**Special Issue on: Mobile Big Data: Recent Advances and Challenges**

**Journal:** International Journal of Advanced Research in Big Data Management System

# Aim and Scope

The invention of mobile device and its tremendous evolution changes the current world activities in such a way that communication among people, various business, education, agriculture, social, scientific and business activities, etc. Recent advancements in mobile technology contribute to various domains of big data generation and which results in efficient storage management and analysis of that data. Various sensors and health care wearable devices related to mobile are also producing the big data. The modern world has become practiced to use of the Internet of Things (IoT) through mobile devices. The majority of business fields are converted to include of internet with mobile devices for their business growth. As well as the abundant usage of Internet on mobile devices creates a large amount of data communication which causes network traffic in the Internet. The huge collection mobile big data require effective storage and processing facility for the data. In that situation Mobile Cloud Computing (MCC) will be the best solution. The mobile big data are produced in the form of fast face, which motivates the researchers to do the innovative invention of the distributed big data storage and processing technologies.

The latest direction of mobile networking connects the various kinds of human and social devices and its application services which induce to incorporation of modern data management methodologies and network architectures to give effective solutions for those techniques. The fifth generation (5G) wireless communication technologies adopts the huge use of mobile user applications. For this advanced cloud computing concepts are needed to fulfill the related requirement and which brings to the researchers with more attention to investigate novice technologies and architectures in that field.

**The Overall Objective of the Special Issue journal**

This Special Issue journal’s aim and objective is to bring the researcher’s attention to do numerous state-of-the-art future direction research activities, ideology, specification and strategies in the field of mobile big data and related emerging technological advancements. Also, this Special Issue targets mobile big data to cloud processing and real time data processing on the go. The required security provision for the data communication on the network medium and low latency with high speed data transmission from source to target also a major aim and objectives of the Special Issue journal. This Special Issue journal also focuses to a diverse field of research articles from the researchers related to mobile big data oriented issues, challenges and opportunities.

# Topics

Core topics of your special issue.

Mobile Big Data and Internet of Things (IoT) progresses and challenges

 Investigation of the distinct approaches for Mobile Big Data storage and supports

 Ubiquitous Computing and Computational methodologies for Mobile Big Data and IoT

 Mobile Big Data models, novel network framework and advances in 5G mobile networks

 Security and confidential constraints for Mobile Big Data in 5G mobile networks

 Big Data analytics in 5G mobile networks

 Machine-to-Machine (M2M) Big Data processing and controlling networking at the edge

 Data governance and analytics: business skill from sensor data, social networks analysis in 5G mobile networks

 Mobile Big Data concepts and mobile cloud layouts

 Mobile Big Data framework and structure

 Mobile Big Data administration

 Mobile Big Data mining

 Mobile Big Data and crowdsourcing

 Mobile Big Data applications and assistance

 Mobile Big Data specifications

 Energy-aware challenges for Mobile Big Data

 Big Data and mobile cloud Resource Management

 Mobile Big Data for multimedia communications and game computing

 Mobile big data analysis with machine learning

 Mobile Big Data storage challenges

# Guest Editors

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| --- | --- |
| Role |  |
| Chief Guest Editor | Joy Lal Sarkar | Affiliation | Research Fellow, Tripura University, Tripura, India |
| E-mail | joylalsarkar@gmail.com |
| Guest Editor | Ramasamy V | Affiliation | Asst. Professor, Park college of Engineering, Chennai, India |
| E-mail | researchrams@gmail.com |
| Guest Editor | Dr. Abhishek Majumder | Affiliation | Asst. Professor, Tripura University, Tripura, India |
| E-mail | abhi2012@gmail.com |
| Guest Editor | Dr. Chhabi Rani Panigrahi | Affiliation | Asst. Professor, Rama Devi Women’s University, Bhubaneswar, India |
| E-mail | panigrahichhabi@gmail.com |

**Expected Dates Schedule (Important Dates)** Submission Deadline: 30th January 2020 Notification of Acceptance: 30th March 2020

Final Version Due: 30th April 2020

Special Issue Publishing Date (you want): 30th June 2020