Technical Session ICSC1 (Hall 4.1, Level 4) Technical Session ICSC3 (Online) Technical Session DICS 1 (Block_C3, 2 nd Floor, Hall no. 208, CU) Technical Session DICS 2 (Block_C3, 1 st Floor, Hall no. 101, CU) Technical Session DICS 3 (Block_B3, 1 st Floor, Hall no. 201A, CU) Technical Session DICS 4 (Block_B3, 4 th Floor, Room no. 406A, CU) Technical Session DICS 5 (Block_B3, Room no. 606)	Session Chairs *Session Chairs are requested to join the session 15 minutes prior to start of the session.
	12:30-13:30	60'	LUNCH Break	



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17	13.30-15:00	90'	Technical Session ICSC2 (Hall 4.1, Level 4) Technical Session ICSC4 (Online) Technical Session DICS 6(Block_C3, 1 st Floor, Hall no. 101, CU) Technical Session DICS 7 (Block_B3, 1 st Floor, Hall no. 201A, CU) Technical Session DICS 8 (Block_B3, 4 th Floor, Room no. 406A, CU)	Session Chairs *Session Chairs are requested to join the session 15 minutes prior to start of the session.
18	15.00-15.30	Coffee Break (Lobby, Ground Floor)		
19	15.30-16.30	60'	Poster Session P1 (SISS Lobby, Ground Floor) Poster Session P2 (Online)	Session Chairs *Session Chairs are requested to join the session 15 minutes prior to start of the session.

Day 2, June 17th, 2025

NO	TIME	DUR.	ACTIVITY	P.I.C
1	08.30-09.00	30''	Registration	Committee
2	10.30-11.00		Coffee break	
3	11.00-12:30	90'	Technical Session ICSC5 (Online)	Session Chairs *Session Chairs are requested to join the session 15 minutes prior to start of the session.
4	12.30-13.30	60''	LUNCH BREAK	Committee
VALIDATORY SESSION				
June 17, 2025 at Auditorium (2nd Floor)				
1	13:30-13:40	10''	Traditional Indian Dance Performance	Krati Bansal
2	13:40-13:50	10''	Conference Report by Vice Director, SISS	Dr. Nguyen Khanh Trung Kien
3	13:50 14:00	10''	Best Paper Awards	President SERD & Director, SISS
4	14:00-14:15	15''	Closing Remarks by Treasurer, SERD	Prof. G K Sethi
5	14:15-14:20	05''	Vote of Thanks	Dr. Pooja Nanda
6	14:20-14:30	10''	Photo Session	Committee
7	14:30-15:00	30''	Coffee, Networking and Feedbacks (SISS Lobby, Ground Floor)	



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ICSC 2025

Presentation Schedules (16-17 June 2025)

ICSC-1 (16 June 2025), Onsite, 11.00am-12.30pm, Indian Time			
Session Chair: Dr. Nitin Goyal, Central University of Haryana, dr.nitingoyal30@gmail.com , Dr. Nguyen Thai-Nghe, CIT-CTU, ntnghe@cit.ctu.edu.vn			
Sr. No.	Paper ID	Paper Title	Authors
1	22	Brain Disorder Classification using Machine Learning: An review	Ajay Bansal (Central University of Haryana)*; Manish Singhal (JECRC); Ashish Sharma (Manipal University Jaipur)
2	41	Evolutionary optimization for generalized municipal solid waste alleviation process	Qiming Qian (Qiming Qian)*
3	53	Enhanced Mantis Search Algorithm Using Opposition Theory for Global Optimization	Akash Saxena (Central University of Haryana); Ajay Kumar Bansal (Central University of Haryana)*; Shalini Shekhawat (Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, India)

