



# St. Joseph's Institute of Technology

## 5<sup>th</sup> International Conference on Recent Trends in Big Data and IoT

One Day Pre-Conference Seminar on Social Impacts of Big data and IOT

April 7, 8 & 9<sup>th</sup> 2020



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### About the St. Joseph's

St. Joseph's Institute of Technology, a division of the prestigious St. Joseph's Group of Institutions was started in the year 2011, with the intent of spreading the seeds of knowledge and curiosity wide and far. It is a Christian Minority Institution, where all religious beliefs and traditions are celebrated. Six streams are offered to choose from, namely CSE, EEE, ECE, IT, MECH, CIVIL. St. Joseph's boasts of a massive campus spread across an area of 4 lakh square ft. home to the best architecture and infrastructure with well-equipped laboratories, workshops, classrooms, an auditorium, mess halls, as well as an administrative block spread out over an area of 10 lakh square ft. St. Joseph's is recognized as one of the leading engineering colleges, and for good reason. The focus is laid on inculcating not just knowledge but also good ethics within the budding engineers of the future.

### About the Conference

The primary goal of the conference is to promote research and developmental activities in the recent trends in Big Data and IoT for Engineering and Medical Applications. These technologies are responsible for the drastic incline in the number of efficient applications that are being developed. Data mining reduces the time and man power required to process unfiltered process of higher priorities. Further simplification is possible by exploiting the methodologies of IoT. Prediction, identification, recognition, establishment are some of a few areas where engineering applications of Big Data and IoT come in handy. With ongoing research covering new ground every day, the scope for fresh, optimized solutions is at an all time high, and these technologies are right in the middle of it. This conference aims to shed light on the recent advances made in these revolutionary concepts and to introduce creative solutions to the industry. It also helps to unite great minds who believe in the need for a technologically literate society.

### About the Seminar

Every application developed using Big Data and IoT has better performance and is more efficient than its traditionally developed counterpart. Such drastic changes are bound to have an impact on the society in which these applications are deployed. This seminar aims to discuss those impacts and bring awareness to any issues that might exist. Using these technologies, quality of service offered is improved without compromising on quantity. In the field of healthcare, such an impact is immensely beneficial since the industry thrives on providing optimal care for everyone. By adopting intelligent processing strategies, morale of workers is improved making for a more sustainable workplace environment. As with any implementation of major change, there are positive as well as negative impacts to be considered. This seminar aims to provide a venue for introspection and to evaluate the cost that comes with using Big Data and IoT in society with following topics :

- Significance of Machine Learning and Deep Learning Techniques in Healthcare
- Machine Learning and Deep Learning Techniques in Industrial Applications

### Publication:



Accepted papers that are presented at the conference will be included in the Springer Proceedings (approval pending).

All Accepted and Extended papers will be published in Scopus/ Sci Indexed journal

WEB OF SCIENCE™ Scopus® Science Citation Index Expanded



### In Association with:



### Topics:

**Recent Trends in Internet of Things**  
Big Data Convergence  
Data Processing with Edge Computing  
Greater Consumer Adoption  
Applications in healthcare industry  
Emergency Notification Modules  
Blockchain for IoT Security

**IoT Applications in Bioinformatics**  
Simulation and Modeling  
Immuno- and Chemo-Informatics  
Structural Bioinformatics  
Genomics and Proteomics  
Computational Intelligence  
Model Design and Evaluation  
Transcriptomics

**IoT for Smart City Applications**  
Intelligent Mapping of  
Industrial Zones/Frameworks,  
platforms Crime watching and  
alerting systems IoT based  
Traffic Engineering/Frameworks,  
platforms

### Speakers:



Dr. Biren Prasad  
Editor-in-Chief, Concurrent Engineering,  
SAGE Publication



Dr. Nilanjan Dey,  
Editor-in-Chief: Int. J. of Ambient  
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VP, Research Miners INC & Director,  
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Dr. Amit Grag  
Founder & Chief Scientist  
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and more..

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Category	Indian	Foreign(USD)
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Research Scholar	INR 6500	USD 125
Academia / R&D / Industry	INR 7000	USD 150
Listener	INR 1500	USD 30

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