3. Quality of Teachers and Teaching

3(C-i) Summary of Number of International Conference proceedings per teacher during the year

S.No.	Number of International Conference proceedings	Department
1	1	B.com.(H)
2	2	BBA

Number of International conference proceedings per teacher during the year - 03

Sl. No.	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Name of the conference	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
CONFERENCE PROCEEDINGS							
1	Dr. Prashant Kumar	Heart Disease Predictive Analysis Using Machine Learning Approaches	2023 6th International Conference on Contemporary Computing and Informatics (IC3I)	International Conference on Contemporary Computing and Informatics (IC3I)	2024	ISBN 2361-2367	IEEE
2	Dr. Preeti Singh	AI and Corporate Risk Management: Identifying and Mitigating Technological and Ethical Risks	2 nd International Conference on Knowledge Engineering and Communication Systems	International Conference on Knowledge Engineering and Communication Systems	2024	Electronic ISBN: 979-8-3503-5968-8 Print on Demand(PoD) ISBN:979-8-3503-5969-5	IEEE
3	Dr. Ruchi Srivastava	The Study on the agenda of the 17 Goals of the united nation for the sustainable Development	Building A Resilient Economy through Digitalisation Transformation and Green Innovation	6th Research Convention 2024: Towards a Resilient economy: Digitalization, Transformation and Green Innovation	2024	e-isbn : 978-81-970881-3-1.	Cengage Mindtap

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CONFERENCE PROCEEDINGS FOR A.Y. 2023-24

Heart Disease Predictive Analysis Using Machine Learning Approaches

Publisher: IEEE

Anamika Rana : Sushma Malik : Madhu Chauhan : Prashant Kumar All Authors •••

Abstract: Machine Learning (ML) has found widespread applications in the healthcare sector worldwide, including the diagnosis and treatment of heart diseases, locomotor disorders, ... **View more**

Metadata

Abstract:

Machine Learning (ML) has found widespread applications in the healthcare sector worldwide, including the diagnosis and treatment of heart diseases, locomotor disorders, and various other medical conditions. ML methods have revolutionized healthcare by enabling the analysis of large and complex medical datasets, leading to valuable insights and predictions that aid healthcare professionals in providing better patient care. ML's ability to analyze vast amounts of healthcare data, uncover patterns, and make predictions has significant potential to improve patient outcomes, optimize medical workflows, and advance medical research. However, it's essential to address privacy and ethical considerations when using ML in healthcare, ensuring the responsible and secure use of sensitive patient information. Supervised Learning methods like SVM, Random Forest, and Logistic Regression are used for the analysis of the dataset downloaded from Kaggle. The various performance parameters such as Precision, F-1 score, Accuracy, and Recall were used to compare the performance of different ML classification techniques. Among the various methods evaluated, the Random Forest classification algorithm was found to outperform the other methods across the fourteen available parameters.

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Contents

I. Introduction

Machine Learning (ML) has made significant contributions to the healthcare sector worldwide. Its applications range from disease prediction and diagnosis to personalized treatment plans. ML is a powerful tool in data science research that can be used to build models capable of learning patterns from data. Researchers often validate and assess these models to ensure their reliability and applicability[1]. However, Machine Learning does not inherently rely on prior research experience, and models are not influenced by immediate input from the training sample during inference. Here are some ways ML is used in the healthcare industry, particularly for heart diseases and locomotor disorders [2]–[4]: •

Diagnosis and Prediction: ML algorithms possess the ability to examine extensive volumes of medical data, comprising patient health records, medical imaging, and genetic information. This enables them to recognize patterns and render precise diagnoses. F or heart diseases, ML can be used to predict the likelihood of an individual developing a certain heart condition based on their risk factors, lifestyle, and genetic predisposition. Similarly, for locomotor disorders like arthritis, ML models can analyze patient data to predict disease progression and response to treatment.

•
Medical Imaging Analysis: ML techniques, such as convolutional neural networks (CNNs), have shown remarkable capabilities in rendering medical images. These models can help detect abnormalities, tumors, or anomalies in the heart or musculoskeletal system, aiding radiologists and other specialists in making more accurate diagnoses.

•

Drug Discovery and Development: ML plays a crucial role in drug discovery by identifying potential drug candidates and simulating their interactions with biological molecules. This accelerates the process of finding new treatments for heart diseases and locomotor disorders.

•
Personalized Medicine: ML empowers the development of personalized treatment plans for patients. Through the analysis of data, such as genetic and medical history, ML algorithms can propose the most suitable and effective treatment options customized to each individual's distinct needs and characteristics.

•
Patient Monitoring: ML can continuously monitor patients and analyze their health data in real time. This allows healthcare professionals to detect early signs of deterioration or potential complications, enabling timely interventions and better patient outcomes.

•
Electronic Health Records (EHR) Management: ML algorithms can process and extract insights from vast amounts of unstructured EHR data, helping healthcare providers optimize workflows, improve decision-making, and enhance patient care.

•
Data Security and Privacy: ML is also used to enhance the security of patient data, detecting potential breaches and protecting sensitive medical information from unauthorized access.

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Towards A Resilient Economy: Digitalization, Transformation and Green Innovation

Editors: Dr. V.N. Bajpai • Dr. Rajeev Johari • Dr. Indraneel Mandal,
• Dr. Shikha Aggarwal • Dr. Namita Mishra

6th Research Convention

20th January, 2024

Towards A Resilient Economy: Digitalization, Transformation and Green Innovation

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CHAPTER 2

The study on the agenda of the 17 Goals of the United Nations for the sustainable development

Ruchi Srivastava, JIMS, New Delhi

Abstract

To guarantee human well-being, economic prosperity, and environmental preservation, the Sustainable Development Goals (SDGs) have established the 2030 agenda. The SDGs offer an all-encompassing and multifaceted perspective on development, in contrast to traditional development agendas that concentrate on a limited number of dimensions. The global economies are working together to accomplish the objectives of sustainable development. The previous strategies, in which governments sought objectives for the expansion and advancement of their individual economies, stand in stark contrast to this. The pursuit of excellence and growth has destroyed some natural resources, thrown off the ecological balance, and caused imbalances in the economic development of different nations. Climate change and global warming are the effects of this that we are currently experiencing. A course of action that would guarantee a safe environment for future generations has become imperative because this threatens the very existence of human life on the land. This research article discusses about all the 17 Sustainable Development Goals and is important key features and its contribution in the Sustainable development of the country.

Keywords: *Sustainable Development Goals, environment protection*

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Towards A Resilient Economy: Digitalization, Transformation and Green Innovation

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