

1. Record Nr.	UNISA996464436303316
Autore	Singh Mayank
Titolo	Advances in computing and data sciences : 5th international conference, ICACDS 2021, Nashik, India, April 23-24, 2021, revised selected papers, part II // Mayank Singh [and five others]
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-88244-6
Descrizione fisica	1 online resource (447 pages)
Collana	Communications in Computer and Information Science ; ; v.1441
Disciplina	005.8
Soggetti	Computer security
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	<p>Intro -- Preface -- Organization -- Contents - Part II -- Contents -</p> <p>Part I -- Predicting Seasonal Vaccines and H1N1 Vaccines Using Machine Learning Techniques -- 1 Introduction -- 2 Literature Survey -- 3 Data Analysis -- 3.1 Dataset -- 3.2 Data Cleaning and Pre-processing -- 3.3 Data Visualization -- 4 Training and Testing the Model -- 5 Methodologies -- 5.1 Method 1 - OneVsRest -- 5.2 Gradient Boosting -- 6 Results and Evaluation -- 7 Conclusion -- References -- Handling Class Imbalance in Electroencephalography Data Using Synthetic Minority Oversampling Technique -- 1 Introduction -- 2 Dataset Information and Preprocessing -- 3 Epileptic Seizure State Recognition Model -- 3.1 Synthetic Minority Oversampling Technique (SMOTE) -- 3.2 Random Forest Classifier -- 4 Performance Evaluation Parameters -- 5 Results and Discussion -- 6 Conclusion and Future Work -- References -- Dissemination of Firm's Market Information: Application of Kermack-Mckendrick SIR Model -- 1 Introduction -- 2 Related Work -- 2.1 The Kermack-Mckendrick SIR Model -- 3 Methodology -- 3.1 Product Information Dissemination Model -- 3.2 State Changes in Product Information Transmission -- 4 Experiments -- 4.1 For Eqs.1, 2 and 3 -- 4.2 For Eqs.11, 12 and 13 -- 5 Conclusion and Future Work -- References -- Improving Image-Based Dialog by Reducing Modality Biases -- 1 Introduction -- 2 Literature Survey -- 3 Methodology -- 3.1 System Workflow -- 3.2</p>

