डा. बी आर अम्बेदकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालंधर
Dr. B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR
जी टी रोड़ बाई पास, जालंधर–१४४०११, पंजाब (भारत)
G T Road ByPass, Jalandhar-144011, Punjab (India)
(Under Ministry of Education (Shiksha Mantralaya), Government of India, New Delhi)

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

Monthly Departmental Activities (March 2023)

Journal Publications

- Urvashi, G. Sikka, L. K. Awasthi & B. Bhargava (2023). "Quantitative evaluation of extensive vulnerability set using cost benefit analysis," *IEEE Transactions on Dependable and Secure Computing*, doi: 10.1109/TDSC.2023.3253121.
- Chaurasia N, Kumar M, Vidyarthi A, Pal. K, Alkhayyat. A (2023). "An efficient and optimized Markov chain-based prediction for server consolidation in cloud environment" *Computers and Electrical Engineering* 108 (2023) 108707
- Somesula, M. K., Mothu, S. K., & Annadanam, S. C. (2023). "Cooperative Service Placement and Request Routing in Mobile Edge Networks for Latency-Sensitive Applications". *IEEE Systems Journal.*(Accepted)
- Brahma, B., & Wadhvani, R. (2023). "A residual ensemble learning approach for solar irradiance forecasting" *Multimedia Tools and Applications*, 1-23 (Accepted)

Book Chapter

- Sariva Sharma, Rajneesh Rani "A Comprehensive Review on State-of-the-Art Techniques of Image Inpainting" in Advancement of Deep Learning and its Applications in Object Detection and Recognition Pages 231-259 River Publishers

Events Organized

- Dr. Kunwar Pal and Dr. Lalatendu Behera organized an Exhibition and Mentorship program for Inter-Institutional Innovation Competition (HackMOL 4.0) from 17th to 19th March 2023.
- Dr. Samayveer Singh organized an Expert Talk on "Charting an unconventional path as a Woman" to celebrate International Women's Day on March 13, 2023.

Outreach Activities

- Dr. Rajneesh Rani attended the Board of Studies meeting for finalizing the syllabi of B.Tech. and Dual Degree Programmes in Computer Science and Engineering Department, NIT Hamirpur on March 3, 2023.

- Dr. Jagdeep Kaur was the Session Chair on 3rd March 2023 Time 09:30 AM - 11:00 AM (online mode) for the 3rd International Conference on Information Technology- InCITe 2023 Next Generation Technology Summit on the theme "Decision Intelligence: Transform your World" from 2nd & 3rd March 2023 at Amity University Uttar Pradesh.

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- Dr. KP Sharma Served as an external examiner for the final dissertation viva-voce examination of M.Tech (CSE) Student of the department of CSE, GB Pant Agriculture, and Technological University Uttrakhand on 28/03/2023.

- Dr. Shefali Arora delivered an expert lecture at CT Institute of Engineering, Management and Technology on 7th March 2023, on "Explainable AI and its Applications".

Patent Filed

- Dr. Samayveer Singh, Dr Aruna Malik and Dr Rajeev Kumar filed a patent with application number 202311024707 and titled "System and Method for Personalized Guidance for Image Capturing", March 2023.

- Dr Aruna Malik filed a patent with application number 202311024642 and titled "A System and Method for Intelligently Charging Built-In Wireless Earphones", March 2023.

STC Attended

- Dr. Rajneesh Rani attended five days short-term course on "Hands on Training VLSI and Communication Modelling" from March 06-10, 2023, organized by the Department of Electronics and Communication Engineering, NIT Jalandhar.

Student's Achievements

- Shreya Das – 20103134 – Course completed an online course on "Accelerated Computer Science Fundamentals" from Coursera.
- Sarkar Saima Islam (21103134)- was a finalist of the National level championship, Nutrileaders Hunt (aired in National TV channel) and selected to make a short film by the Bangladesh Government in the program held at Bangabandhu International Conference Center, Begum Rokeya Avenue, Dhaka 1207, Bangladesh.

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