

**International Conference on  
Computational Intelligence and Data Science  
(ICCIDS 2019)**

**6<sup>th</sup>-07<sup>th</sup> September 2019**

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**PUBLICATION:** All the accepted papers will be published in Procedia Computer Science Journal, Elsevier.

**ICCIDS2019:**

The International Conference on Computational Intelligence and Data Science (ICCIDS2019) provides an International forum for presentation of original research findings, as well as exchange and dissemination of innovative, practical development experiences in different fields of engineering. The conference draws researchers and application developers from a wide range of data mining and computational Intelligence related areas along with their algorithms and applications of current issues of almost all branches of Engineering and Technology.

Awareness of Data Science and its application is becoming popular among the general population. Parallel offers of hope add woes to the researchers of Data Science due to the potential limitations experienced in the real-time. This conference aimed to expand its coverage in the areas of Computational Intelligence and Data Science, where expert talks, young researchers presentations will be placed in every session of the meeting will be inspired and keep up your enthusiasm.

**VENUE:** The NorthCap University, Gurugram, India

**JOURNAL INDEXING:** SCOPUS

**PUBLICATION POLICIES:**

Kindly visit the conference website (<http://iccids2019.ncuindia.edu/Paper-Submission>) for details.

**Session Title: Emerging Technologies on Machine Learning and Optimized Techniques**

**Name(s), designation, and affiliation, email and contact no. of session chair(s)/ session Co chair(s) and session-committee members:**

Rajkumar R has received his Master of Engineering degree in Computer Science and Engineering from the Vellore Institute of Technology, Vellore, India. He has received his Doctor of Philosophy degree in Computer Science and Engineering from the VIT University, Vellore, India. He is presently working as an Associate Professor in School of Computer Science and Engineering, VIT University, India. His areas of interest include Internet of Things (IOT), Machine Learning, Secure Mobile Cloud for Sharing Patients Healthcare Information and Medical Reports, Cloud patients Information Retrieval, Automatic Discharge Summary Reports, Mobile Learning and Big Data. He is a member of programme committee and technical committee of ACM and IEEE international

conferences.

**AIM:** We aim to provide a leading opportunity to researchers, academicians, and professionals from different background areas to exchange the latest research ideas and research and development on *emerging technologies on machine learning and optimized techniques*.

**SCOPE:** There are huge amounts of data generated and it contains various types of data. This huge data has evolved as a most challenging field of study and research area. It has drawn much attention during the last few years and influences our modern society business, government, healthcare and research in almost every discipline. Existing approaches to data analysis mainly rely on traditional data mining techniques in which machine learning is explicitly expressed. Machine learning and optimization techniques are delivering a promising solution to the industry for data analysis systems and to make innovation at a rapid pace. This special session is integrating machine learning methods and advanced optimization opportunities to bring efficient data analysis services. Further, machine learning approaches had addressed various challenges of data science such as anomaly detection, multivariate analysis, streaming and visualization of data.

**Topics of Interest:** The topics of interest include but are not limited to:

- ❖ Probabilistic and statistical model and theory
- ❖ Learning theory
- ❖ Optimization methods
- ❖ Data compression and sampling
- ❖ Statistical learning
- ❖ Machine learning
- ❖ Evolutionary computation
- ❖ Deep Learning
- ❖ Modelling and simulation of mobile cloud computing application
- ❖ Cloudlet discovery in mobile cloud computing
- ❖ Learning Classifiers
- ❖ Parallel and distributed learning
- ❖ Scientific data and big data analysis
- ❖ Artificial intelligence
- ❖ Scalable analysis and learning
- ❖ Data pre-processing, sampling and reduction
- ❖ High directional data, future selection and future transformation
- ❖ High performance computing for data analytics
- ❖ Architecture, management and process for data science