ICSC-2 (16 June 2025), Onsite, 13.30pm-15.00pm, Indian Time			
Session Chair: Dr. Gabriel Ayodeji Ogunmola, Sharda University, Uzbekistan, gabriel00lead@yahoo.com Dr. Deepika Sharma, Director, AA Teachercool LLP, deepika.sharma@live.com			
Sr. No.	Paper ID	Paper Title	Authors
4	70	Real-Time Privacy Preserving Intrusion Detection in Smart-Grid using LightGBM in a Fog Computing Environment	Ashwani Mahlawat (Central University of Haryana)*; Nitin Goyal (Central University of Haryana); Ravneet Kaur (Chandigarh Engineering College); Amanpreet Kaur (Chitkara University, Punjab)
5	98	Leveraging Deep Learning for Lung Disease Diagnosis and Classification through X-ray Imaging	Khiem Nguyen (CanTho University)*; Quyen Pham Ngoc (CanTho University); Quang Tran Duy (CanTho University); Anh Khoi Ngo Ho (Nam Can Tho Univesity)
6	100	A Fusion Model of Image and Text for Product Recommendation	Le Huynh Quoc Bao (Can Tho University)*; Nguyen Minh Khiem (Can Tho University); Nguyen Thai-Nghe (Can Tho University)
7	200	The Role of Cybersecurity Startups in Achieving Sustainable Development Goals: An Empirical and Legal Analysis in the Kuwaiti Context	Muath Suleiman Al-Mulla (Kuwait International Law School); Hamad Faisal Al-Fahad (Kuwait International Law School)*; Layal Mansour-Ichrakieh (Kuwait International Law School)



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ICSC-3 (16 June 2025) Online, Google Joining Meet link: <https://meet.google.com/ivf-jpta-ftr>

11.00am-12.30pm, Indian Time

Session Chair: Dr. Naveen Pandey, Dev Sanskriti Vishwavidyalaya Haridwar,
naveen.pandey@dsbv.ac.in, +91-8126188949

Dr. Pardeep Kumar, Kurukshetra University, pkmittal@kuk.ac.in

***Session Chairs are requested to join the session 15 minutes prior to start of the session.**

Sr. No.	Paper ID	Paper Title	Authors
8	28	Balancing Sustainability and Inclusivity in Public Open Spaces: An Environmental Perspective	Akshay Gupta (Manipal University Jaipur)*; Madhura Yadav (Manipal University Jaipur); Bibhu Kalyan Nayak (Manipal University Jaipur)
9	29	Metrics that Drive Customer Engagement and Business Performance in SMEs	Chakshu Chakshu (Sushant University); Priyanka Pradhan (Sushant University)*; Aanchal Dangwal (Sushant University, Gurugram)
10	31	Motivators and Demotivators of Using Generative AI in Management Education: The Teacher's Perspective	Melita Stephen Natal (Amity University, Greater Noida)*; Gaurav Gupta Gupta (Amity University, Greater Noida); Narendra Singh Chaudhary (Sparsh Global Business School)
11	33	Knee Osteoarthritis Detection and Severity Classification Based on X-ray Images Using ResNet and SEResNet Models	Thai Hoang Nguyen (Can Tho University)*; Hai Thanh Nguyen (Can Tho University); Thai-Nghe Nguyen (Can Tho University)
12	59	Artificial Intelligence in Detecting H. pylori-Positive Gastric Cancer: A Comprehensive Review	Parneet Kaur (Khalsa College of Engineering and Technology)*
13	67	An Enhanced MRI-Based Model for Brain Tumor Classification using Fine-Tuned InceptionV3	Ambuj Kathuria (Chitkara University Institute of Engineering and Technology, Chitkara University, Punjab); Deepali Gupta (Chitkara University, India)*; Mudita Uppal (Chitkara University Institute of Engineering and Technology, Chitkara University, Punjab)
14	72	Revolutionizing Ulcerative Colitis Management Through Artificial Intelligence: A Review	Sunaina Verma (IKGPTU)*; Manju Bala (Khalsa College of Engineering and Technology, Amritsar); Mohit Angurala (Guru Nanak Dev University College, Pathankot)
15	76	Optimized ResNet18 for Accurate Brain Infarct Classification with Robust Data Processing	Shilpa Bajaj (IK Gujral Punjab Technical University Jalandhar Faculty of Applied Sciences)*
16	81	Predicting Stubble Burning Patterns Using AI	Vibhu Sharma (Chitkara University)*; Manju Lata (Chandigarh University); Kriti Taneja (Chandigarh University)



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ICSC-4 (17 June 2025), Google Joining Meet link:
<https://calendar.app.google/qF8DGmGG059mbGcw9>

13.30pm-15.00pm, Indian Time

Session Chair: Dr. Chandrashekhar, Manipal University, chandrashekhar.patel@jaipur.manipal.edu,
+91-7895510180

Dr. Manju Khari, Jawaharlal Nehru University, Delhi, manjukhari@jnu.ac.in

*Session Chairs are requested to join the session 15 minutes prior to start of the session.

