

# ICIOTCT 2022

## Session -01

### **Theory and Application of Machine Learning, Deep learning and Data Science in Internet of Things**

Machine learning, Deep learning, Data Science and IoT are the most trending topics. Machine learning, Deep learning and Data Science have huge impact on IoT. They are adopted by the top organizations for their IoT platforms, including Microsoft Azure, Google Cloud IoT edge, and Amazon AWS IoT. Together, they are useful in agriculture, health care, manufacturing industry and etc. However, Machine learning, Deep learning, Data Science are the application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Machine learning focuses on the development of computer programs that can access data and use it to learn for themselves. Internet of Things (IoT) is an ecosystem of connected physical objects that are accessible through the internet. The 'thing' in IoT could be explained as the objects that have been assigned an IP address and have the ability to collect and transfer data over a network without manual assistance or intervention. There are Benefits of Machine Learning and IoT such as Reduction of Waste, Brings Visibility To Supply Chain and Secure & Safe.

This session aims to bring together Researchers, Academicians, Industry persons to share their proficiency and original research outcomes on theoretical development as well in Application.

The topics of interest for submission include but are not limited

- Theoretical analysis and application of mathematical tools in ML, DL and DS
- Theoretical analysis and development of mathematical models for lot resource optimization
- Theory and application of DS, IoT and ML/DL insmart agriculture and food processing
- Theory and application of DS, IoT and ML/DL in healthcare
- Theory and application of DS, IoT and ML/DL inmodern home appliances
- Theory and application of lot and ML/DL in machine translation
- Theory and application of DS, IoT and ML/DL in natural language processing
- Theory and application of DS, IoT and ML/DL in Privacy and security enforcement.

- Theory and application of IoT and ML/DL in environment sustainability using IoT.
- Theory and application of DS, IoT and ML/DL in Education



**Dr. M. Nazma B. J. Naskar**  
**Assistant Professor II,**  
**School of Computer Engineering**  
**Kalinga Institute of Industrial**  
**Technology**  
**Bhubaneswar, Odisha, India**  
**Mobile: 8240841372**  
**Email: naskar.preeti@gmail.com**



**Dr. Debajyoty Banik**  
**Assistant Professor II,**  
**School of Computer Engineering**  
**Kalinga Institute of Industrial**  
**Technology**  
**Bhubaneswar, Odisha, India**  
**Mobile: 9339086041**  
**Email: debajyoty.banik@gmail.com**