Pune District Education Association's
COLLEGE OF ENGINEERING
(Approved by A.I.C.T.E New Delhi, Affiliated to Pune University, Pune.)
DEPARTMENT OF COMPUTER ENGINEERING.
Manjari Bk", Tal.- Haveli, Dist.-Pune.412307 (Maharashtra)
Ph. 020-26996275 Ext.- 230 Email : coehcomp@rediffmail.com

Ref. No. : COEM/COMP/2021/

Date : 5th Oct. 2021

To,
Dr. Sheetal Ashok Bhagwat
Ph.D.Computer
Assistant Professor,
Department of Computer Engineering JSPM's
Bhivarabai Sawant Institute of Technology &
Research, Wagholi, Pune.

Subject: - **Invitation for a Guest for online Lecture.**

Madam,

We are very proud to invite you as a **Guest** for **one-day online mode lecture on 'PL/SQL- Concept of stored procedure and functions, cursors, Exception handling'.** at P.D.E.A.'S College of Engineering Manjari(Bk.). Your profound knowledge in the field of Engineering and your motivational approach will help to participants understand challenges in professional & technological environment.

Details of the Seminar: -

PL/SQL- Concept of stored procedure and functions, cursors, Exception handling

Date: 6th Oct.2021
Venue: Online College of Engineering Manjari,
Pune- 412307

Thanking You,

Yours sincerely
Dr. R. V. Patil
Principal
Pune District Education Association's
College of Engineering Manjari (Bk.),
Pune - 412307.

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Ref. No. :

Date: 5th Oct. 2021

To,
Dr. Sheetal Ashok Bhagwat
Ph.D.Computer
Assistant Professor,
Department of Computer Engineering JSPM's
Bhivarabai Sawant Institute of Technology &
Research, Wagholi, Pune.

Subject: - **Thanks Letter**

Madam,

We are very much thankful to you for accepting our invitation for delivering Guest for one-day online lecture on 6th Oct.2021. We hope that you will find the experience personally rewarding for agreeing to attend in this wonderful opportunity to recognize talented, hard working young people.

Your Direction is worth for us in respective area.

Thanking You,

Date: 6th Oct.2021

Yours sincerely
Dr. R. V. Patil
Principal
Pune District Education Association's
College of Engineering Manjari (Bk.),
Pune - 412307.

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020-26996275 Ext.- 230 Email : coehcomp@rediffmail.com

Report on

"PL/SQL- Concept of stored procedure and functions, cursors, Exception handling"