Dataset Used -- 3.3 Feature Extraction and Dense Caption Generation  
-- 3.4 Attention Mechanism -- 3.5 Network Architecture -- 4  
Experimentation and Results -- 5 Conclusion and Future Scope --  
References -- Dependency Parser for Hindi Using Integer Linear  
Programming -- 1 Introduction -- 2 Literature Survey -- 3 Paninian  
Grammar -- 3.1 Karaka Relations -- 4 Methodology -- 5 Results and  
Discussions -- 6 Conclusion and Future Scope.  
References -- Medical Records Management Using Distributed Ledger  
and Storage -- 1 Introduction -- 2 Related Works -- 3 Proposed  
Solution -- 3.1 System Architecture -- 3.2 UseCases -- 4 Conclusion  
and Future Work -- References -- Detection of Depression and Suicidal  
Ideation on Social Media: An Intrinsic Review -- 1 Introduction -- 2  
Datasource and Dataset Characteristics -- 3 Methodology/Assessment  
Criteria for Modeling -- 3.1 Preprocessing -- 3.2 Feature Extraction --  
3.3 Topic Modeling -- 3.4 Model Approaches -- 4 Discussion -- 5  
Conclusion -- 6 Future Work -- References -- Frequency Based Feature  
Extraction Technique for Text Documents in Tamil Language -- 1  
Introduction -- 1.1 Feature Extraction and Feature Selection -- 2  
Literature Survey -- 3 Feature Extraction Techniques -- 4 Frequency-  
Based Feature Extraction Architecture -- 5 Results and Discussion -- 6  
Conclusion -- References -- An Approach of Devanagari License Plate  
Detection and Recognition Using Deep Learning -- 1 Introduction --  
1.1 Nepali License Plate (NLP) -- 2 Related Works -- 3 Proposed  
Method -- 3.1 Detection and Localization -- 3.2 Image Processing  
and Segmentation of LP Characters -- 3.3 Feature Extraction  
and Character Training -- 4 Experiments and Results -- 4.1 Dataset --  
4.2 LP Detection, Localization and Segmentation Results -- 4.3  
Character Prediction Results -- 5 Conclusion -- References --  
COMBINE: A Pipeline for SQL Generation from Natural Language -- 1  
Introduction -- 2 Related Work -- 3 Text-To-SQL Task -- 3.1 Task  
Definition -- 3.2 DataSet -- 4 COMBINE: Our Pipeline for SQL  
Generation -- 4.1 Ensemble Learning (EL) -- 4.2 COMBINE: Description  
and Architecture -- 5 Evaluation and Results -- 5.1 Evaluation Metrics  
-- 5.2 Results -- 6 Conclusion -- References -- Recognition  
of Isolated Gestures for Indian Sign Language Using Transfer Learning  
-- 1 Introduction.  
2 Previous Work -- 3 Methodology -- 3.1 Dataset -- 3.2 Our Approach  
-- 4 Experiments and Results -- 4.1 Experiment on MNIST Sign  
Language Dataset -- 4.2 Experiment on IIITA Static Sign Language  
Dataset -- 5 Conclusion and Future Work -- References -- A Study  
of Five Models Based on Non-clinical Data for the Prediction  
of Diabetes Onset in Medically Under-Served Populations -- 1  
Introduction -- 2 Literature Survey -- 3 Methodology -- 3.1 Dataset  
Description -- 4 Model Analysis and Result Comparison -- 5  
Conclusion -- References -- Representation and Visualization  
of Students' Progress Data Through Learning Dashboard -- 1  
Introduction -- 1.1 Problem Identification -- 1.2 Research Gap  
and Objective -- 2 Literature Review and Theoretical Backgrounds -- 3  
Research Study Design -- 4 Procedures -- 4.1 Data Input: The Input  
to the Tool Is -- 4.2 Data Cleaning and Preprocessing -- 5 Results  
and Findings -- 6 Conclusion and Future Work -- References --  
Denoising of Computed Tomography Images for Improved Performance  
of Medical Devices in Biomedical Engineering -- 1 Introduction -- 1.1  
Common Noises -- 2 Filters Used for Denoising -- 2.1 Mean Filter --  
2.2 Block Matching and 3D (BM3D) Filter -- 2.3 Anisotropic Diffusion  
Filter -- 2.4 Median Filter -- 2.5 Wiener Filter -- 2.6 Non Local Means  
(NLM) Filter -- 2.7 Gaussian Filter -- 2.8 Wavelet Filter -- 2.9 Total  
Variation Filter -- 2.10 Bilateral Filter -- 3 Literature Review -- 4