Sr. No.	Paper ID	Paper Title	Authors
17	90	Exploitation of Digital Communication: The Role of WhatsApp and Video Calls in Cybercrime and Blackmail in India	Lalit Kumar (Maharishi Markandeshwar Deemed to be University, Mullana)*
18	95	CutMix and MixUp: Effective Data Augmentation Strategies for Enhancing YOLOv8m-cls in Food Image Classification	Tran Nam (FPT University)*; Vinh Nguyen Dinh (FPT University); Giang Le Truong (FPT University); Tuyen Vu Thi Bich (FPT University); Tung Trinh Quang (FPT University); Huy Huynh Anh (FPT University)
19	103	Windows Malware Loader Behaviour Analysis Based on API Calls with LLM and Ontology	Nguyen Nhat (FPT University)*; Manh-Duc Hoang (FPT University); Dang-Vinh Ta (FPT University); Phuong-Mai Nguyen (FPT University); Thai-Hoang Pham (FPT University); Thi-Ngan Nguyen (FPT University); Duc-Quy Vu (FPT University)
20	132	Face Mask Detection Using YOLOv8 with Fine-Tuning and EfficientNet Backbone	Thuan Chau (FPT University); Vinh Nguyen Dinh (FPT University)*
21	160	Performance Analysis of Backscatter Communication Under Energy Outage for MEC-aided UAV-enabled NOMA in IoT Networks	Nguyen Nhat (FPT University)*; Gia-Huy Nguyen (FPT University); Khai Nguyen (FPT University); Minh-Sang Nguyen (FPT University); Tung-Son Ngo (FPT University); Ngoc-Anh Bui (FPT University); Phuong-Chi Le (FPT University); Manh-Duc Hoang (FPT University); Tien-Dat Trinh (FPT University); Tuan-Anh Hoang (FPT University)
22	171	Adaptive LLM Responses with RAG: A Dataset and Methodology for Personalized Education via Academic Transcripts	Vinh Nguyen (FPT University)*; Nhan Tran (FPT University); Phong Nguyen (FPT University); Khoa Dao (FPT University)
23	183	Navigating Risks: A Deep Dive into Smart City Infrastructure	Nusrat Hamid Shah (Jazan University)*; Nusrat Hamid Shah (Universiti Teknologi Malaysia); Subuhi Kashif Ansari (Jazan University); Mohammed Ashfaq Hussain (Jazan University); Roma Fayaz (Jazan University); Durdana Taranum Khan (Jazan University); Lubna Hamid Shah (Jazan University)
24	190	Digital Transformation and the Role of Green Branding in the IoT Era	Dr.Sarika Sagar (Indira institute of management)*; Dr.Shoba james (Vijay patil School of Management); Dr.Stuti Sahni (Vijay patil school of Management)



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ICSC – 5 (17 June 2025), Google Joining Meet link:

<https://calendar.app.google/CZpgJuVQPS98xKg3A>

11.00am-12.30pm, Indian Time

Session Chair: Dr. Rajeshwari Trivedi, Parul University, Gujarat, rajeshwariptrivedi@gmail.com,
+91-9456337187, Dr. Vikas Khullar, Chitkara University, vikas.khullar@chitkara.edu.in, Dr. Usha
Batra, SVSU Haryana, usha.batra@svsu.ac.in

*Session Chairs are requested to join the session 15 minutes prior to start of the session.