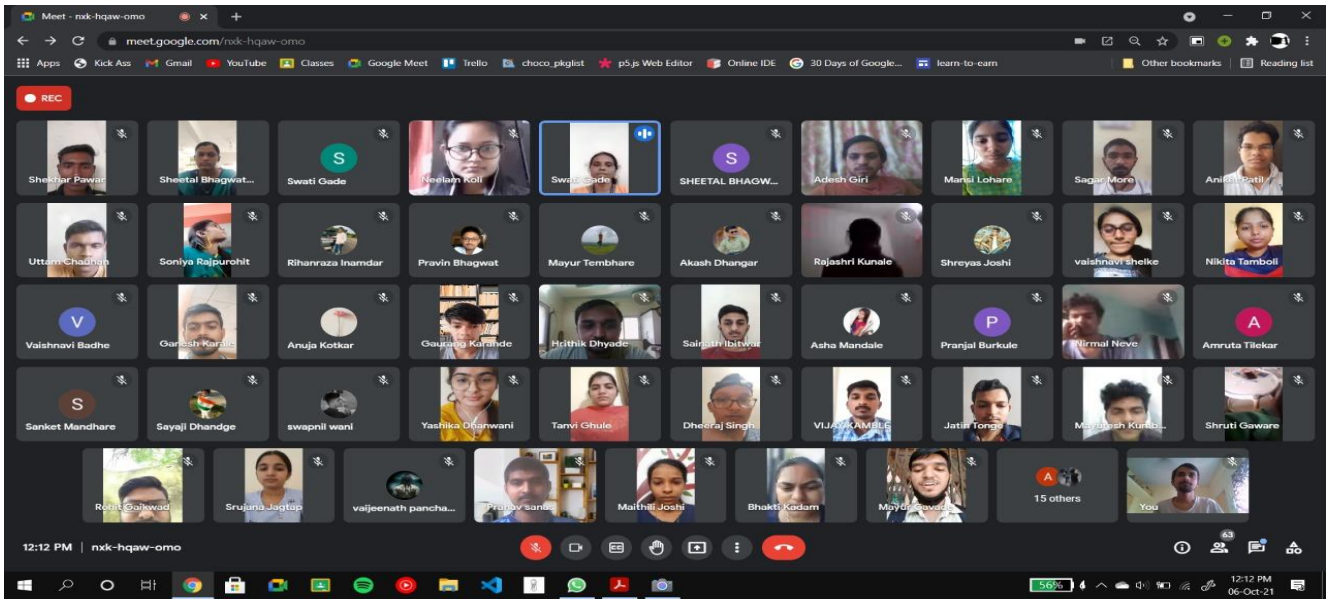
Date: 6th Oct. 2021

Resource Person :
Dr. Sheetal Ashok Bhagwat
Ph.D.Computer
Assistant Professor,
Department of Computer Engineering JSPM's
Bhivarabai Sawant Institute of Technology &
Research, Wagholi, Pune.

One day online gust lecture on **PL/SQL- Concept of stored procedure and functions, cursors, Exception handling** was organized by Department of Computer Engineering on 6th Oct. 2021.Prof. Swati Gade delivered the welcome address of guest of online Dr. Sheetal A. Bhagwant at 11.00 am in the presence of Hon. Principle Dr. R. V. Patil sir & staff members. She emphasized the need to design this online lecture and motivates the students to achieve the objective. The main aim of this online lecture is to enlighten the students about Database Management Systems. Dr. Sheetal A. Bhagwat madam started session at 11.00am. There were 76 students present from Computer and E&TC department. The speaker of event has delivered knowledge about the **PL/SQL- Concept of stored procedure and functions, cursors, Exception handling**.

In the end, Prof.A.A.Baminikar gave the vote of Thanks. She thanked Dr. Sheetal A. Bhagwat madam for sparing her time from her busy schedule and sharing her insightful and informative knowledge about PL/SQL concept of database management systems. She also thanked the coordinator of event for organizing such an event. She also thanked the participant for attending the session and making it a successful one.

