C A L L   F O R   P A P E R

Special Session

on

"Advancements in Data Analytics for Smart Healthcare"

in

International Conference

on

Technological Advancements in Computational Sciences

(ICTACS-2022)

10th – 12th October 2022

at

Amity University, Tashkent City. Street Labsak, Building-70, 100028, Uzbekistan.

Technically Co-Sponsored by

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

Session Chair:

- **Dr. Mamoon Rashid, Vishwakarma University Research Center of Excellence for Health Informatics, Pune, India.**
- **Dr. Neha Sharma, Chitkara University Institute of Engineering and Technology, Chitkara University, Punjab, India.**

Important Weblinks:

- To visit Conference Website, **click here**
- For Research Paper Submission, **click here**
  Research Paper/ Article/ Manuscript will be submitted through **EasyChair** only.
  If you don't have **EasyChair** account, please **create** one.
- To view special session details, **click here**
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Important Dates:

Paper Submission Deadline:	06-July-2022
Notification of Acceptance:	20-August-2022
Camera Ready Paper Submission Deadline:	10-September-2022
Last Date of Registration:	20-September-2022
Conference Date:	10th – 12th October 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 Computation, Automation and Knowledge Management on 10th – 12th October 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.

Aim and Scope:

Health data and its security are of pivotal importance in the era of smart health. It generally differs from other data in terms of structure, context, importance, usage, and sources from which it is collected. Smart healthcare makes use of various implementation technologies like Networking, Signal Processing, Communication, Big Data Analytics, etc. Although various algorithms, techniques, methods, applications, etc., are continuously developed to be used for the acquisition, storage, processing, analysis, security, authentication, privacy, standardization, and optimization of every process in the health sector. However, the dynamic nature of world health necessitates the development of more effective solutions. To be smarter, the need of the hour is twofold. One, to apply data analytics on voluminous health data and to apply insights to improve quality of care while reducing medical costs and promote a better living by improving the present healthcare. Secondly, given the number of data breaches that are taking place around the world, it is equally important to develop better schemes for providing security to the health data ensures privacy, and support proper content authentication.

The purpose of this special session is to bring together researchers, academicians, and other stakeholders from various fields and disciplines and provide them an independent platform to exchange information on their researches, ideas, and findings of healthcare data and its analytics. It is also aimed to encourage ideas about the development of new security solutions for health data so that smart healthcare can complement conventional healthcare in a better way.

Topics of interest include, but are not limited to, the following:

<u>Sub-themes</u> *(but not limited to)*:

- Health data and analysis
- Issues with health data processing
- Pervasive Healthcare Information Systems and Services
- Protection and security of personal health data
- Electronic health records and standards
- Personal Health records
- Information Systems for smart healthcare
- IoT applications for smart healthcare
- Medical Imaging Systems
- Medical Image Security and authentication
- Health care solutions for specially-abled.
- Health Informatics and Process management
- Decision Support System in healthcare
- Smart health Applications
- Authentication of healthcare data (e-health/m-health/telemedicine)
- Access control for smart health
- Cryptography and lightweight-cryptography for smart health systems
- Watermarking and steganography for health data
- Secret sharing for EHR/PHR security
- Security for e-health and m-health

<u>Note:</u> It is a mandatory requirement that all papers submitted for this session must be e-mailed to <u>mamoon873@gmail.com</u> along with <u>EasyChair</u> submission.

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