

About the Book

The book title “**Machine learning and Artificial Intelligence in Healthcare Systems: Tools and Techniques**” will be published by the CRC Press, Taylor & Francis Group, USA (Confirmed). The aim of the book is to provide core principles, algorithms, protocols, emerging trends, security problems and their findings in e-healthcare services. The book covers applications, including case studies, and discusses how AI and IoT applications such as wireless devices, sensors, and deep learning could play a significant role to assist patients, doctors and pharmaceutical staff in delivering superlative care. This book provides applications of machine learning in healthcare systems and seeks to close the gap between engineering and medicine. Major contributions of chapters are expected from leading researchers, industry practitioners, and implementers. Their insightful discussions and knowledge, based on references and study will lead to an excellent book and a great knowledge source.

Book Series: “Artificial Intelligence in Smart Healthcare Systems”
Series Editors: Vishal Jain and Jyotir Moy Chatterjee

Tentative List of Chapters, but are not limited to:

- Systematic View and Impact of Artificial Intelligence in Smart Healthcare Systems, Principles, Challenges, and Applications
- Machine Learning Approaches for Analysis in Smart Healthcare Informatics
- IoT Applications in Healthcare, Security and Privacy Issues—A Game of Catch-Up
- Virtual Reality—Robotic Improved Surgical Precision using AI Techniques
- Automated Hybrid Recommender System for with Applications in Smart Healthcare
- Healthcare Informatics from the Push of Clinical Information: Harvesting User Feedback for Enhancing Disease Diagnosis
- Remote Monitoring Medical- Cyber Physical Systems (MCPS) for intelligent healthcare services
- Brain Tumor Detection and Classification Through neuroimaging data: Technique for Smart Healthcare Adaptation
- Computer-Assisted Diagnosis and Classification of Abnormalities in Medical Images using Deep Learning Strategies
- Automated Two-Level Breast Cancer Staging Diagnosis in Digital Mammography
- Artificial Intelligence and Machine Learning in the Prediction of Epidemic Disease Outbreaks
- Deep Learning for Next Generation Healthcare: A Survey of State-of-the-art and Research Prospects
- Automated Computational Methods and Modelling in Drug Delivery
- Machine Learning-Based Data Classification Techniques in Healthcare Using Massive Online Analysis Framework
- Machine Learning-Based Data Analysis for Patient Behavior and Sentiments Analysis

Benefits to the authors

- Published in an edited book by Taylor & Francis/CRC Press
- No Publication Fees
- Electronic copy (free of cost)
- Worldwide circulation/Indexed through Web of Science and Scopus

Important Dates

Chapter Proposal Submission
 (Abstract + Chapter flow 500-800 words)

10th October 2021
10th November 2021

Abstract acceptance Notification
 (Notification will be sent within three weeks of submission)

Full Chapter Submission
30th January 2022

Acceptance/ Rejection Notification
28th February 2022

Camera-Ready Submission
30th March 2022

Abstract and Chapter Preparation Guidelines:

The chapter abstract submission must include the title of the chapter, names of all authors, their affiliations, email-ids, chapter abstract (approximate 500 to 800 words), at least 6 keywords, and tentative table of contents.

Submission Procedure

- Prospective authors are requested to submit their chapter proposals using EasyChair submission system <https://easychair.org/conferences/?conf=mlaihs2022> Or through email to tawseef@bgsbu.ac.in
- All submitted chapters will be peer-reviewed.
- Submitted chapters should not have been published previously, not under consideration for publication elsewhere.
- Authors are requested to refer to the given link for detailed guidelines for chapter preparation: [Click here](#)

Visit for details: <https://sites.google.com/view/crcbook>

No publication Charges

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