



SHARDA
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Beyond Boundaries

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TECHNOVIKA

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SCHOOL OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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VISION ►

To be recognized as the fountainhead of excellence in technical knowledge and research in computer science and engineering to attract students and scholars across the globe.

MISSION ►

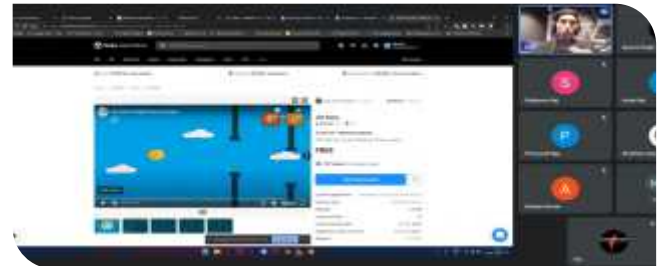
- M1: To strengthen a successful, ethical, effective problem solver in Computer Science & Engineering through analytical learning.
- M2: To promote interdisciplinary research & innovation-based activities in emerging areas of technology globally.
- M3: To facilitate and foster the industry-academia collaboration to enhance entrepreneurship skills and acquaintance with corporate culture.
- M4: To inculcate in them a higher degree of social consciousness and moral values towards solving interdisciplinary societal problems using industry-academia collaboration.

DEPARTMENT EVENTS

Department of Computer Science and Engineering , Sharda University, Greater Noida organized 4 th one week FDP on Recent advances in Computer Science and Allied Domains (RACSAD-2022) through online mode on 20 th – 25 th June, 2022. The objective of the event was to develop research acumen among faculty members and also dissemination of the same amongst the students by incorporating research based inputs in education and to give participants a review of the latest and upcoming trends in the next five years. Mr. Sudhir Aggrawal, Associate Director, Deloitte Touche Tohmatsu, India.



Department of Computer Science and Engineering, Sharda University organized a webinar on “Introduction to Game Development” under Technical society (Technova) on 28 th June. The objective of the event is to give the students basic knowledge of Game Designing and Game Development and to introduce the students about the basis requirement of game development such as UNITY Game Engine and C# Programming Language. The speaker of the event was Mr. Nitin Kumar, Director, Epsilon Creative Agency. Total numbers of participants were 44 in this event.



Department of computer science and engineering organized a Guest Talk on "Secure Coding and Threat Intelligence" has been organized on 3rd December, 2022. This guest talk covered all the aspects related to Secure Coding and Threat Intelligence trends and related aspects such as role of Secure Coding, skills required for Secure Coding, careers available in Secure Coding, role of Threat Intelligence, Need of Threat Intelligence for Academia, Recent Threats and their mitigations using Threat Intelligence. The speakers of the event were Mr. JV Sai Abhiram, ISCI Certified Network Security Specialist and Mr. Avinash Kumar from Rashtriya Raksha University (Central University), Gandhinagar, Gujarat.



Cyber Pirates Club under Technova has organized a "Hands-On Session on Penetration Testing" on 9th July, 2022. Total 56 students participated in this event.



Department of Computer Science and Engineering has organized Technical Talk on Essentials of Research in Engineering under Technova on 1st August, 2022. Total 110 students have attended this session.

RESEARCH AND DEVELOPMENT

Title of Paper	Name of Author/s	Name of Journal	Name of Journal
A Comprehensive Approach to Detecting Brain Tumors in Mri Images Using Deep Learning	Akhilesh Pandey, Hoor Fatima, Nitin Rakesh	Journal of East China University of Science and Technology	2022
Optimizing Regeneration Time by Node Selection in Group Repair Code	Swati Mittal, Anu Mehra, Nitin Rakesh, Rakesh Matam	International Journal of Mathematical, Engineering and Management Sciences Preview publication details;	2022
Zigbee-Based Low Power Consumption Wearables Device for Voice Data Transmission	Asthma Shuhail AlShuhail, Surbhi Bhatia, Ankit Kumar, Bharat Bhushan	Sustainability	2022
NNPCov19: Artificial Neural Network-Based Propaganda Identification on Social Media in COVID-19 Era	Akib Mohi Ud Din Khanday, Bharat Bhushan, Rutvij H Jhaveri, Qamar Rayees Khan, Roshani Raut, Syed Tanzeel Rabani	Mobile Information Systems	2022
Localization and correction of location information for nodes in UWSN-LCLI	Ambuj Kumar Agarwal, Gulista Khan, Shamimul Qamar, Niranjana Lal	Advances in Engineering Software	2022
Complex predictive analysis for health care: a comprehensive review	Dolley Srivastava, Himanshu Pandey, Ambuj Kumar Agarwal	Bulletin of Electrical Engineering and Informatics	2022
Exploiting artificial intelligence for combating COVID-19: a review and appraisal	Richa Sharma, Himanshu Pandey, Ambuj Kumar Agarwal	Bulletin of Electrical Engineering and Informatics	2022
Multi-View Deep CNN for Automated Target Recognition and Classification of Synthetic Aperture Radar Image	Sudeshna Chakraborty, Amrita, Tanupriya Choudhury, Roohi Sille, Chiranjit Dutta, Bhupesh Kumar Dewangan	Journal of Advances in Information Technology	2022
Peripheral blood cell classification using modified local- information weighted fuzzy C-means clustering-based golden eagle optimization model	Avinash Dwivedi, Vipin Rai, Amrita, Shivani Joshi, Rajiv Kumar & Sanjeev Kumar Pippal	Soft Computing	2022
Topic Modeling in Healthcare: A Survey Study	Aditi Gupta, Hoor Fatima	NeuroQuantology	2022
Advance cataloguing method for breast cancer detection	Harish Kumar, Anuradha, Tarun Maini, Dileep Kumar Yadav and Sumit Mohan	International Journal of health sciences	2022
Improved Methodology For Personality Assessment Using Handwritten Documents	Pradeep Kumar Mishra, Ali Imam Abidi and Gouri Shankar Mishra	Journal of Positive School Psychology	2022

