



KJ'S EDUCATIONAL INSTITUTES

TRINITY COLLEGE OF ENGINEERING AND RESEARCH PUNE

(Accredited by NAAC with B++ Grade Approved by AICTE & Affiliated to SPPU, Pune)
Sr. No. 25 & 27, Near. Khadi Machine Chowk, Kondhwa Annexe, Pune-48, Maharashtra

DEPARTMENT OF INFORMATION TECHNOLOGY

APF-24A	Project List	Academic Year: 2022-23
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Group No.	Roll No	Names of the Student	Title of the project	Guide Name
1	IT4067	SUTAR MAYUR BHARAT	Machine learning for Intrusion Detection	Dr. Sujeet More
	IT4026	JAGTAP TRIMBKESHWAR MANIK		
	IT4011	CHAVAN KARISHMA KISAN		
	IT4020	GANDAS DHANSHREE VIJAY		
2	IT4068	SYED IRAMSABAH ZAMEERODDIN	A hand gesture enabled device	Prof. Ishwari Raskar
	IT4059	SAYED FAZILA FARID		
	IT4039	MULANI FARAJ HASAN		
	IT4004	BANSODE ATHARVA MUKUND		
3	IT4051	PHALKE YOGIRAJ SURESH	Chronic kidney disease prediction	Dr. Sujeet More
	IT4047	PATIL RAJ KHEMCHAND		
	IT4041	PARMAR AYUSH MUKESH		
	IT4044	PATIL KULDEEP SHIRISH		
4	IT4046	PATIL OMKAR MAHESH	Recruit Me	Prof. Gajanan Arsalwad
	IT4043	PATIL HEMANT RAKESH		
	IT4006	BANSODE SHUBHAM SATYANARAYAN		
	IT4021	GAVHANE NITIN SANTOSH		
5	IT4073	WANKAR HIMANSHU SUDARSHAN	Property price prediction	Prof. Ayesha Sayyad
	IT4017	DIMBLE KALPESH LAXMAN		
	IT4015	DASGAONKAR PRATIKSHA MADHUKAR		
	IT4012	CHAVAN VAISHNAVI		



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		SHANTARAM		
6	IT4065	SONAWANE VIPUL SITARAM	Skin cancer detection	Prof. Ayesha Sayyad
	IT4010	BIRADAR ROHAN DNYANOBA		
	IT4032	KHAIRE PRAVIN NANASO		
	IT4013	DAKHANI SAYYAD ASAD S VAJID		
7	IT4035	LANDE AKSHATA BHARAT	Diabetic Retinopathy detection	Prof. Deepti Pande
	IT4022	GHOLAP BHAGVATI VALMIK		
	IT4057	SATHE SNEHAL SHIVAJI		
	IT4050	PHADTARE GAURAV MAHESH		
8	IT4030	KASTURE SHUBHAM SANDEEP	Skin Detection system	Prof. Deepti Pande
	IT4074	ZUHA S MOMIN		
	IT4061	SHAIKH SANIYA IDRIS		
	IT4008	BHATIYA SUNPREET RAVINDRA		
9	IT4024	HAMBIR NISHANT SANDEEP	Multi person detection	Prof. Ishwari Raskar
	IT4071	TODKAR SIDDHARTH DATTATRAY		
	IT4031	KENDRE AJAY MANOHAR		
	IT4007	BARDOLIA FAIZAN ILYAS		
10	IT4064	SHINDE VAISHNAV VILAS	Traffic sign detection	Prof. Richa Agarwal
	IT4048	PATIL VAISHNAV GOPAL		
	IT4063	SHELKE KIRAN VILAS		
	IT4062	SHELAR ANIKET MARUTI		
11	IT4034	KUDALE GAURANG PRAMOD	Automated subjective answer evaluation using NLP	Prof. Richa Agarwal
	IT4037	MALI NISHANT SHAHAJI		
	IT4005	BANSODE MUKESH GOVIND		
	IT4066	SURYAWANSHI NACHIKET MAHENDRA		
12	IT4055	SALUNKHE AKSHAY VITHOBA	Hate speech detection using	Prof. Bhaven
	IT4058	SATPUTE PRAYAG PRAKASH		



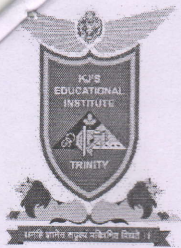
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	IT4009	BHOSALE ADITYA SHARADCHANDRA	machine learning	Doshi
	IT4023	GUJAR BHUPENDRA DEEPAK		
13	IT4036	MACHHA DIVYA BALAJI	Secure document storage and keyword search system using hybrid cryptography	Prof. Ishwari Raskar
	IT4001	AMRANIYA HARDI PRAKASHBHAI		
	IT4002	ATTARDE MAYUR SUNIL		
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14	IT4072	WALGUDE SHWETANK RAJESH	Plant disease detection	Prof. Gajanan Arsalwad
	IT4016	DHANE RUSHIKESH HANMANT		
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	IT4003	BAGAL RUSHIKESH PANDURANG		
	IT4045	PATIL KUNAL MILIND		
	IT4069	TADGE SANDESH SURESH		
18	IT4033	KOLTE RUSHIKESH BASAVANT	Credit card fraud detection using	Prof. Bhaven Doshi
	IT4054	RATHOD KRISHNAKUMAR		