. **PHOTOGRAPH**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Soniya Rajpurohit
Rihanraza Inamdar
Pravin Bhagwat
Mayur Tembhare
Akash Dhangar
Rajashri Kunale
Shreyas Joshi
vaishnavi shelke
Nikita Tamboli
Vaishnavi Badhe
Ganesh Karale
Anuja Kotkar
Gaurang Karande
Hrithik Dhyade
Asha Mandale
Pranjal Burkule
Nirmal Neve
Amruta Tilekar
Sanket Mandhare
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Yashika Dhanwani
Tanvi Ghule
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Jatin Tonge
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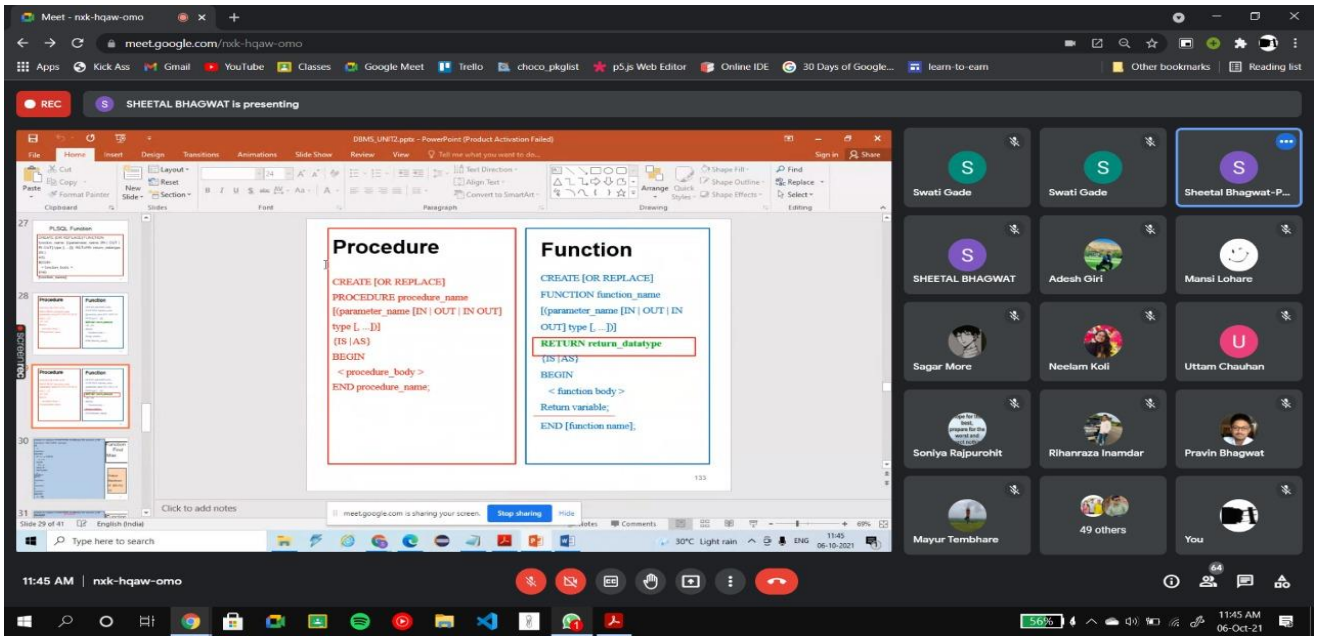
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SHEETAL BHAGWAT is presenting
Procedure
CREATE [OR REPLACE]
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[(parameter_name [IN | OUT | IN OUT]
type [, ...])]
{IS | AS}
BEGIN
< procedure_body >
END procedure_name;
Function
CREATE [OR REPLACE]
FUNCTION function_name
[(parameter_name [IN | OUT | IN
OUT] type [, ...])]
RETURN return_datatype
{IS | AS}
BEGIN
< function body >
Return variable;
END [function name];
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Swati Gade
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Mansi Lohare
Sagar More
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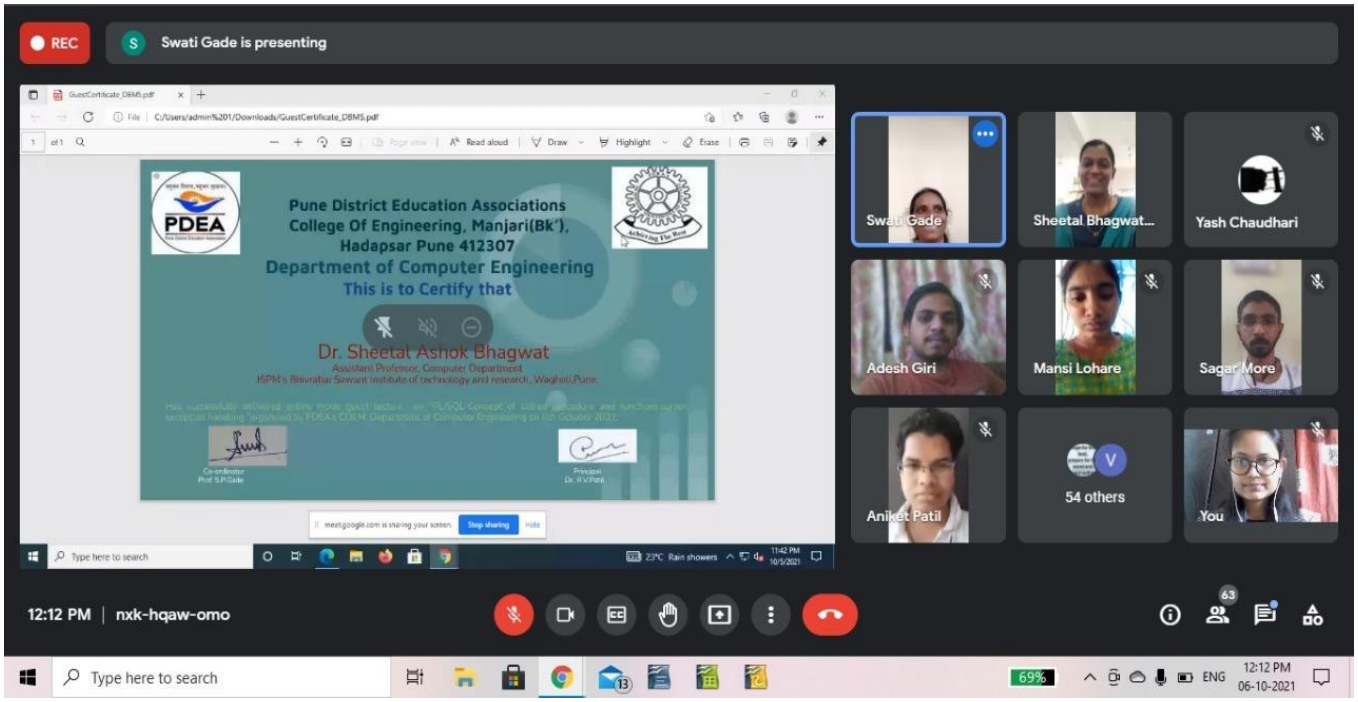

