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3. Quality of Teachers and Teaching

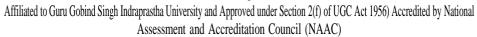
3(C-i) Summary of Number of International Conference proceedings per teacher during the year

S.No.	Number of International	Department
	Conference	
	proceedings	
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Number of International conference proceedings per teacher during the year - 03

SI. 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
			CONFEREN	ICE 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	Al 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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Abstract



Document Sections

- Introduction
- II. Methodology
- III. Results and Discussion
- IV. Performance Parameters 5 8 1
- V. Confusion Matrix for the Classifiers

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Figures

References

Keywords

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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

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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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 dispovery 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.

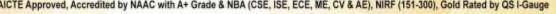
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Certificate



This certificate is awarded to Preeti Singh from Jagannath International Management School for having participated and

presented the paper titled AI and Corporate Risk Management: Identifying and Mitigating Technological and Ethical Risks in

2nd International Conference on Knowledge Engineering and Communication Systems held at SJC Institute of

Technology in association with IEEE Bangalore Section, April 18 & 19 2024

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6th Research Convention 2024

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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Contents

From the Director's Desk Foreword Preface Lists of Tables and Figures				
1.	Sustainable Development Goals and SDGs Challenges for Assam Deepjyoti Bora	1-9		
2.	The study on the agenda of the 17 Goals of the United Nations for the Sustainable Development Ruchi Srivastava	10-21		
3.	Implementation of Technology during Covid-19 pandemic In Healthcare Sector Niharika Singh, Bhavana Sharma	22-29		
4.	Phoenix Home-Empowering Individual E-Waste Upcycling into Personalized Smart Devices S. Nagarajan, S. P. Sudha, R. Lokesh	30-39		
5.	Transformations to facilitate the Operation of GVCs in South East Asia: An Anecdotal Account Rajeev Johari, Indraneel Mandal	40-45		
6.	Aspects of Digitalization and Their Effects for Green Tourism in Europe Shivansu Sachan, Astha Shukla, Sakshi Shukla	46-57		
7.	Achieving \$5 trillion Indian Economy through Rural Entrepreneurship Puneet Kumar, Surendra Tiwari, Nitin Saxena	58-65		
8.	The Advertisement Effectiveness of HCL Among Potential Employees in NCR Sanjeev Tandon, Ruchi Tandon	66-75		
9.	A Study on Impact of Artificial Intelligence in Elements Marketing Mix N. Siva Surendra, A. Siva Naga Lakshmi	76-84		
10.	Enhancing Individual Learning Capabilities and Organizational Learning Environments: A Review of Research and Practice Sanjana Kaushik	85-100		
11.	Reinventing workforce management future of HRM in the digital era: A Review of Research and Practice Sanjana Kaushik, Chitrakashi Hooda	101-115		
	References			
	Annexures			
14.	List of Contributors			

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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Dr. Rajeev Johari is the Innovation Ambassador of MIC, AICTE, Convener of Ministry of Education's IIC-LT.S and Nodal Officer of ARIIA, AICTE. He has over 21 years of teaching experience in reputed educational institutes and universities like Delhi University, Jamia Millia Islamia at both undergraduate and postgraduate level. He has authored more than 27 papers that have been published in refereed journals.



Dr. Indraneel Mandal has done his Ph.D. on stock market indices. Apart from his Ph.D. topic, he has also published interdisciplinary papers on socio-economic issues. His current interests in research include supply chain management and human computer interaction.



Dr. Shikha Aggarwal is an Assistant Professor with the Management Department at Institute of Technology and Science. She has received Ph.D. & MBA in HRM from reputed State Universities of the country. Being a pure academician, she has an experience of teaching and research spanning more than 10 years. She has published research papers in UGC- CARE & Scopus indexed journals and authored book chapters published with international publishers including IGI global.



Dr. Namita Mishra, is a distinguish professional having in depth association with education and research projects. Her teaching experience is in Finance, Accounting with over 18 years of expertise. Academically she is MCOM, MBA and PhD from reputed universities. She is a certified financial analysist from IIM Kashipur. She has authored 03 books and two edited volumes with national and international publishers. Professor Namita has published more than 37 research papers in national, international and conference proceedings of reputes and 17 patents to her credits.

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