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Dr. Guru Prasad Subas Chandra Mishra, Associate Professor, NIT Raipur
Dr Santanu Kumar Behera, Professor, NIT Rourkella
Dr Rajat Subhra Chakraborty, Professor, IIT KGP

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Venue

Guru Nanak Institute of Technology
157/F, Nilgunj Rd,
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SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

Sponsored

TWO DAYS National Conference on Machine Learning in Healthcare Applications (MLHA-2024)



Organized by:

**Department of Electronics and
Communication Engineering
(NBA Accredited)**

: Venue :

Guru Nanak Institute of Technology

Kolkata, India

Date: 18-19 April, 2024

Introduction:

Healthcare is an important sector which provides value-based caring to millions of people. Machine learning in healthcare is one of the important areas which are gradually becoming accepted in the healthcare industry. Machine Learning has changed the modern healthcare sector by incorporating automation, higher diagnostic precision for an improved quality and healthy life. Applications of machine learning are an emerging field of research which is more convenient than people may realize. The main goal of machine learning is to improve patient outcomes and produce medical insights that were earlier unreachable. It actually provides a way to validate doctors' reasoning and decisions utilizing predictive algorithms.

Objectives of the conference:

- i) To learn the basics of mathematical foundation of machine learning, machine learning for biomedical signals, analysis of audio, video and images in the healthcare sector and various ways in which ML is related to our real world.
- ii) To provide high-level expert briefings on the various developments of machine learning for the healthcare industry and how these developments are helping in real life.
- iii) To provide a platform to engage, learn and collaborate with academicians, researchers and industry professionals to work in the field of healthcare and machine learning.

About the College:

Guru Nanak Institute of Technology was instituted with a vision to empower the aspiring professionals with the technological knowledge and professional expertise under the aegis of JIS Group Educational Initiatives in the year 2003. This technical campus offers undergraduate and postgraduate courses under West Bengal University of Technology (now MAKAUT) and B. Tech. (ECE, CSE, EE, FT) courses are NBA Accredited. Institute is approved by AICTE and accredited A+ by NAAC and located in one of the prime locations in North Kolkata near Sodepur. The Institute offers latest technology oriented courses as per industry trends and nurtures creativity, innovations and research initiatives both at faculty and student levels to enrich and enhance the teaching learning process..

PAPER PRESENTATION THEMES (NOT LIMITED TO)

- Machine Learning(ML) Tools & Applications in Health informatics
- ML solutions for telemedicine and e-health
- Medical Imaging
- Biomedical Signal Processing
- Information Retrieval Systems and Document classification
- Healthcare process and management
- Biotechnology and Bioinformatics
- Big Data analytics
- Applications of Web intelligence
- Natural Language Processing
- Internet of Things
- Advanced Material Science
- Pharmaceutical Technology
- Robotics in Healthcare
- Paper submission rules: Full paper – within 4 to 6 pages submission through below mentioned link in word and pdf format.
- Paper format: IEEE Conference format

SUBMISSION GUIDELINES:

- Full paper length: 4-6 pages
- Paper format: IEEE Conference Format
- All submitted papers will go through a plagiarism check to find out the originality.
- All accepted and presented papers will be published in the form of Conference Proceedings with ISBN (e-copy will be sent through mail).
- Selected Papers having computational work will be published in International Journal (with ISSN No.).
- For each paper at least one Author Registration is mandatory for the publication.
Papers may be sent on or before 5th March, 2024 as per IEEE conference format
- For more details contact us: mlhagnit2024@gmail.com
- Paper submission link:
<https://docs.google.com/forms/d/e/1FAIpQLScVbT7T8lNgJfMim0sox-vtToBvtNgV8v4PLlarBXsoXOvErA/viewform>



IMPORTANT DATES:

Full Paper Submission	:05/03/2024
Acceptance Notification	:12/03/2024
Registration	:15/03/2024
Submission of Camera ready paper	:15/03/2024

REGISTRATION FEES:

Author (Student UG, PG or PhD)	: Rs. 500/-
Author (Academics)	: Rs. 600/-
Author (Industry)	: Rs. 1000/-
Only participation	: Rs. 400/-

PAYMENT INFORMATION:

The registration fee shall be paid through electronic fund transfer to the **A/C no.: 33454713045**
IFSC Code: **SBIN0016642**
Branch: **GNCC**
Bank: **State Bank of India.**