Sr. No.	Paper ID	Paper Title	Authors
25	197	Digital Currencies and Climate: A Literature Based Analysis of Environmental Impact	Sonali Shrotri (Indira Institute of Management)*; Smriti Pathak (Pimpri Chinchwad College of Arts Commerce and Science); Remya Anilkumar (Tilak Education Society's J.K.College of Science and Commerce)
26	217	Harnessing Artificial Intelligence for Optimizing Green Investment Portfolios and ESG Scoring	Thomson Varghese (Indira College Of Commerce & Science)*; Minal S. Paranjape (Shri Siddhivinayak Mahila Mahavidyalaya); Shraddha Bhome (Tilak Education Society's J. K. College of Science and Commerce, Ghansoli); Mugdha Amit Bhadkamkar (J K College of Science and Commerce)
27	229	Platform Economy: Temporary Workplace, Permanent Emotion	Prerana Shahi (Amity University Noida)*; Pooja Nanda (Amity University, Uttar Pradesh); Vikas Kumar (Central University Of Haryana)
28	241	On the Performance Analysis of Rate-Splitting Multiple Access for Enhanced Computation Offloading in UAV-enabled MEC within IoT Networks	Nguyen Nhat (FPT University)*; Khai Nguyen (FPT University); Gia-Huy Nguyen (FPT University); Tung-Son Ngo (FPT University); Ngoc-Anh Bui (FPT University); Phuong-Chi Le (FPT University); Manh-Duc Hoang (FPT University); Tien-Dat Trinh (FPT University); Tuan-Anh Hoang (FPT University)
29	244	Artificial Intelligence in Auditing: A Bibliometric Review of Global Research Developments	Simon Nisja Putra Zai (STIE Swasta Mandiri)*; Isnayni Sabila (Sebelas Maret University); Siti Rochmah Ika (Universitas Janabadra); Ari Kuncara Widagdo (Sebelas Maret University)
30	251	Does Artificial Intelligence Disrupt or Enhance HR Functions?	Richa N (Agarwal)
31	252	The Influence of Social Media and Digital Literacy on Increasing Agricultural Product Sales	Retno Lantarsih (Janabadra University); Tiara Nur Anisah (Janabadra University); Untoro Budi Surono (Janabadra university); Yumarlin MZ (Janabadra University)



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DICS – 1 (16 June 2025), 11.00am-12.30pm, Indian Time

Session Chair: Dr. Sanjay Singla, Chandigarh University, sanjay.e13538@cumail.in +91-9729376850

Rapporteur: Er. Meenakshi Rana, meenakshi.e14673@cumail.in, +91-7889057032

***Session Chairs are requested to join the session 15 minutes prior to start of the session.**

Sr. No.	Paper ID	Paper Title	Authors
1	8	The Role of Component-Based Architecture in Enhancing Web Development Efficiency	N B (CU)*; Jyoti Rani (Chandigarh University); Himanshu Kumar (Chandigarh University); Kanak Kumari (Chandigarh University); Jitesh Singh (Chandigarh University)
2	9	Exploring Stable Diffusion: Theoretical Insights, Applications, and Future Directions	Gurleen Kaur (Chandigarh University)*; Dhruv Soni (Chandigarh University); Avreet Singh (Chandigarh University); Yash Arora (Chandigarh University)
3	12	Design a Deep Learning Model for Face mask detection	Nisha Kumari (CHANDIGARH UNIVERSITY)*; Shammy Samita (Chandigarh University); Shivansh Singh (Chandigarh University); Ayushi Gupta (Chandigarh University); Vickey Kumar (Chandigarh University); Aniket Singh (Chandigarh University)
4	20	Enhancing Cybersecurity Through Human-Centric Approaches	Teesha Madan (Chandigarh University)*; Vishal Bhatia (Chandigarh University); Shikha Jumta (Chandigarh University); Aadya Mishra (Chandigarh University); Kiranpreet Kaur (Chandigarh University)
5	25	Development and Evaluation of a Real-Time Drowsiness Monitoring System	Aarti Hans (Chandigarh University)*; Namrata Vij (CSE Department, UIE, Chandigarh University, Mohali, Punjab)
6	26	EventFinder App	Gurleen Kaur (Chandigarh University)*; Baronika Oraon2 (Chandigarh University)
7	37	Image Classification Using CNN	Puneet Kaur (chandigarh university)*; Shubhang Deep Singh (chandigarh university); Payal Singh (Chandigarh University); Amrita chaudhary (chandigarh university); Yash Manoj Bamankar (Chandigarh University)
8	44	Personalized Price Comparison: A Machine Learning Approach.	Ayush Sharma (Chandigarh University)*; Manni Kumar (Chandigarh University); Gunjan Jain (Chandigarh University); Rachit Jain (Chandigarh University); Prashant Giri (Chandigarh University); Harsh Kumar (Chandigarh University)



