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Beyond Boundaries

TECHNOVIKA

(A bi-annual Magazine of Department of Computer Science & Engineering)

SCHOOL OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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TECHNOVIKA

SCHOOL OF ENGINEERING & TECHNOLOGY

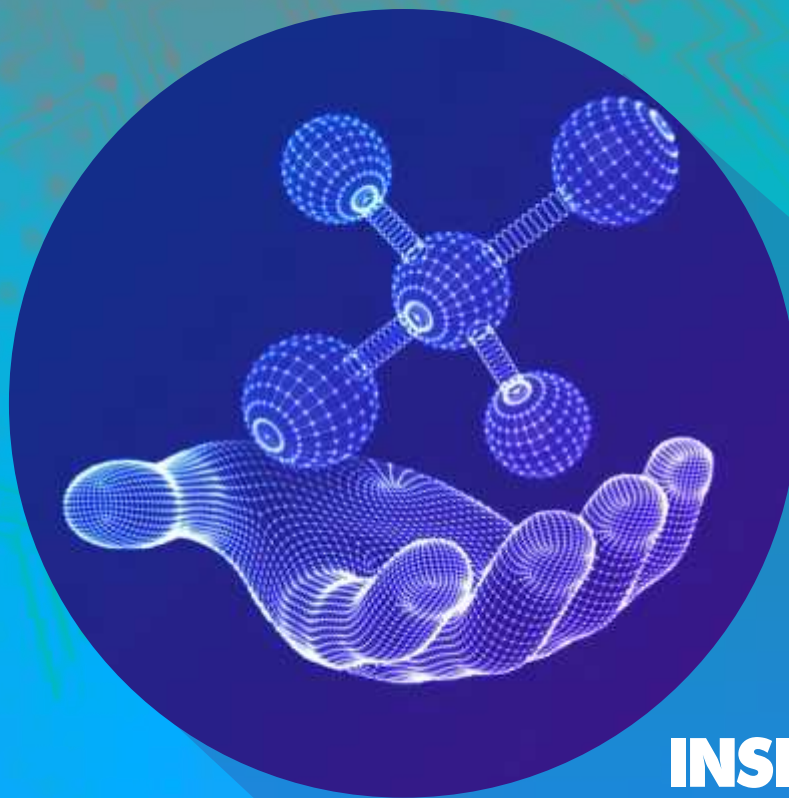**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

SHARDA UNIVERSITY
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NEWSLETTER

ISSUE: MAY 2022

VISION ▶

To be recognized as the fountainhead of excellence in technical knowledge and research in computer science and engineering to ttract 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.

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DEPARTMENT EVENTS

Department of Computer science & Engineering, SET has organized a One week Hands-on Workshop on Internet of Things: Implementation using Arduino Uno. In this hands on workshop various topics were covered like Introduction to Arduino UNO, Blinking LED, Traffic Light Simulation, Gas Sensor Implementation, Flame Sensor implementation, working with push button, Humidity and Temperature Sensor, Working with relay, and Working with servo motor. The objective was to make an awareness of the Arduino platform and ands on Arduino. The workshop has the aim to provide knowledge and experience on the aspects of Arduino for beginners.

Department of Computer Science Engineering and Department of Mechanical Engineering, Sharda University, Greater Noida organized a Webinar on "Entrepreneurship – idea to startup and funding & on 17 th July 2021. The Objectives of the Event was to train and develop the Entrepreneurship Skills of the students so that they can become the future Entrepreneur and act as Resource Persons in guiding, recruitingand motivating their future generation.

Department of Computer science & Engineering, SET organised a "One week Hands On Workshop on Internet of Things: Implementation using Arduino Uno" from 12th- 17th July 2021.In this hands on workshop th topic were Traffic Light Simulation, Gas Sensor Implementation ,Flame Sensor Implementation, Working with relay, Displaying output on LCD Display, Node MCU.

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Department of Computer Science and Engineering, SET and Department of Art and Design, SAP organized an FDP on e-Content Production for Lecture Capturing using Available Resources from 21st June 2021 to 25th June, 2021.The Objectives of Event were to develop creative videos for students, to learn new approaches to teaching, to deliver a lecture using different methodology.

Department of Computer Science & Engineering, School of Engineering and Technology (SET) organized a Workshop on Improving Qualities of Technical Skill and Soft Skill for Non Teaching Staff from 15th July 2021 to 21st July 2021.The objectives of Event were to learn new working methodologies, to efficiently work using various computer applications(Microsoft Office, Google Apps, etc) and to implement a new digital culture in our organization.

Department of Computer Science and Engineering, Sharda University organized a one week International Faculty Development Programme /Short Term Course on "Recent Trends in Cyber Security" from June, 26th to July 1st , 2021 in online mode. Some of the topics covered during this programme were: Cyber Threat Landscape, Quantum Computing and Quantum Cryptography, Awareness on Cyber & Privacy Laws, Cyber Forensics and Recovery, Tools and Technologies for Digital Forensics, Some recent issues in cryptography, Challenges and issues in IoT security, Hacking Android Apps for Fun and Profit.

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RESEARCH AND DEVELOPMENT

Title of paper	Name of the Author/S	Name of Journal	Year of Publications
Performance comparison of Bat search and Cuckoo search using software artefact infrastructure repository and regression testing	Arun Prakash Agrawal, Arvinder Kaur	International Journal of Advanced Intelligence Paradigms	2021
MAAC-Medicare at a click a medical Chatbot using machine learning Algorithm	Rani Astya, Puja Kumari, Apoorva Goswami, Abinash Senapati	International Research Journal of Modernization in Engg. Technology & Science	2021
Improving Scalability, Sparsity and Cold Start user Issues in Collaborative Tagging with Incremental Clustering and Trust	Latha Banda, Karan Singh	Recent Advances in Computer Science and Communications	2021
CGP: Cluster-based gossip protocol for dynamic resource environment in cloud	Srivastava, S., Saxena, S., Buyya, R., Kumar, M., Shankar, A., & Bhushan, B.	Simulation Modelling Practice and Theory	2021
A Systematic Review & Catalog of Security Metric During the Secure Software Development Life Cycle	Sampada G.C., Tende Ivo Sake and Amrita	Recent Advances in Electrical & Electronic Engineering	2021
Voting-Ensemble Classification for Email Spam Detection	Naina Nisar, Nitin Rakesh and Megha Chhabra	International Conference on Communication Information and Computing Technology	2021
Review on Email Spam Filtering Techniques	Naina Nisar, Nitin Rakesh	International Journal of Performability Engg.	2021

STUDENTS ACHIEVEMENT

Higher Studies			
Rishabh Sharma	B.Tech. (CSE)	Queen Marry University London, University of Liverpool UK	MS
Pulkit Tyagi	B.Tech. (CSE)	Sapienza University of Rome	MS
Abhishek Sharma	B.Tech.	Coventry University	MS
Sudhanshu parihar	B.Tech.	University of Windsor	Master of Applied Computing
Gursimran Singh	B.Tech.	Coventry University UK	Master Cyber Security
Ashreeya Pant	B.Tech.	University of Exeter	M.Sc. Advanced Computer Science

CHIEF EDITORIAL

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Mr. Shraiyash Pandey, (2nd Year, CSE)
Mr. Kumar Kanishk Pandey (3rd Year, CSE)