**DoSCI-2021**

**International Conference/Doctoral Symposium on Computational Intelligence**

##### **Organized by Institute of Engineering & Technology, a constituent college of Dr APJ Abdul Kalam Technical University Lucknow, India**

**On 06 March 2021.**

**SPECIAL SESSION ON**

**Designing Intelligent systems for Agriculture, health care and educational organizations using Data Analytics**

**SESSION ORGANIZERS:**

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**EDITORIAL BOARD: (Optional)**

**[Name, University or Organization, Country, e-mail]**

**SESSION DESCRIPTION:**

There is a phenomenal burst of research activities in agricultural, health care and educational domains, which shows great potential in decision making, optimizing operations, mitigating performance threats and capitalizing on new sources of improvement in a variety of ways by providing trainings and recommendations. Data from agricultural, health care and educational sectors are an important source of huge data. Therefore, these data play a critical role in big data generation, delivery, and processing.

On the other hand, the data from these domains, as an important data mining application, will have profound impacts on the design and improvement of the domains’ outcome and impact. Particularly, data analytics can benefit in advancing agricultural , health care and educational domain’ decision making. Many researchers are working on the related topics. To the best of our knowledge, this is one of the special sessions focusing on the topics of data analytics implications in these three domains and intelligence systems for improving the developments and benefits in agricultural, health care and educational sectors. Therefore, this workshop will attract a significant number of submissions of good quality.

Hence, this session provides a forum for discussions of the up-to-date developments using data analytics in Agricultural field, health care sectors and Educational sectors for bringing together industry and academia, engineers and researchers. The session invites submissions of the unpublished work related to agricultural domain, health care domain and educational domain.

**RECOMMENDED TOPICS:**

Topics to be discussed in this special session include (but are not limited to) the following:

# Analyzing agricultural Data and designing intelligent systems:

# To Help Fight Food Scarcity and Empower Small Farmers

# To Manage Crop Diseases and Pests

# To Investigate Agricultural Niches

# To Cope with Climate Change

# To Make Yield Predictions

# Analyzing health care data and designing intelligent systems:

* + For Patients predictions
  + For Real time alerting for patients and care takers
  + For Enhancing patient engagement
  + For Preventing Opioid Abuse
  + Using Health Data For Informed Strategic Planning
  + For Cancer prevention and diagnostics
  + For Reducing Fraud And Enhance Security
* Analyzing educational data and designing intelligent systems:
  + Relating Educational data research to educational outcome
* Analysis of new pedagogical environments to improve students learning
* Performing Learning analytics
* Best practices in data analytical approaches in educational domain
* Data mining for measuring educational technology and active learning effectiveness

**SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on **Designing Intelligent systems for Agriculture, health care and educational organizations using Data Analytics *on or before 15/Jan/2020***. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE’S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at <http://dosci-conf.com/paper_submission.html>. All submitted papers will be reviewed on a double-blind, peer review basis.

**NOTE:** While submitting paper in this special session, please specify **Designing Intelligent systems for Agriculture, health care and educational organizations using Data Analytics** at the top (above paper title) of the first page of your paper.

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