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DICS – 2 (16 June 2025), 11.00am-12.30pm, Indian Time

Session Chair: Dr. Raman Chadha, Chandigarh University, raman.e11212@cumail.in +91-8439643995

Rapporteur: Er. Geetkiran Kaur, geetkiran.cse@cumail.in +91-9876711611

***Session Chairs are requested to join the session 15 minutes prior to start of the session.**

Sr. No.	Paper ID	Paper Title	Authors
9	47	Data-Driven Unemployment Analysis: Predictive Modelling and Trend Forecasting Using Python	Kshitiz Bakliwal (Chandigarh University)*; Manni Kumar (Chandigarh University); Siddharth Nain (Chandigarh University); Manjot Singh (Chandigarh University); Anushka Shukla (Chandigarh University); Vipul Hooda (Chandigarh University); Harman Singh (Chandigarh University)
10	51	CV IntelliCheck	Sanjeev Jangir (Chandigarh University); Er. Ritu (Chandigarh University)*; Anirudh Gahlawat (Chandigarh University); Tarush Mehra (Chandigarh University); Hardik Garg (Chandigarh University)
11	69	Advanced Analysis and Implementation of NLP-Based Resume Parsing for Automated Recruitment Solution	Ashutosh Sharan (Chandigarh University)*; Er. Mamta Punia (Chandigarh University); Soyam Kumar Gupta (Chandigarh University); Surbhi Priya (Chandigarh University); Manish Kumar (Chandigarh University)
12	73	Enhancing Textual Understanding in ChatGPT	Sagar Rawat (Chandigarh University)*; Shammy Samita (Chandigarh University); Manjot Singh (Chandigarh University); Pratik Upadhyay (Chandigarh University); Arjun Vyas (Chandigarh University); Siddhant Uniyal (Chandigarh University)
13	78	Streamlining Healthcare Inventory Management through Flask	Vivek Garg (Chandigarh University)*; Isha Sharma (Chandigarh University); Srishti Srishti (Chandigarh University); Kushan Jigyasu (Chandigarh University); Ashupreet Kaur (Chandigarh University); Bhavvata Dass (Chandigarh University)
14	80	Heart Disease Prediction Using ANN	Rishabh Raj (Chandigarh University)*; Jyoti Rani (Chandigarh University); Niharika Bharti (Chandigarh University)
15	84	The Intersection of IoT Data and Cloud Platforms	Navkirat Singh (Chandigarh University)*
16	85	Deep Learning-Based Detection of Skin and Oral Cancer: Advancing Diagnostic Accuracy and Early Intervention	Geetika Sharma (Chandigarh University)*; Anupam Mittal (Chandigarh University); Amandeep Kaur (Chandigarh University)



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DICS – 3 (16 June 2025), 11.00am-12.30pm, Indian Time