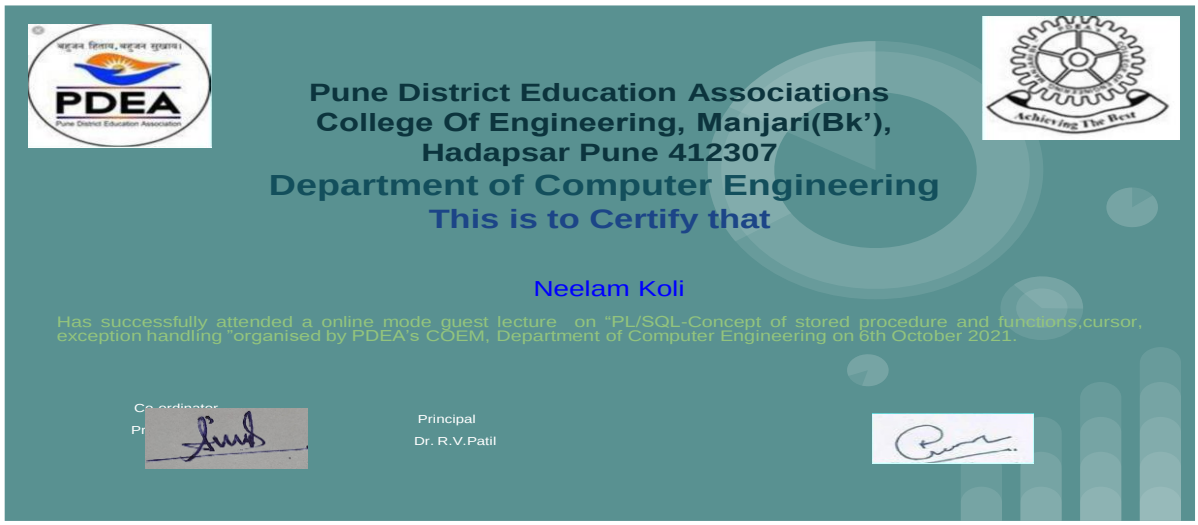

Event Co-coordinator

Prof. Swati Gade

	PDEA's College of Engineering Manjari (Bk.), Pune			
	Computer Engineering Department			
	BE Computer			
Subject : Project Work			**Academic Year : 2020-21**	
	Project Group Information			