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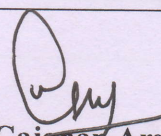
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		GAUTAM	Data Mining	
19	IT4025	JADHAV SHUBHAM PRAKASH	Real time credit card fraud detection system	Prof. Gajanan Arsalwad
	IT4029	KARALE SIDDHANT VIKAS		
	IT4052	PISAL SUJIT JITENDRA		
	IT4049	PAWAR OMKAR BALIRAM		


Dr. Sujeet More
Project Coordinator


Prof. Gajanan Arsalwad
HOD

Head
Dept. of Information Technology
Trinity College of Engg. & Research
Pune-411 048.

ABSTRACT

Natural Language Processing (NLP) is one of the important issue of concern in giving computers the ability to understand text and speech in much the same way human beings can. NLP can be used in subjective answer evaluation in various ways. One of the most common approaches is to use NLP techniques to automatically score the quality of a written response based on its language features, such as grammar, syntax, vocabulary, and coherence.

This can be done by training machine learning algorithms on a large dataset of human-scored essays or short answer responses, using the language features mentioned above as input features, and the corresponding scores as target values. The trained model can then be used to automatically score new responses based on their language features. Another approach is to use NLP techniques to analyse the content and structure of the response, in order to identify key concepts and arguments and assess their relevance and coherence with the question prompt. This can be done by using techniques such as topic modelling, sentiment analysis and text classification.

Overall, NLP can be a powerful tool for subjective answer evaluation, as it can help to improve the efficiency and consistency of the grading process, while also providing valuable insights into the language and reasoning skills of the students.

Keywords: Subjective Answer Evaluation, Natural Language Processing.

CERTIFICATE



This is to certify that the Project report entitled

“AutoEvaluate : Automated Subjective Answer Evaluation using NLP”

Submitted by

Nachiket Suryawanshi (B190658566)

Gaurang Kudale (B190658531)

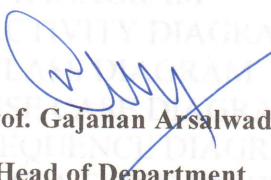
Nishant Mali (B190658635)

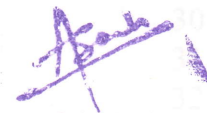
Mukesh Bansode (B190658505)

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Prof. Richa Agarwal
Guide


Prof. Gajanan Arsalwad
Head of Department


Principal
Dr. Abhijeet Auti
K.J.S. Educational Institute
Trinity College of Engineering & Research
S. No. 10, Pimpri Chinchwad-Saswad Road
Bopdev Ghat Pune-411 048

Internal Examiner Name:

Sign:

External Examiner Name: **Dr. D. S. Hirsolikar**

Sign: 

ABSTRACT

Crop diseases are a major threat to food security, but their rapid identification remains difficult in many parts of the world due to the lack of the necessary infrastructure. The combination of increasing global smartphone penetration and recent advances in computer vision made possible by deep learning has paved the way for smartphone assisted disease diagnosis. Using a public dataset of 2000 images of diseased and healthy plant leaves collected under controlled conditions, we train a deep convolutional neural network to identify Cotton crop species and 3 diseases (or absence thereof). The trained model achieves an accuracy of 82.35% on a held-out test set, demonstrating the feasibility of this approach. Overall, the approach of training deep learning models on increasingly large and publicly available image datasets presents a clear path toward Web based crop disease diagnosis on a massive global scale. The advance and novelty of the developed model lie in its simplicity; healthy leaves and background images are in line with other classes, enabling the model to distinguish between diseased leaves and healthy ones or from the environment by using deep CNN. Novel way of training and the methodology used facilitate a quick and easy system implementation in practice. All essential steps required for implementing this disease recognition model are fully described throughout the paper, starting from gathering images in order to create a database, assessed by agricultural experts, a deep learning framework to perform the deep CNN training. This method paper is a new approach in detecting plant diseases using the deep convolutional neural network trained and fine-tuned to fit accurately to the database of a plant's leaves that was gathered independently for diverse plant diseases. The advance and novelty of the developed model lie in its simplicity; healthy leaves and background images are inline with other classes, enabling the model to distinguish between diseased leaves and healthy ones or from the environment by using deep CNN.