**Session Chair: Dr. Parveen Kumar Mannepalli, Chandigarh University, praveen.e17513@cumail.in
+91-9908020586**

Rapporteur: Er. Deepika Sood, deepika.e10446@cumail.in +91-9779577728

***Session Chairs are requested to join the session 15 minutes prior to start of the session.**

Sr. No.	Paper ID	Paper Title	Authors
17	88	Speech Emotion Recognizer	Aayush Sharma (Chandigarh university)*; Jyoti Rani (Chandigarh university); Akshit Sharma (Chandigarh university); Shatakshi Sharma (Chandigarh university); Anurag Jangid (Chandigarh university)
18	91	Ai-based sentiment analysis for social media platforms	Shammy Samita (Chandigarh University); Akash Lakhwan (Chandigarh University)*; Yashraj Yadav (Chandigarh University); Anurag Nayak (Chandigarh University); Shubham Shubham (Chandigarh University); Maneesh Sonkaria (Chandigarh University)
19	96	Leveraging Deep Learning For Landslide Detection	Jyoti Arora (Chandigarh University); Abdul Kalam (Chandigarh University)*; Raj Mohnani (Chandigarh University); Kashif Kamal (Chandigarh University)
20	97	AI-Powered Interior Design Website using Google Gemini	Garv Gupta (Chandigarh University)*; Jyoti Arora (Chandigarh University); Purnima Yadav (Chandigarh University); Harshit Raj (Chandigarh University)
21	99	Improving Database Query Performance using Bloom Filters	Sunidhi Gupta (chandigarh university)*; Jyoti Arora (chandigarh university); Devesh Jhajharia (chandigarh university)
22	101	Face Recognition using Python	Rashad Ali (Chandigarh University)*; Paras Verma (Chandigarh University); Aditya Raj (Chandigarh University); Shubham Pandit (Chandigarh University); Manni Kumar (Chandigarh University)
23	107	Virtual Reality-Based Educational Platform for Interactive Learning	Charnpreet Kaur (Chandigarh University)*
24	38	Optimizing Landslide Prediction Using Stacking Ensemble Learning and Remote Sensing Data	Jyoti Arora (Chandigarh University)*; Rajeshwari Trivedi (Parul University); Anupam Mittal (Chandigarh University); Geetika Sharma (Chandigarh University Gharuan)



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DICS-4, (16 June 2025), 11.00am-12.30pm, Indian Time

Session Chair: Dr. Manoj Wadhwa, Chandigarh University, manoj.e17121@cumail.in +91-9350158493

Rapporteur: Er. Reshma, reshma.cpu@cumail.in +91-7888809322

***Session Chairs are requested to join the session 15 minutes prior to start of the session.**

Sr. No.	Paper ID	Paper Title	Authors
25	40	Sentiment Analysis of Social Media Texts using Machine Learning	Charnpreet Kaur (Chandigarh University)*
26	45	AI-Driven Cybersecurity Solutions for IoT: A Comprehensive Study, Challenges and Future Direction	Manni Kumar (Chandigarh University) Yash Bansal (Chandigarh University) Suryansh Gehlot (Chandigarh University) Aryadeep (Chandigarh University) Shagun Sharma (Chandigarh University) Vipul Kumar (Chandigarh University)
27	61	Hybrid Model Approach for Cardiovascular Disease Risk Prediction and Analysis: Integrating Machine Learning and Statistical Methods	Kanishika (Chandigarh University)*; Praveen Kumar Mannepalli (Chandigarh University); Bobbinpreet Kaur (Chandigarh University)
28	63	Crafting Human-like Dialogues: Strategies for Enhancing Chatbots Conversational Ability	Manju Lata (Chandigarh University, Mohali, Punjab)*; Vibhu Sharma (Chitkara University, Punjab); Lata Gupta (Chandigarh University); Vibhu Sharma (Chitkara University, Punjab)
29	64	Enhancing Chatbot Efficiency: Automation Script Methodologies and Performance Optimization	Manju Lata (Chandigarh University, Mohali, Punjab)*; Udaishankar Royal (Vivekananda College of Technology & Management, Aligarh); Vibhu Sharma (Chitkara University, Punjab); Lata Gupta (Chandigarh University)
30	89	Smart Solutions for Spondylosis: AI and ML Applications in Early Detection	Amrita Chaudhary (Chandigarh University)*; Puneet Kaur (Chandigarh University); Charnpreet Kaur (Chandigarh University)
31	109	Thermal Image Classification under Adverse Conditions using Ensemble Learning	Akash Choudhary (Chandigarh University)*
32	112	Sentiment Analysis and Trend Prediction in Social Media	Sameer Sardana (Chandigarh University)*; Bandanjot Kaur (Chandigarh University); Divyansh Sandhu (Chandigarh University); Devkinandan Garg (Chandigarh University); Tauheed Ansari (Chandigarh University)



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DICS – 5 (16 June 2025), 11.00am-12.30pm, Indian Time