Gr ID	Project Group	Domain Name	Title	Guide
1	**Hrishikesh kanojiya** **Nikita paytale** **Amit yadav** **Swapnil wagh patil**	**Big data**	Transaction Fraud Detection using Machine Learning	**Prof. R. B. Rathod**
2	**Ghorband Mahima** **Imale Divya** **Kadam Shivani** **Chambrakulangara Athira**	**Artificial intelligence**	An Image Encryption and Decryption using AES algorithm	**Dr. R. V. Patil**
3	**Akhilesh Bhayye** **Gaurav Kumar Singh** **Sanika Dhamnaskar** **Sandeep Patil**	**Machine Learning**	Credit card Fraud Detection System	**Prof. S. V. Phulari**
4	**Yash Kumar** **Gauri Raut** **Kajal Bora** **Arati Buddhihale**	**Artificial intelligence / IOT**	Robotic Virtual Assistant	**Prof. R. B. Rathod**
5	**Neha Jadhav** **Geeta Joshi** **Pratiksha Mane** **Rachana Kandhare**	**IoT (Internet of Things)**	Smart shopping using smart trolley	**Dr. M. C. Hingane**
6	**Pooja Gawate** **Ashwini Gund** **Akshata Salunke** **Sumit Kakade**	**Machine learning,AI**	Curriculam Learning for Speech Emotion Recognition from Crowdsourced Labels	**Prof. N.D.Sonawane**
7	**Pranita Dalavi** **Nikita Bhosale** **Pooja Girme** **Payal Deshmukh** **Mohini Pansare**	**Digital Image Processing**	A Face Emotion Recognition Method Using Convolutional Neural Network and Image Edge Computing	**Prof. S. V. Phulari**
8	**Pratiksha Dilip Shinde** **Aishwarya G Kalbhor** **Manali Anil Rahinj** **Deepali Babasaheb Kakade**	**Internet of Things**	Automation in Agriculture and IOT	**Dr. M. C. Hingane**
9	**Vaibhav N. Patil** **Sujyot Butale** **Pratik Nimbale** **Omkar Ware**	**Internet of Things**	Milk Monitoring system using IOT	**Prof. S. M. Bhadkumbhe**
10	**Madhuri Babasaheb Kadam** **Sachin Anil potre** **Priti Vishnu choudhari** **Pratiksha Sanjay Jadhav**	**Web application**	Modern E-store for fruits and Vegetables	**Prof. A. A. Bamanikar**
11	**Sul Pratik Vilasrao** **Thite Nilesh Bajirao** **Phutane Abhishek A**	**Machine Learning**	Smart Crop Prediction System	**Prof. S. M. Bhadkumbhe**

	Sutar Tejpal B **Shubham Khatavkar**		System	**Bhadkumbhe**
12	**Yugandhara chaudhari** **Vishakha pundge** **Vaishnavi wayal** **Anshuja kumbhar**	**Cloud computing**	Sdata Security of Dynamic and Robust Role Based Access Control from Multiple Authorities in Cloud Environment	**Prof. N.D.Sonawane**
13	**Sidharth Gupta** **Sayalee Pawar** **Tushar Kale** **Prashant Gaikwad**	**Web application**	LMS Structured E/M learning platform	**Prof. A. A. Bamanikar**
14	**Swapnil sawant** **Atharva Shrotre** **Abraar Khan** **Nitin kale**	**Cloud computing/Iot**	Secure File Transfer on Cloud with Encryption	**Prof. S. M. Bhadkumbhe**
15	**Sachin Jain** **Pramod Dorle** **Mohan More** **Renuka Pawar**	**Web application**	OCR Compiler	**Prof. A. A. Bamanikar**

Project Cordinator
Prof. R. B. Rathod

HOD
Dr. R. V. Patil

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Secure File Transfer on Cloud with Encryption

Niteen Kale[1], Abraar Khan[2*], S. M. Gadhe[3], Atharva Shrotre[4], Swapnil Sawant[5]
[1,2,4,5]*Student, Department of Computer Engineering, PDEA's College of Engineering, Pune, India*
[3]*Professor, Department of Computer Engineering, PDEA's College of Engineering, Pune, India*

