

**3.4.4 Details of books and chapters in edited volumes / books per teacher during the year**

Sl. No	Name of the Teacher	Title of the Book published	Title of the Chapter published	Title of the proceedings of the conference	Name of the conference	National / International	Year and month of publication	ISBN of the Book/Conference Proceeding	Affiliating Institute of the teacher at the time of publication	Name of the Publisher
1	Dr R Vijaya Kumar Reddy	Data Structure & algorithm using C				National	October 2020	978-81-946124-8-3	Prasad V Potluri Siddhartha Institute of Technology	BH International Publications
2	Dr A Haritha & Dr PVS Lakshmi	Opinion Mining with Abstractive Summarization				National	2021	978-1-954461-69-7	Prasad V Potluri Siddhartha Institute of Technology	INSC PUBLISHING HOUSE
3	Dr G Reshma	Machine learning for ALL				National	2021	978-93-91145-35-42	Prasad V Potluri Siddhartha Institute of Technology	Vyusta Ventures LLP
4	Dr S Sai Kumar	Data Warehouse and Data Mining				National	March 2021	978-93-87865-90-7	Prasad V Potluri Siddhartha Institute of Technology	Forschung Publications
5	Dr R Vijaya Kumar Reddy		Smart Voting System		Emerging Trends in Computer Science	International	September 2020	978-93-5416-233-6	Prasad V Potluri Siddhartha Institute of Technology	Immortal Publications
6	Dr R Vijaya Kumar Reddy		Change Detection In Remote Sensing Images Using SSIM		Emerging Trends in Computer Science	International	September 2020	978-93-5416-233-6	Prasad V Potluri Siddhartha Institute of Technology	Immortal Publications
7	Dr D Kavitha, & Ms Y Padma		Optimized Candidate Generation for Frequent Subgraph Mining in a Single Graph		Proceedings of International Conference on Computational Intelligence and Data Engineering,	International	January 2021	<a href="https://doi.org/10.1007/978-981-15-8767-2_23">https://doi.org/10.1007/978-981-15-8767-2_23</a>	Prasad V Potluri Siddhartha Institute of Technology	Lecture Notes on Data Engineering and Communications Technologies 56,
8	Dr PVS Lakshmi & Dr A Haritha		ACNNADDP: An Adaptive Convolution Neural Network Algorithm for Diabetic Disease Prediction		Recent Challenges and Applications of Machine Learning and Data Science	International	December 2020	978-93-5437-721-1	Prasad V Potluri Siddhartha Institute of Technology	Immortal Publications
9	Dr PVS Lakshmi		A Comparative study on Restaurant Recommendation System Based on Machine Learning Algorithms		Recent Challenges and Applications of Machine Learning and Data Science	International	December 2020	978-93-5437-721-1	Prasad V Potluri Siddhartha Institute of Technology	Immortal Publications



**DATA STRUCTURES  
&  
ALGORITHMS USING  
C**



**Dr. Vijaya Kumar Reddy Radha  
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(20)

# DATA STRUCTURES & ALGORITHMS USING C

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**BH INTERNATIONAL PUBLICATIONS**

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# **Opinion Mining With Abstractive Summarization**

**Dr Haritha Akkineni  
Dr PVS Lakshmi**



2

**Title:** Opinion Mining with Abstractive Summarization

**Edition:** First 2021

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# Machine learning for all

3

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International House, 12 Constance Street, London E16 2DQ, United Kingdom





# **DATA WAREHOUSE AND DATA MINING**

**Dr. K. Gurnadha Gupta | Alampally Sreedevi  
Dr. S. Sai Kumar | Dr. K. Parish Venkata Kumar  
Dr. T. Kumaresan**



## Smart Voting System

Ch. Chandra Mouli<sup>1</sup>, M. Laasya Priya<sup>2</sup>, J. Uttej<sup>3</sup>, G. Pavan Sri Sai<sup>4</sup>,  
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**Abstract:** In this paper a novel certification method in online voting system using facial detection of the voter. In India, at present there are two types of voting scheme in put into practice. They are top secret Ballet paper and Electronic Voting Machines (EVM), but both of the procedure has a few limits. Indian online voting is a face up to put into practice. The present voting system is not in safe hands. The voters require going dispersed places like polling booths and standing in a lengthy line up to cast their vote, for the reason that most of the people miss their possibility of voting. The voter who is not eligible can also cast their vote by false that means which may lead to a lot of troubles. So in this paper, we have to recommend a scheme for voting which is extremely effectual in voting system. In this process, we have 3 stage of security in voting procedure. The initial level is the authentication of Aadhar number, second stage is the authentication of Voter ID and third stage is facing matching. The protection level of our scheme is really enhanced by the novel application technique for every voter. The user authentication procedure of the scheme is enhanced by addition face detection using by application which will recognize whether the user is authenticated user or not.