Session Chair: Dr. Neetu Rani, neetu.e13849@cumail.in +91-9464831736
Rapporteur: Er. Shammy Samita, shammy.e15675@cumail.in +91-9878875251

***Session Chairs are requested to join the session 15 minutes prior to start of the session.**

Sr. No.	Paper ID	Paper Title	Authors
33	114	Medical Insurance Cost Prediction	Bandhanjot Kaur (Chandigarh University); Sidhant Manchanda (Chandigarh University)*; Harsh Shaw (Chandigarh University); Bashar Rizwan (Chandigarh University); Aman Kumar (Chandigarh University)
34	115	Industry 4.0 Based Projects	Bandanajot Kaur (Chandigarh University)*; Rohan Kadyan (Chandigarh University); Tribhuvan Singh (Chandigarh University); Sagar Kumar (Chandigarh University); Govind Saini (Chandigarh University); Nitin Sharma (Chandigarh University)
35	117	Explainable AI (XAI) in Healthcare: Enhancing Trust and Transparency in Medical	Shweta Sharma (Chandigarh University)*
36	118	How FinTech is Disrupting the Traditional Banking System	Shweta Sharma (Chandigarh University)*
37	119	A Comprehensive Survey on Database Technologies: Trends, Challenges, and Future Directions	Shweta Sharma (Chandigarh University)*
38	127	Vulnerability Assessment and Malware Detection using Machine Learning	Vicky kumar (Chandigarh university)*
39	129	Advancing autonomous vehicles with reinforcement learning	Tarun Kumar (Chandigarh University)*; Aarav Goyal (Chandigarh University); Bandanajot Kaur (Chandigarh University); Anirudh Mehta (Chnadigarh University); Abhinav Choudhary (Chandigarh University); Azad Shoekand (Chandigarh University)
40	145	A Web-Based Integrated Development Environment (IDE) with Docker-Based Isolation for Secure and Scalable Development	Jyoti Rani (Chandigarh University)*; Sudhanshu Ranjan (Chandigarh University); Nikhil Yadav (Chandigarh University); Kunal Raj (Chandigarh University); Diwakar Kumar (Chandigarh University)



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DICS –6 (16 June 2025), 13.30pm-15.00pm, Indian Time

Session Chair: Dr. Neha Dutta, neha.e12830@cumail.in +91-9996015285

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***Session Chairs are requested to join the session 15 minutes prior to start of the session.**

Sr. No.	Paper ID	Paper Title	Authors
41	146	Reverse Image Search Using Image Hashing	Urvi Jindal (Chandigarh University)*; Shammy Samita (Chandigarh University); Keshav Laddha (Chandigarh University); Naman Sharma (Chandigarh University); Ansh Setia (Chandigarh University); Utkarsh Sharma (Chandigarh University)
42	147	AI-Optimized Video Conferencing: Neural Compression, Adaptive WebRTC, and Edge AI for Low-Bandwidth, Low-Latency Communication	Sanjay Singla (Chandigarh University)*; Harsh Tanwar (Chandigarh University); Rupesh Bhatia (Chandigarh University); Sushant Raj (Chandigarh University); Divyanshu Sah (Chandigarh University); Shubhra Sinha (Chandigarh University)
43	149	Heart Attack Risk Prediction Using Retinal Eye images	Prateek Kumar (Chandigarh University)*; Jyoti Rani (Chandigarh University); Ranjeet Singh (Chandigarh University); Keshav Singh (Chandigarh University); Alok Verma (Chandigarh University)
44	156	IOT Based Sewage Monitoring System	Yash Verdhan (Chandigarh University)*; Ishika Jindal (Chandigarh University); Tanish Thapa (Chandigarh University); Deepa Taneja (Chandigarh University); Er.Ashish Kumar (Chandigarh University)
45	158	Solar Power Prediction using GA & PSO Techniques of Machine Learning	Kushal Sihag (Chandigarh University)*; Shikha Bharti (Chandigarh University); Ayush Sharma (Chandigarh University); Aditya Jangra (Chandigarh University); Madhavi Kumawat (Chandigarh University)
46	159	Iot In Industry 4.0: Revolutionizing Industrial Automation Through Connectivity And Advanced Analytics	Bandanjot Kaur (Chandigarh University)*; Anmol Singh (Chandigarh University); Ajay Raghav (Chandigarh University); Uday Partap Singh (Chandigarh University); Shreyansh Dutta (Chandigarh University); Arpita (Chandigarh University)
47	161	Smart Electricity Billing Management System Using JAVA AWT	Lavisha Bansal (Chandigarh University)*; Raunak Raj (Chandigarh University); Md.Javed Akhter (Chandigarh University); Jyoti Rani (Chandigarh University)