***Abstract*: In this paper, we aim to securely transfer files on the cloud in a manner that preserves data confidentiality, integrity and ensures availability. The rapidly increased use of cloud computing in many organizations and IT industries provides new software at a coffee cost. Cloud computing is useful in terms of low cost and accessibility of knowledge. Cloud computing gives tons of advantages with low cost and data accessibility through the web. Ensuring the safety of cloud computing may be a major thing about the cloud computing environment, as users often store sensitive information with cloud storage providers, but these providers could also be untrusted. So, sharing data in secure form while preserving the info from a source that's not trusted remains a challenging issue. Our approach ensures the safety and privacy of client-sensitive information by transferring data across one cloud, using the AES algorithm, etc.**

***Keywords*: cloud computing, cloud security, cryptography, encryption/decryption techniques, AES algorithm, amazon s3 bucket.**

1. Introduction

This project has an AWS cloud that's accessible to all or any, a system that has the means to transfer data and every one information, an internet site for users to access the landing page to transfer the files through the cloud. The cloud is often accessed through the web from anywhere. The users need to visit the system page where the user can transfer files. The cloud also will provide security to all or any files transferred.

1) Statement of the problem

Customer transfers or shares data at cloud service providers are susceptible to various threats. In our work, we consider four sorts of threat models. First is that the single point of failure, which can affect the info available that would occur if a server at the cloud service provider failed or crashed, which makes it harder for the customer to retrieve his stored data from the server. Availability of knowledge is additionally a crucial issue that would be affected if the cloud service provider (CSP) runs out of service. Our second threat is data integrity. Integrity is that the degree of confidence that the info within the cloud is what's alleged to be there, and is protected against accidental or intentional alteration without authorization. Security may be a necessary service for the wired network also as wireless network communication to enhance what was offered within the cloud. Simply storing the knowledge on clouds solves the matter isn't about data availability, but about security. Most of the companies that have held back from adopting the cloud have done so within the fear of getting their data leaked. It's also a third-party service, which suggests that data is potentially in danger of being viewed or mishandled by the provider. It's only attributed to doubt the capabilities of a 3rd party, which looks like a good bigger risk when it involves businesses and sensitive business data. Several external threats can cause data leakage, including malicious hacks of cloud providers or compromises of cloud user accounts.

2. Literature Review

1. *Secure File Storage on Cloud Using Hybrid Cryptography Algorithm - Uttam Kumar, Mr. Jay Prakash:* Cloud is employed in various fields like industry, military, college, etc. for various services and storage of giant amounts of knowledge. Data stored during this cloud are often accessed or retrieved at the user's request without direct access to the server computer. But the main concern regarding the storage of knowledge online that's on the cloud is Security.
   Disadvantage: The System may get slower encryption and decryption thanks to multiple algorithms.
2. *Secure File Storage in Cloud Computing - Hrithik Dhakrey:* We aim to supply cloud security for securely store information into the cloud, by splitting all the info into sub-data or chunks, we offer data confidentiality, integrity and ensures availability. In present days cloud computing is increasing uses by almost every organization and IT industry. Cloud computing may be a benefit in terms of low cost and availability of knowledge through the web.
   Disadvantage: The speed of encryption and decryption may vary counting on file size.
3. *Review of Secure File Storage on Cloud using Hybrid Cryptography - Shruti Kanatt, Amey Jadhav, Prachi Talwar*: In this system, the user uploads a file to the portal, it gets encrypted then uploaded onto the cloud. The user can then download their files from the cloud through the portal, which ends up within the decrypted (or original) file getting downloaded to their local computer. The system also uses AES and RSA algorithms.
   Disadvantage: The process is sort of time-consuming as there are multiple algorithms involved.
4. *Development of Secure File Storage on Cloud using Hybrid Cryptography - Sahana Bisalapur, Ninad Patil, Rahul R., Rushikesh Tarale, Sanket Honashetti, and Prof. S.G.*