Materials -- 4.1 Dataset Description -- 4.2 Experimental Setup -- 5  
Methodology -- 6 Results and Discussions -- 6.1 Denoising  
Performance Metrics -- 6.2 Performance Analysis -- 7 Conclusion  
and Future Scope -- References -- Image Dehazing Through Dark  
Channel Prior and Color Attenuation Prior -- 1 Introduction -- 2  
Related Works -- 3 Proposed Methods -- 3.1 Color Attenuation Prior --  
3.2 Dark Channel Prior -- 3.3 Synthetic Fog.  
4 Implementation -- 4.1 Dark Channel Prior -- 4.2 Color Attenuation  
Prior -- 5 Results and Discussion -- 6 Conclusion -- References --  
Predicting the Death of Road Accidents in Bangladesh Using Machine  
Learning Algorithms -- 1 Introduction -- 2 Literature Review -- 3  
Proposed Methodology -- 3.1 Data Collection -- 3.2 Data Pre-  
processing -- 3.3 Classification Rules Based Machine Learning  
Algorithms -- 4 Dataset Discussion and Result Analysis -- 4.1 Dataset  
Discussion -- 4.2 Result Analysis -- 5 Conclusions  
and Recommendations -- 5.1 Findings and Contributions -- 5.2  
Limitations -- 5.3 Recommendations for Future Work -- References --  
Numerical Computation of Finite Quaternion Mellin Transform Using  
a New Algorithm -- 1 Introduction -- 2 Literature Review -- 3  
Preliminaries -- 3.1 Hat Functions -- 4 Method of Evaluation -- 4.1  
Program Code -- 5 Numerical Illustrations -- 6 Conclusion --  
References -- Predictive Modeling of Tandem Silicon Solar Cell  
for Calculating Efficiency -- 1 Introduction -- 2 Literature Review -- 3  
Research Methodology -- 4 Artificial Neural Network Modeling  
of Tandem Silicon Solar Cell -- 5 Performance of System at Diverse  
Numbers of Hidden Neurons -- 6 Conclusion -- References -- Text  
Summarization of an Article Extracted from Wikipedia Using NLTK  
Library -- 1 Introduction -- 2 Literature Review -- 3 Need of Text  
Summarization -- 4 Methods of Text Summarization -- 5 Benefits  
of Text Summarization -- 6 Applications of Text Summarization -- 7  
Research Methodology -- 8 Design and Development of System -- 9  
Result Analyses -- 10 Conclusion -- References -- Grapheme to  
Phoneme Mapping for Tamil Language -- 1 Introduction -- 2 Related  
Works -- 3 Graphemes and Phonemes -- 4 Deep Learning-Based g2p  
System -- 4.1 Methodology -- 4.2 Dataset -- 4.3 Data Pre-processing  
-- 4.4 RNN -- 4.5 Training -- 4.6 Inference -- 5 Experiments -- 6  
Results.  
6.1 g2p System Analysis -- 6.2 Performance of LSTM and BiLSTM --  
6.3 Graphical Illustration -- 7 Conclusion -- References --  
Comparative Study of Physiological Signals from Empatica E4 Wristband  
for Stress Classification -- 1 Introduction -- 2 Related Work -- 3  
Methodology -- 3.1 Data Collection -- 3.2 Data Processing -- 4  
Experimentation -- 5 Results -- 6 Discussion -- 7 Conclusion and  
Future Work -- References -- An E-Commerce Prototype for Predicting  
the Product Return Phenomenon Using Optimization and Regression  
Techniques -- 1 Introduction -- 2 Literature Review and Real-Time  
Surveys on Returns in e-Commerce -- 3 Empirical Research -- 3.1  
Quantitative Operational Process -- 3.2 Understanding the Data -- 3.3  
Variables Used in Optimizing Results -- 4 Hybrid Metaheuristic Based  
Regression Approach (HMRA) -- 5 Experimental Illustration -- 5.1  
Manufacturer Return Percentage (manufreturn) -- 5.2 Feedback  
Review Percentage (prodfeedback) -- 5.3 Final Return Prediction  
Percentage of Any Product (tpf) -- 6 Conclusion and Future Work --  
References -- Crop Yield Prediction for India Using Regression  
Algorithms -- 1 Introduction -- 2 Literature Review -- 3 Datasets Used  
-- 4 Proposed Model -- 4.1 Stage I: Data Pre-processing -- 4.2 Stage  
II: Model Comparison -- 4.3 Stage III: Optimized Yield Prediction -- 5  
Result Analysis -- 6 Comparative Analysis -- 7 Conclusion --

References -- A Novel Framework for Multimodal Twitter Sentiment Analysis Using Feature Learning -- 1 Introduction -- 1.1 Contribution -- 2 Literature Review -- 3 Proposed Work -- 3.1 Data Collection -- 3.2 Image Module -- 3.3 Text Module -- 3.4 Multimodal Module and Aggregate Module -- 4 Evaluation Results -- 5 Conclusion -- References -- An Iterative Approach Based Reversible Data Hiding with Weight Update for Dual Stego Images -- 1 Introduction -- 2 The Proposed Algorithm.

---

2.1 Proposed Embedding Scheme.