



7th International Conference on Inventive Computation Technologies (ICICT 2024)

Tribhuvan University, Nepal | 24-26 April 2024

About the Conference

Information and Communication Technologies [ICICT 2024] and smart real-world applications like smart cities, automated business, entertainment, transportation, and healthcare has become imperative. To satisfy this increasing need the International Conference on Inventive Computation Technologies [ICICT 2024] paves way to foster the research innovations in the emerging computing technologies like neural networks, Fuzzy Systems, Genetic algorithms, Artificial Intelligence [AI] and other such hybrid computing models for addressing various uncertainties and complexities in almost all the real-time applications. In particular, ICICT 2024 focuses on sustaining innovative computing-based solutions by efficiently using emerging machine learning, deep learning, cloud computing, fog/edge computing, natural language processing, artificial neural networks, semantic analysis and collaborative intelligence model.

About the College

Nepal being the landlocked country in the northern hemisphere and sandwiched between two Asian giants: China and India, has the glory of having world's highest mountain- Sagarmatha (Everest) and being the birth place of Lord Buddha- Light of Asia. The beauty of the country is extreme diversity within close proximity of topography, ecology, flora and fauna. Owing to the topography and people, Nepal has rich cultural heritage. Visualizing the economy, Nepal is in the process of transformation. The concern now is the development of the country and prosperity of the people. Prosperity is not only the material well-being; it is building capacity of the people with rights and responsibility. Institute of Engineering (IOE) visioned to be instrumental to achieve this national goal of prosperity of the country and the people. This can be done by producing capable and competitive engineering graduates.

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ARTIFICIAL INTELLIGENCE MODELS & APPLICATIONS:

Expert Systems, Artificial Neural Networks, Machine Learning, and Deep Learning Approaches, Support Vector Machines, Natural Language Processing, Semantic Web Intelligence & Models, Fuzzy Systems, Genetic Algorithms, Smart User Interfaces and Visualization techniques, Robotics and Automation, Distributed Intelligent Systems, Patterns and Frameworks.

INTELLIGENT SYSTEMS

Intelligent Interfaces and Hybrid Systems, Embedded Systems, RF and Microwave Systems, Decision Support Systems, Big data models, Supervised and unsupervised Learning Models, Data Analytics and Visualization Models, Optimization Models, Emerging Nano scale devices, Scalable, reliable and robust architectures, Recommender Systems, and Cyber-Physical Systems.

APPLICATIONS:

Healthcare, Social networks, Wearable technologies, Industries, Business Intelligence, Multimedia Applications, Digital library, E-commerce and E-Governance, Gaming Applications, Other use cases, and Applications.

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