Title of Paper	Name of Author/s	Name of Journal	Name of Journal
Biodegradable Filament for 3D Printing Process: A Review	Amrita, Aluri Manoj and Ramesh Chandra Panda	Engineered Science	2022
Implementation of Smart Intelligent Transportation System Using Deep Learning	Aiman Sayeed, Dileep Kumar Yadav, Sudeep Varshney, Manoj Kumar, Sneha Mishra	Journal of East China University of Science and Technology	2022
Fine-Tuned T5 for Abstractive Summarization	Abdul Ghafoor Etemad, Ali Imam Abidi, and Megha Chhabra	International Journal of Performability Engineering	2022
A Review On Smart Car Parking System	Rani Astya, Soni Jain , Sukriti Sachan, Aish Aggarwal	GIS SCIENCE JOURNAL	2022
Clustering Based Optimal Cluster Head Selection Using Bio- Inspired Neural Network in Energy Optimization of 6LowPAN	Mudassir Khan, A. Ilavendhan, C. Nelson Kennedy Babu, Vishal Jain, S. B. Goyal, Chaman Verma, Calin Ovidiu Safirescu and Traian Candin Mihaltan	Energies	2022
An Experimental Analysis of Various Machine Learning Algorithms for Hand Gesture Recognition	Shashi Bhushan, Mohammed Alshehri , Ismail Keshta, Ashish Kumar Chakraverti, Jitendra Rajpurohit and A hed Abugabah	Electronics	2022
Vision: A Computer Vision Based Secure Assignment Framework	Inderpreet Singh, Anmol Chandel, Dheerendra Singh, Gaurav Raj and Ankita Chandel	Advances and Applications in Mathematical Sciences	2022
Selection of Regression Test Suite using Crow Search Algorithm	Abhishek Singh Verma, Ankur Choudhary, Shailesh Tiwari	Design Engineering (Toronto)	2022
Medical Image Denoising and Classification Based on Machine Learning: A Review	Saumya Chaturvedi1, Aditya Sai Srinivas T2, Karthikeyan R3, Vijayaraj M3, Nirmal Kumar A4 and Sangeetha M5	ECSTransactions	2022
FingerPrint Voting System	Anayatullah Hayat, Ahmad Munir, Bahram Sadiq, Sonia Setia, Srishti Dixit	Advancement in Electronics & Communication Engineering (AECE-2022), 2022.	2022

FACULTY ACHIEVEMENTS

Ms. Abha Kiran Rajpoot has successfully defended her Ph.D. degree on “Textual sentiment classification with feature selection using Deep Learning Approach via Auto encoders for information Retrieval” on 31-12- 2022 from Sharda University under the guidance of Prof. Parma Nand and Dr. Ali Imam Abidi.



Dr. Kusum Lata Patiyal has successfully defended her Ph.D. degree on “Coreference resolution for hindi language text using deep learning” on 19-11-2022 from NIT Hamirpur, Himachal Pradesh.



STUDENTS ACHIEVEMENTS

- Ms. Deepali Salwan has successfully defended her Ph.D. degree on “Development of Algorithm for Magnetic and Axial Sensors in Designing Prosthetic Knee Joint” on 30-12-2022 from Sharda University under the guidance of Prof. Shri Kant.
- Mr. Law Kumar has successfully defended her Ph.D. degree on “Detection of Glaucoma Disease in Retinal Images Using Machine Learning” on 29-12-2022 from Sharda University under the guidance of Dr. Pooja, Professor, CSE, SET.
- Mr. Nishant Sharma & Mr. Atul Kumar of CSE department presented the Hadron Humanoid Robot at Techfest 2022 – IIT Bombay during 16 th – 18 th December, 2022. Techfest is Asia’s Largest Science and Technology Festival. The robot was developed by Mr. Nishant Sharma & Mr. Atul Kumar of CSE department under the guidance of Prof.(Dr.) Parma Nand and Prof.(Dr.) Nitin Rakesh.



- Nayeemur Rahman, a student of B.Tech.(CSE) second year of school of Engineering and Technology, Sharda University participated in 60 th roller hockey National Championship in capacity of vice captain of Uttar Pradesh Senior boys team. Team Uttar Pradesh secured second position at national level held at Bangalore during December 11 to December 22, 2022.



CHIEF EDITORIAL

Dr. Nitin Rakesh

Professor and HoD, Dept of CSE, SET

EDITORIAL TEAM MEMBERS

Dr. Saurabh Kumar, Assistant professor, CSE, SET

Dr. Bharat Bhushan, Assistant professor, CSE, SET

Mr. Kirti Kumar (3rd Year, CSE)

Ms. Nidhi Pandey (1st Year, CSE)