

The Report of Research Symposium: DAMLAI - 2024

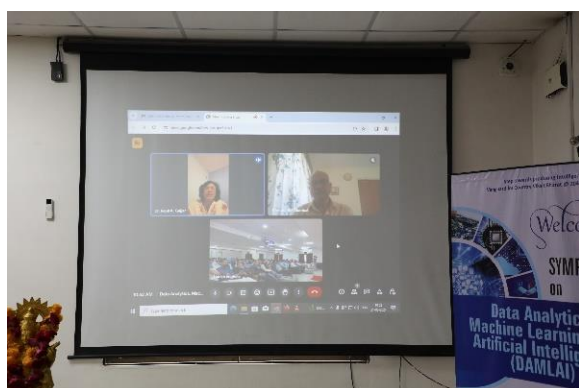
Program Chair by
Prof G. D. Makwana
Prof. P. S. Mann
Prof. Parth Raval

The Research Symposium on "**Data Analytics, Machine Learning, and Artificial Intelligence (DAMLAI) 2024**," jointly hosted by Gujarat Technological University, Ahmedabad, and the esteemed Indian Statistical Institute (ISI), Kolkata, from March 21-23, 2024. The symposium is jointly coordinated by GTU-GSET and R & D Cell, GTU.

The objectives of this symposium are manifold: to facilitate the sharing and enrichment of knowledge among all participants, to provide a platform for individuals eager to delve into the latest technological advancements, enabling them to disseminate their ideas, and to foster dialogue that bridges researchers and professionals alike.



Inauguration Function: DAMLAI-2024



Prof. Sanghamitra Bandyopadhyaya, Director, ISI, Kolkata, and Dr. Rajul K. Gajjar, Vice Chancellor, GTU, Dr. Majoj K. Tiwari, Director, IIM, Mumbai, addressed to the participants of DAMLAI-2024

In the DAMLAI-, many Ph.D. scholars of the GTU submitted their extended abstracts, showcasing their research in the realms of AI, ML, and Data Analytics, The shortlisted extended abstracts are presented and published in the Symposium's Book with ISBN: 978-93-89934-99-1. Renowned experts from ISI, IIMs are invited for expert talks on the themes of the symposium.

On the inauguration function on 21st March, 2024, Dr. Sanghamitra Bandyopadhyay, Director, ISI, Kolkata was remain presence as chief guest and Dr. Majoj K. Tiwari, Director, IIM, Mumbai was remain presence as guest of the honour. Prof. (Dr.) Rajul K. Gajjar, Hon'ble Vice Chancellor, GTU was joined virtually in the Inauguration function. Prof. Ashis Kumar Chakraborty, Former Head, SQC & OR Division, ISI, Kolkata, was presence in the function. Prof. Pankajrai Patel, Hon'ble Vice Chancellor (I/c), GTU. Dr. K. N. Kher, Registrar, GTU, Prof. S. D. Panchal, Director, GSET, and Dr. R. A. Thakker, Director, RDC, GTU were also presence in the inauguration function.

During the symposium, various renowned experts namely, Dr. Utpal Garain, Professor, Dr. Debapriyo Majumdar, Assistant Professor from the Computer Vision and Pattern Recognition Unit, Computer and Communication Science Division, ISI, Kolkata, and Prof. Arnab Kumar Laha, Associate Professor, Operations and Decision Science, IIM Ahmedabad, Prof. Ujjwal Maulik, Head, CED, Jadavpur University, Dr. Abhiji Barman, IIM, Raipur, Dr. V. Jayanthi, Group Director, VSSC, ISRO, Bengaluru, Sh. Niloy Majmudar, Zydus Group, are delivered their talk on various topics related data analytics, machine learning, and artificial intelligence. They have discussed various topics such as blood glucose estimation, meditation's impact on human cognition, underwater wireless sensor networks, analog circuit automation, image steganography, student employability enhancement, crowdfunding for social causes, flood risk assessment, lung cancer prediction, cloud computing security, wireless networked control systems, supply chain optimization, quality management, manufacturing efficiency, healthcare innovation, and transportation enhancement.

During the valedictory function, Prof. V. S. Purani, Principal, VGCE, Ahmedabad, Prof. N. N. Bhuptani, Principal, L. D. C. E., Ahmedabd, Prof. Ashis Kumar Chakraborty, Prof. Utpal Garain are invited. Two papers are awarded with "Best Paper Award" (1) A coverless image steganography based on Huffman Encoding and robust image wavelet hashing, (2) Impact of Energy Hole problem in Underwater Wireless Sensor Networks and Machine Learning-Driven Mitigation Strategies.