Role of Telemedicine and Telehealth in combating pandemic Covid-19 in India- A case study from India focusing remote delivery of Pandemic essentials, significance of latest technology in managing medical problems during pandemic in India

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Abstract

Digital health and tele-medicine became predominant during covid-19 for combating its challenges on daily basis. Telemedicine is emerging as a boon for new era strategy Oriented tool for dealing with medical concern. The outbreak of Covid-19 was a public health emergency which took a long period complete shutdown. In India the first phase and second phase of Covid-19 left out different impact on the society. In this presentation i have dragged multiple instances of case study from India in combating pandemic through latest technology and Remote delivery of pandemic essential in a nutshell. In several parts of India like Telangana Drone technology was introduced to provide the health care services and Medicine at remote rural areas. Similarly how digital technology and cloud based application helped in oxygen cylinder tracking and vaccination campaign these all case study is discussed in this lecture. At last I am going to discuss how inclusion of IoMT and artificial intelligence can boosted these diverse timeframe of covid 19 inInd

Recent Publications (minimum 5)

1. Sinha A, Singh S. Review on air pollution of Delhi zone using machine learning algorithm. japh. 2020;5(4):259-272.
2. Sinha, A., & Jha, P. (2021). Multidimensional Survey of Machine Learning Application in IoT (Internet of Things). In Human Communication Technology (pp. 263–299). Wiley. https://doi.org/10.1002/9781119752165.ch11.
3. Sinha, A., & Singh, S. (2021). Detailed Analysis of Medical IoT Using Wireless Body Sensor Network and Application of IoT in Healthcare. In Human Communication Technology (pp. 401–434). Wiley. https://doi.org/10.1002/9781119752165.ch15
4. Sinha*, A., & Bhadani, A. K. (2021). Double Layer Cryptography using Multiplicative Cipher and Chemical Periodic Table. In Indian Journal of Data Communication and Networking (Vol. 1, Issue 2, pp. 21–30). Blue Eyes Intelligence Engineering and Sciences Engineering and Sciences Publication - BEIESP. https://doi.org/10.35940/ijdcn.b5008.04122

5. Vishal Verma, Anurag Sinha. (2020). Manipulation of Email Data Using Machine Learning and Data Visualization . *International Journal of Advanced Science and Technology*, *29*(04), 9743 -. Retrieved from http://sersc.org/journals/index.php/IJAST/article/view/33000

Review on air pollution of Delhi zone using machine learning algorithm-Journal of Air Pollution and Health-published-EBSCO, SCI.

- Computer-Aided Design (CAD) System for Designing Customized Shoe- IEEE Transactions on Neural Networks and Learning

Systems-Accepted

- Skin Disease Detection and Classification Using Component Factor Oriented Neural Algorithm - International Journal of Business

Analytics (IJBAN)-IGI BLOBAL – WEB OF SCIENCE-accepted

- Manipulation of Email Data Using Machine Learning and Data Visualization- International Journal of Advanced Science and

Technology-published

- Employing Unsupervised Learning Algorithm for Stock Market Analysis and Optimization of Algorithm Using Principle Component

Analysis-6th IEEE International Conference on Computing, Communication and Automation-accepted

- Classification of Heart Sound Using Machine Learning For Accuracy and Matlab Framework for Data Analytics-6th IEEE

International Conference on Computing, Communication and Automation-accepted

- Application of ai in ayurvedic science, status – accepted-Special series of ai application in machine learning - explainable ai in

healthcare informatics and clinical decision support-Scopus

- Principle component analysis of medical big data and management through density based clutering algorithm status – accepted

springer special series

- House cost estimation of bangalore region using feature selection algorithm of machine learning- Quantum journal of engineering,

science and technology-published

- A Novel approach of Dynamic Cryptography using Random virtual 2D Data Tokens, November 2020, Journal of Computer and

Mathematical Sciences 11(11):72-87-published

- Double Layer Cryptography using Multiplicative Cipher and Chemical Periodic Table, Indian Journal of Data Communication and

Networking (IJDCN) ISSN: 2582-760X, Volume-1 Issue-2, April 2021 -published

BOOK CHAPTERS

- Climate Change Forecasting of Rajasthan Agricultural area Using Ai Technologies for Energy and Material

Consumption

- Application of Conversational Artificial Intelligence for Farmer's Advisory and Communication- Application of

Conversational Artificial Intelligence for Farmer's Advisory and Communication-ACCEPTED

- Ambiguity in Working and Functionality in Deployed Software from Client Side in Prototype Sdlc Model Scenario
- Implication of Data Mining and Machine Learning in Software Engineering Domain for Software Model, Quality and

Defect Prediction- A Detailed AnalysisSTATUS - ACCEPTED

- Book Series : Information Technology, Management & Operations Research Practices", CRC Press, Taylor &

Francis Group, USA

- Title of Book : Multi-Criteria Decision Models in Software Reliability: Methods and Applications
- TAYLOR AND FRANCIS-ACCEPTED
- Deep learning in Types of Fetal Abnormality Detection using MRI and ultrasound images – Recent Trends, Taxonomy and Applications, benefit to society
- Employing Image Processing and Deep Learning in Gradation and Classification of Paddy Grain-dlsi 2021-springer

nature book series-ACCEPTED

- Multidimensional Survey of Machine Learning Application in IoT (Internet of Things)- Human Communication

Technology: Internet-of-Robotic-Things and Ubiquitous Computing'-ACCEPTED

- APPLICATION OF BIG DATA ANALYTICS AND MEDICAL INTERNET OF THINGS IN MEDICAL FIELD AND

  HEALTHCARE- Emerging Technologies for Combating Pandemics: AI, IoMT, and Analytics"-ACCEPTED



Biography

Mr. Anurag Sinha, is currently pursuing Ms in computer science. He was the student of information technology in Amity university Jharkhand. His area of interest is deep learning, biomedical, IoT, software engineering, data analytics, natural language processing, machine learning, and object oriented analysis and design, network security and data science. He is currently member of associate author team of wiley publication chennai. He has attended and presented paper in international conference organized with the collaboration of SPRINGER and IEEE. MR. Anurag has published book chapter and several research papers in international journals