KEYWORDS: Plant disease recognition, deep learning, computer vision, convolutional neural network

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This is to certify that the Project report entitled

“Plant Disease Detection Using Deep Learning ”

Submitted by

Musab Patel	(B190658541)
Anand Sasane	(B190658554)
Rushikesh Dhane	(B190658515)
Shwetank Walgude	(B150658563)

Is a bona-fide work carried out by them under the supervision of **Prof. Gajanan Arsalwad** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University for the award of the Degree of Bachelor of Engineering (**Information Technology Engineering**)

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**Prof. Gajanan
Arsalwad**
Guide

Prof. Gajanan Arsalwad
Head of Department

Dr. Abhijeet Auti

Principal
Principal Institute

K.J.'s Educational Institute
Trinity College of Engineering & Research
S. No. 25 & 27 Kondhwa-Saswad Road
Bamburda, Pune-411 048

Internal Examiner Name: **Prof. Gajanan Arsalwad** Sign:

External Examiner Name: **Prof. Samant Rahur** Sign:

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ABSTRACT

In the moment world, real estate is one of the most significant investments. In a megacity Like Mumbai, Chennai, Bangalore, or Pune which is the dream city of many peoples who wants to Work and settle in but before an individual invests their real hard-earned money in Real estate first the individual should know the real-time value. The main idea of the Project is to predict the current market price of real estate. The factor like carpet area, No. of bedrooms, no. of baths, balcony available or not, type of amenities, and type of area is taken into consideration. Using the XGBoost regression model the cost of different houses are predicted. This Project integrates data science and web development. This eliminates the middle brokers and creates a win situation for both the customers and seller.

Keywords: XGBoost regression model, Property Price Prediction Engine, Real estate, Data analysis, Machine learning.

XGBoost is an ensemble system that combines multiple decision trees to produce a more robust and accurate model. It's particularly useful in handling non-linear connections between input variables and property prices, making it an excellent tool for real estate valuation. The XGBoost algorithm can efficiently reuse information with multiple variables, allowing it a important fashion for prognosticating property prices. The project examines the impact of property prices on the GDP of India through machine learning algorithm XGBoost regression can play a pivotal part in prognosticating property prices directly. We estimate colorful input variables, including carpet area, number of bedrooms and bathrooms, deck, amenities, and area type, to make a dependable model. We'll also examine the performance of the XGBoost algorithm compared to other machine learning algorithms, like linear regression, decision trees, arbitrary timber, and neural networks, to assess its accuracy and effectiveness.

We'll estimate the XGBoost algorithm grounded on colorful performance criteria like mean absolute error, mean squared error, and R-squared to degree its effectiveness in prognosticating property prices. The study aims to emphasize the significance of using advanced machine learning ways like XGBoost for real estate investments, especially in megacities where property prices are largely unpredictable. Accurate valuation of property prices can help investors make informed opinions and contribute to the growth of the real estate request, which in turn, can have a positive impact on India's GDP. Impact of Property Prices on Gross Domestic Product (GDP) of India: The real estate sector has a significant impact on the Gross Domestic Product (GDP) of India. It's one of the swiftgrowing sectors in the country and has contributed to the growth of the Indian frugality significantly. The real estate sector contributes around 1.7% to India's GDP and is anticipated to reach \$ 1 trillion by 2024. The growth of the real estate sector has a multiplier effect on frugality, as it generates employment, spending and promotes the growth of other sectors like cement, sword, and construction. The increase in property prices in major metropolises like Mumbai, Chennai, Bangalore, and Pune has redounded in the growth of the real estate sector, still, the high property prices have also made it delicate for investors to make informed opinions while investing in the real estate request. The accurate valuation of property prices is pivotal for investors, as it enables them to make informed opinions while investing in the real estate request. Machine learning algorithms like XGBoost regression have been increasingly used to prognosticate property prices directly. XGBoost is an ensemble system that combines multiple decision trees to produce a more robust and accurate model. It's particularly useful in handling non-linear connections between input variables and property prices, making it an excellent tool for real estate valuation. The XGBoost algorithm can efficiently reuse information with multiple variables, allowing it a important fashion for prognosticating property prices. The project examines the impact of property prices on the GDP of India through machine learning algorithm XGBoost regression can play a pivotal part in prognosticating property prices directly. We estimate colorful input variables, including carpet area, number of bedrooms and bathrooms, deck, amenities, and area type, to make a dependable model. We'll also examine the performance of the XGBoost algorithm compared to other machine learning algorithms, like linear regression, decision trees, arbitrary timber, and neural networks, to assess its accuracy and effectiveness.

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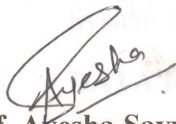
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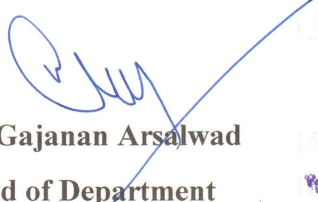
Submitted by

- Name: Himanshu Wankar (B190658573)**
- Name: Kalpesh Dimble (B190658516)**
- Name: Pratiksha Dasgaonkar (B190658514)**
- Name: Vaishnavi Chavan (B190658511)**


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Prof. Ayesha Sayyad
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K.J.'s Educational Institute
Trinity College of Engineering & Research
S. No. 25 & 27, Kondhwa-Saswad Road
Boodev Ghat Pune-411 048

Internal Examiner Name: 

Sign: 

External Examiner Name: 

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