



**AMITY
UNIVERSITY**

CALL FOR PAPER

Special Session

on

“Role of Disruptive Technologies in Digital Transformation of Health Care System”

in

International Conference

on

Intelligent Engineering and Management

(ICIEM-2022)

27th – 29th April 2022

at

Amity University, 24 Bedford Square, Fitzrovia, London WC 1B 3HN, UK

Technically Co-Sponsored by



United Kingdom and Ireland Section

All accepted & presented papers of the Conference by duly registered authors, will be submitted to [IEEE Xplore](#) Digital Library for Inclusion.

Session Chairs:

Prof. Loveleen Gaur | Prof. Milon Biswas

Important Weblinks:

- To visit Conference Website, [click here](#)
- For Research Paper Submission, [click here](#)
Research Paper/ Article/ Manuscript will be submitted through [EasyChair](#) only.
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Important Dates:

Paper Submission Deadline:	15-March-2022 (Extended)
Notification of Acceptance:	20-March-2022 (Extended)
Camera Ready Paper Submission Deadline:	25-March-2022 (Extended)
Last Date of Registration:	25-March-2022 (Extended)
Conference Date:	27 th – 29 th April 2022

[Amity University](#) is research driven University which offers higher education in diverse field from Engineering, Management, Life Sciences, Applied Science and the like. Amity University provides quality platform for research in field of Academics. The campus is organizing International Conference on Technological Advancements and Innovations on 23rd – 25th February 2022.

This Conference includes many topics which were deeply deliberated, and which brewed new ideas. Thus, giving rise to new avenues for researcher. We aim to take those concepts further to derive fresh hypothesis and arrive at the logical deductions. The participation of scientist from across the globe was very encouraging in our last conferences organized in India. This time we are anticipating even larger congregation from more diverse domains as we are reaching out too many eminent philosophers, thinkers and academicians from scientist fraternity.

About this Session:

Digital innovation is a powerful force of transformation that has been introduced across numerous industries. Some businesses have progressed more quickly than others, whereas the health care industry has only recently come into focus. Health care industry is confronted with numerous obstacles, including rising demand for high-quality services, security concerns, and so on. A scenario in which digital businesses enter health care, payers aim to contain rising costs, and longer-living patients want continually enhanced quality of treatment points to a digital and value-based transformation with far-reaching ramifications for the health-care industry. In this emerging specialty field of research, fields of interest include data integrity, privacy preservation, health information systems interoperability, permissioned security for health data, clinical support and clinical trials management, supply chain management, revenue cycle automation, cost, impact, integration of AI and machine learning deep learning tools, usage of IoT devices, and digital twins etc. This session will examine and explore the role of digital disruption in healthcare service innovation, drawing on the latest technologies, key opinion leaders from industry, consulting, and clinical practice to see how digitalization will

affect key aspects of the healthcare value chain, such as stakeholder relationships, service activities, resource requirements, and healthcare economic models. This session will have an influence on a variety of healthcare stakeholders. The goal of this session is to look at how new technologies applied to the healthcare sector might help people live healthier lives.

Sub-themes (but not limited to):

- Semantic Models for Sensor Data Representation in Health Care System.
- Semantic Representation of Biomedical Data and Connected Devices.
- Role of Connected Objects in Health Care Semantic Models.
- Intelligent Application of Health Care System.
- Case-based and Rule-based Reasoning in Semantic Models.
- Semantic Annotation of Health Data using Heterogenous Devices.
- Deep Learning in Biomedical Signals.
- Modelling and analysis of active biopotential signals in health care.
- Life Sciences and health care.
- Emerging Application of Artificial Intelligence on health care.
- Internet of Things & Computing on health care.
- Quantum Health Informatics
- Medical Imaging.
- Machine learning and cognitive computing.
- Big data security
- Explainable AI
- Digital Twin
- Blockchain
- Robotics and automation
- Virtual reality

Note: It is a mandatory requirement that all papers submitted for this session must be e-mailed to lgaur@amity.edu along with [EasyChair](#) submission.

In case of any query, please write to us on:

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