

## **CSE Department Activities in the Month of May, 1 to May 31, 2022**

### **Journal Publications:**

1. Samayveer Singh, Aridaman Singh Nandan, Geeta Sikka, Aruna Malik, and Pradeep Kumar Singh, "Genetic Algorithm based Data Controlling Method Using IoT enabled WSN in Power Grid," *Soft Computing*, Springer 2022. (Accepted)
2. Samayveer Singh, Aridaman Singh Nandan, Geeta Sikka, Aruna Malik, and Ankit Vidyarthi, "A Secure Energy -Efficient Routing Protocol for Disease Data Transmission Using IoMT," *Computers and Electrical Engineering*, Elsevier 2022. (Accepted)
3. Aditya Gupta and Amritpal Singh "An Intelligent Healthcare Cyber Physical Framework for Encephalitis Diagnosis based on Information Fusion and Soft-Computing Techniques", *New Generation Computing*, Springer, 2022. (Accepted).
4. Vikramjit Singh, K P Sharma, Harsh K Verma, "ABNT: Adaptive Beaconing and Neighbor Timeout for Geographical Routing in UAV Networks," *Peer-to-Peer Networking and Applications*, Springer, 2022. (Accepted)

### **Keynote Speaker:**

1. Dr Geeta Sikka was a keynote speaker at 5th International Conference on Current Trends in Engineering, Science and Management at CT Group of Institutions on 20 May, 2022.

### **PhD Defence:**

1. Mr. Pushpendra Rajput, Research Scholar of Dr Geeta Sikka has defended his final Ph.D. Viva Voce Examination on "Design and Analysis of an efficient Self healing Approach for Software Systems using MultiAgent Architecture" on 28 April 2022.
2. Mr. Utsav Upadhyay, Research Scholar of Dr Geeta Sikka has defended his final Ph.D. Viva Voce Examination on "Design of efficient job scheduler for map reduce in heterogeneous environments" on 31 May,2022.

### **Expert Talks**

1. Dr Samayveer Singh has delivered an expert talk in the Faculty Development Programme: Emerging trends in Data Analytics, Machine Learning, Cloud Computing and Internet of Things on title "Energy Efficient Operations in IoT enabled Wireless Sensor Networks" at Amity University Uttar Pradesh, Noida Campus from 23<sup>rd</sup> May 2022 - 27<sup>th</sup> May 2022.
2. Dr Aruna Malik has delivered an expert talk in the Faculty Development Programme: Emerging trends in Data Analytics, Machine Learning, Cloud Computing and Internet of Things on title "Secure Communication" at Amity University Uttar Pradesh, Noida Campus from 23<sup>rd</sup> May 2022 - 27<sup>th</sup> May 2022.

**Copyrights Filed:**

1. Aniket and Urvashi Bansal have filed a copyright on "Modified SIMON: Lightweight Cryptography Algorithm for Healthcare IoT Devices".

**Project Submitted:**

1. Dr Lalatendu Behera and Dr Kunwar Pal have submitted a project on “Pharmaceutical Counterfeit Regulatory Framework (PCRF): A Supply-Chain Management Solution for Healthcare using Blockchain Technology” in the Scientific and Useful Profound Research Advancement Grant, SERB, Department of Science and Technology.

**Seminar Organised:**

1. One Day Seminar was conducted to celebrate “National Technology Day” on 11th May 2022 in Kala Bahian village, Dt. Jalandhar. The convener of the seminar was Prof. A. L Sangal and the coordinators were Dr. Jagdeep Kaur, Asst Prof., and Mr. Hardeep Singh, Field Assistant. This event was sponsored by the Punjab State Council of Science and Technology, Chandigarh, and the Department of Science & Technology, Govt. of India.

**Webinar/Workshop/Training attended:**

1. Dr Kunwar Pal has attended a webinar on "Intellectual Property Rights: Patents, Design and Copyrights" conducted by NIT Jalandhar.
2. Dr. Jagdeep Kaur has participated in a One-day Workshop on “Data Analytics” held on May 20, 2022, organized by the University School of Management and Entrepreneurship (USME), East Delhi Campus, Delhi Technological University, Delhi.
3. Dr. Jagdeep Kaur has attended training on the use of Samsung Smart Boards conducted by Computer Centre, Dr. B R Ambedkar National Institute of Technology, Jalandhar on May 25, 2022.