**Keywords:** Face recognition, Smart Voting, Security

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### 1. Introduction

Voting is fundamental right for each and every individual in our country. Each and every person has the "right to vote". But not everyone is utilizing their right, because of various reasons. The

## Change Detection in Remote Sensing Images using SSIM

N. Sai Rachana<sup>1</sup>, M. Surya Narayana<sup>2</sup>, S. Prakash<sup>3</sup>, Y. Ravi Krishna<sup>4</sup>, Dr. R. Vijay Kumar Reddy<sup>#</sup>

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### Article Info

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**Abstract:** In this paper a new authentication technique in change detection in remote sensing images. Analyzing of two multi temporal satellite images to find any changes that might have occurred between the two time stamps. It is one of the major utilization of remote sensing and finds application in a wide range of tasks like defense inspections, deforestation assessment, land use analysis, disaster assessment and monitoring many other environmental/man-made changes. As natural calamities changes from time to time, finding difference between two satellite images of two different time stamps. Image recognition and comparison is a topic that has been in focus for a long time within computer science. However, none of these companies have managed to create a solution that can do this flawlessly. Histogram comparison is one solution to this problem, though not the most optimal one. Using an algorithm that uses key point detection is the most optimal solution, if training of the algorithm is an option. One of the ideas to improve the precision is allow the user to choose between the five best dishes that the algorithm recommends. In this way one increases the probability of that the wanted dish is one of the recommended dishes. Future work in this topic can involve researching on how training the HOG, Histogram of Oriented Gradients, algorithm would work, to get a better result that could let the FLANN, Fast Approximate Nearest Neighbor Search Library, algorithm work faster.

**Keywords:** Image comparison, Unsupervised learning, Image subtraction.

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*This is to certify that Dr. /Mr. /Ms. D. KAVITHA has participated and presented a paper entitled "Optimized Candidate Generation for Frequent Subgraph Mining in a Single Graph" in the AICTE Sponsored 3<sup>rd</sup> International Conference on Computational Intelligence & Data Engineering (ICCIDE - 2020) in association with Springer organized by the Department of Information Technology, Vasavi College of Engineering, Hyderabad, Telangana, India, during 8-9 August 2020.*



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Prof. K. Ram Mohan Rao  
Conference Chair



Prof. S V Ramana  
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## ACNNADDP: An Adaptive Convolutional Neural Network Algorithm for Diabetic Disease Prediction

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### Article Info

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**Abstract:**  
India today stated that nearly 98 million people in India might be suffer with Type-2 diabetic in India by 2030. In the proposed system, the model is developed using convolutional neural network for early detection of type-2 diabetes and the model is compared with traditional and ensemble algorithms to prove the efficiency of the system. The designed network considers the optimized hyper parameters with cross validation. The system also considers the other evaluation metrics to compare with other models. The proposed system gives more efficiency than the ensemble algorithms.

**Keywords:** Soft and Hard Voting Ensemble Algorithms, CNN, Heatmaps, Activation Functions.

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### Introduction

Now days, Diabetes has become most common problem among any age group people. There are 3 types of diabetes namely Type-1 DM, Type-2 DM and Gestational diabetes and most of the surveys reported that Type-2 DM occurs more than other two types. The main reason for Type-2 DM is obesity and lack of physical exercises. If Type-2 DM is not identified or not treated for a long time, it may cause severe problems that may lead to life risk situation for a patient. The persons suffering with Type-2 diabetes

### Literature Survey:

Bhavana [1] proposed hybrid approach, by combining K-Means and weighted of diabetes. The paper also analyzed the risk parameters that are associated proposed paper forms the clusters based on the distance similarities of medical assigns the weights based on the importance of attributes. The paper also for evaluating accuracy of the model.

Safal Islam Ayon [2] developed a deep learning approach with 4 layers have different neurons. The architecture consists of 8 neurons in output layer. At each neuron weighted sum is calculated and the data is folded and 10 folded cross validation sets.

Motir Rahman [3] designed Convolutional LSTM for early proposed model eliminates vanishing gradient problem by adjusting the overcomes the problem of accessing previous memory content when the neighborhood connection, in which each gate takes an additional parameter previous cell and also it works efficiently even though the input sequence is features are extracted using the Boruta feature selection algorithm, which is uniform-forest classifier property. Finally, Grid Search algorithm is applied for optimization.

Enoch A. Frimpong [6] proposed a Feed forward ANN algorithm neurons and with multiple dense layers to classify and predict the diabetes numerical so, the author has considered dense layers rather than the convolution cost of the model, the model has implemented binary loss function, and used back propagation finally to minimize the global error rate into 70% of training, 20% of testing and 10% of validation and testing



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**Abstract:**

Now-a-days Social networking sites have become a daily routine for most of the people. The social networking sites act as sources for generating millions of data by people who share their views and reviews using E-commerce sites related to shopping, food, movies and others. In the present scenario, Twitter provides more and more information about different aspects that occur through out the world. In order to classify people's perspective on food in a restaurant we are designing sentiment analysis. Sentiment Analysis is mainly concerned with identifying and classifying sentiments that are expressed within a text and analyses the tweets into positive and negative. These social media-based predictions will then be used for a various purposes, including customizing online services to improve user experience. This paper proposes the efficient machine learning algorithm by comparing different traditional algorithms based on evaluation parameters.

**Keywords:** Pos Tagging, Sentiment Analysis, Machine Learning, NLP

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**Introduction**

Recommendation systems make the life of users easier by analyzing their behavioral patterns and suggesting the things based on their interests. Recommendation system plays an important role in the

1 Responsibility of contents of the paper rests upon the authors and not upon the Editor & Publisher.