UPES Hosts International Conference on Machine Learning and Data Engineering

Dehradun, November 28, 2024: UPES, a multi-disciplinary university, inaugurated the third edition of the International Conference on Machine Learning and Data Engineering (ICMLDE 3.0), at Bidholi campus. The two-day conference, being held on November 28 and 29, 2024, has been organised by the UPES School of Computer Science (SoCS) in collaboration with Elsevier, the University of Dayton (USA), and Providence University. The 2024 edition continues the tradition of academic distinction established by previous iterations of ICMLDE, which have seen participation from over 3,800 contributors across 47 countries. This year's event, sponsored by the Ministry of Electronics and Information Technology (MeitY) and IBM, is structured around four key tracks: Machine Learning Foundation, Deep Learning and Data Engineering, Machine Learning and Data Engineering, and Applications.

ICMLDE 3.0 promises to drive meaningful conversations and collaborations on global challenges and emerging opportunities in AI and data engineering. The conference features over 400 research papers from diverse areas of Machine Learning and Data Engineering, with accepted papers to be published in the *Procedia Computer Science Journal* by Elsevier. Special emphasis is placed on nurturing young researchers through expert speeches and technical sessions.

On the inaugural day of the conference, **Dr. Sanjay Bahl**, Director General, CERT-In, MeitY attended the event as the Chief Guest, while **Dr. Ajay Kumar**, Director, IRDE DRDO graced the occasion as the Guest of Honour. On day one, the conference, which lists a stellar lineup of keynote speakers and workshops, kicked off with a welcome address by **Dr. Ram Sharma**, Vice Chancellor, UPES, followed by keynote sessions from renowned experts such as **Dr. Vijayan K. Asari** (University of Dayton) who shared insights on computational intelligence, and **Dr. Amit Sachan** (Jio) who discussed transformative AI applications.

On day two, **Professor Peter Han Joo Chong** (Auckland University of Technology) will address fuzzy logic applications in 5G networks, while **Dr. Bernard Fong** (Providence University) shall explore predictive analytics for automotive inventory management. Additional keynotes include **Prof. Robertas Damaševičius** (Kaunas University of Technology) on sustainable software engineering and **Dr. Tanmoy Chakraborty** (IIT Delhi) on combating harmful online content. Additionally, the event will feature workshops led by experts such as **Dr. G. G. Md. Nawaz** (Bradley University, USA), **Dr. Arun Kumar** (NIT Rourkela), and **L. Venkata Subramaniam** (IBM Quantum Lead), exploring cutting-edge topics like AI-driven autonomous driving and the convergence of AI and quantum computing. **Siddharth Golecha**, a Quantum Support Engineer at IBM, focuses on developing AI solutions for quantum computing, including projects like the Qiskit Code Assistant.

Dr. Vijaysekhar Chellaboina, Dean, School of Computer Science, UPES highlighted the event's significance, stating, *"ICMLDE 3.0 exemplifies our commitment to creating a global dialogue in the fields of Machine Learning and Data Engineering. By bringing together researchers, academicians, and industry leaders from across the world, this conference not only advances cutting-edge innovation, but also nurtures collaboration and knowledge sharing. At UPES, we aim to create a vibrant ecosystem where ideas transform into impactful solutions, shaping the future of technology and society."*

ICMLDE 3.0 will not only facilitate the exchange of knowledge, but also inspire actionable insights and breakthroughs in machine learning and data engineering. ICMLDE 3.0 continues to establish UPES as a hub of research excellence and highlights UPES's vision of welcoming participation from researchers, academicians, and professionals across the globe.

About UPES:

Established through the UPES Act, 2003, of the State Legislature of Uttarakhand, UPES is a top-ranked, UGC-recognised, private university. As per the National Institutional Ranking Framework (NIRF) 2024, the Ministry of Education, Government of India, UPES has been ranked 46 among universities, with a rank of 28 in Law, 41 in Management, and a rank of 42 in Engineering. In addition to this, the university has been ranked the No. 1 private university in academic reputation in India by the QS World University Rankings 2025. It is among the top 2% of universities in the world. UPES has also been accredited by NAAC with a grade 'A' and has received 5 stars on Employability (placements) by globally acclaimed QS Rating. The university has had 100% placements over the last five years. Forty-six (46) faculty members of UPES are among the world's top 2% researchers as per Stanford University list.

UPES offers graduate and postgraduate programs through its seven schools: School of Advanced Engineering, School of Computer Science, School of Design, School of Law, School of Business, School of Health Sciences & Technology, and School of Liberal Studies and Media with 16,000+ students and 1,500+ faculty and staff members.