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DICS – 7 (16 June 2025), 13.30pm-15.00pm, Indian Time

**Session Chair: Dr. Parveen Kumar Mannepalli, Chandigarh University, praveen.e17513@cumail.in
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***Session Chairs are requested to join the session 15 minutes prior to start of the session.**

Sr. No.	Paper ID	Paper Title	Authors
48	167	AI and Machine Learning in Cybersecurity: Techniques, Trends, and Case Studies	Ayush Barnwal (Chandigarh University)*; Shudhanshu Malhotra (Chandigarh University); Neelamani Samal (Chandigarh University); Vanshit Agarwal (Chandigarh University)
49	169	Listening AI Chatbots: A Historical Analysis and Vision for the Future	Dr. Dutta (Chandigarh University)*; Bhawna Chauda (MMU)
50	181	Senior Connect	Selim Jahangir (Chandigarh University)*
51	186	Stock Market Prediction using AIML	Kshitij Kumar (chandigarh university)*; Sanjay Singla (chandigarh university); Rajnish Kumar (chandigarh university); Vivek Kumar (chandigarh university); Harsh Pandey (chandigarh university); Abhigyan Srivastava (chandigarh university)
52	188	Smart Traffic management system using IOT	Gagan Mala (Chandigarh University)*
53	191	Plant Disease Detection Using CNN:A Review	Masood Chowdhury (Chandigarh University)*; Neha Dutta (Chandigarh University); Surinder Kaur (Chandigarh University)
54	196	CNN Based Pneumonia Detection model with ensemble methods using Chest X-Ray Images : A Review	Akshit Jain (Chandigarh University)*; Sandeep Singh Kang (Chandigarh University); Neha Dutta (Chandigarh University)



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DICS – 8 (16 June 2025), 13.30pm-15.00pm, Indian Time

Session Chair: Dr. Manoj Wadhwa, Chandigarh University, manoj.e17121@cumail.in +91-9350158493

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***Session Chairs are requested to join the session 15 minutes prior to start of the session.**

Sr. No.	Paper ID	Paper Title	Authors
55	219	MRI-Based Brain Tumor Detection Using CNN and Ensemble Methods	Jatin Kumar (Chandigarh University)*; Shikha Gupta (Chandigarh University); Manjit Singh (Chandigarh University)
56	222	CNN Based Brain Tumor Detection Using MRI Images: A Review	Jatin Kumar (Chandigarh University)*; Shikha Gupta (Chandigarh University); Manjit Singh (Chandigarh University)
57	137	Monitoring Crop Residue Burning Using Remote Sensing Techniques	Shubham Kumar (Chandigarh University)*; Aditya Aroh (Chandigarh University)
58	155	Detecting Cars and Trucks from Aerial Imagery: An Efficient Deep Learning Approach	Ashish Sarawat (Chandigarh University) Aaryan Sharma (Chandigarh University) Pranjal Gupta (Chandigarh University) Jagdeep (Chandigarh University) Er. Kussum (Chandigarh University)
59	184	Multimodal Machine Translation	Swechchha Rani (Chandigarh University)*; Shammy Samita (Chandigarh University); Asmita Kumari (Chandigarh University)
60	195	CNN Based Pneumonia Detection model with ensemble methods using Chest X-Ray Images	Akshit Jain (Chandigarh University)*; Sandeep Singh Kang (Chandigarh University); Neha Dutta (Chandigarh University)
61	250	Exploring Sustainable Computing Behaviors: A Factor Analysis of Green Computing Practices among Indian University Students	Manmeet Kaur (Chandigarh University) Gagandeep Singh (Chandigarh University)