*Corresponding author: iamabraarkhan@gmail.com

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Smart Crop Prediction System using Machine Learning

Prof. S. P. Gade[1], Pratik V. Sul[2], Nilesh B. Thite[3], Tejpal B. Sutar[4], Abhishek A. Phutane[5], Shubham D. Khatavkar[6]
[1]*Assistant Professor, Department of Computer Engineering, PDEA's College of Engineering, Pune, India.*
[2, 3, 4, 5, 6]*Students, Department of Computer Engineering, PDEA's College of Engineering, Pune, India.*

Abstract: ***Agriculture is the backbone of our country. Agriculture is the primary source of livelihood for about 58% of India's population. It plays an important role in Indian economy as it contributes about 17% to the total GDP and provides employment to over 60% of the population. The common problem which is faced among the Indian farmer is that they don't choose the proper crop based on their soil necessity. Because of this the production of crop is affected.***
The downside of nearly all farmers is solved by adapting latest technologies like machine learning, in this predicting the crops based on the kind of soil, climate condition, temperature, humidity, moisture, pH scale, price of soil, rainfall etc. Numerous machine learning techniques like prediction, classification, regression, and clump are used to forecast crop yield. Artificial neural network, support vector machines, linear and logistic regression, decision tree, Naïve Bayes are some of the algorithms implemented for the prediction. The idea of this paper is to implement the crop choice such that this methodology helps in working out many agriculture and farmers issues. This improves our Indian economy by maximizing the yield rate of crop production.
Keywords: Machine learning, crop selection, RandomForest.

I. INTRODUCTION

Agriculture is one of the greatest riches we have. However, in particular in developing countries, techniques used require a lot of physical effort. In recent years, thanks to information technology, agriculture has been enhanced. This leads to Precision Agriculture, which is a farming management concept based on observing, measuring and responding to inter and intra-field variability in crops. Here we use Machine Learning (ML), a branch of Artificial Intelligence (AI, to estimate an agricultural yield production. New kinds of hybrid varieties are produced day by day. However, these varieties do not provide the essential contents as naturally produced crop. These unnatural techniques spoil the soil. It all leads to further environmental harm. Most of these Unnatural techniques are used to avoid losses. But when the producers of these crops know the accurate information on the crop yield it minimizes the loss. To achieve this project is made. Using past information on weather, temperature and several other factors the information is given.

II. LITERATURE REVIEW

In [1] M. Kalimuthu, P. Vaishnavi, M. Kishore, have concluded that the seed is predicted as an output for the given input parameter. source of sunlight and crop health are monitored at regular intervals and it is also taken into the account for achieving a better crop yield. The algorithm used is Naïve Bayes Gaussian classifier. The disadvantage is accuracy is less.
In[2]Aruvansh Nigam, Saksham Garg, Archit Agrawal, Parul Agrawal, have concluded that machine learning algorithms for predicting the yield of the crop on the basis of temperature, rainfall, season and area. Experiments were conducted on Indian government dataset and it has been established that Random Forest Regressor gives the highest yield prediction accuracy. Sequential model that is Simple Recurrent Neural Network performs better on rainfall prediction while LSTM is good for temperature prediction. By combining rainfall, temperature along with other parameters like season area. The algorithms used are Random Forest Regressor, Simple Recurrent Neural Network, long short-term memory(LSTM). In [3] Potnuru Sai Nishant, Pinapa Sai Venkat, Bollu Lakshmi Avinash, B. Jabber, have concluded that the performance metric used is Root mean square error. When the models applied individually, for ENet it was around 4%, Lasso had an error about 2%, Kernel Ridge was about 1% and finally after stacking it was less than 1%. The algorithm used is stacked regression.
In [4] Shivani S. Kale, Preeti S. Patil, have concluded that the proposed model with backpropagation is trying to reduce MSE by using RELU activation function and gradient decedent. The Learning rate for each layer is kept constant i.e. 0.001. As they increase number of epoch's error will get reduced. This result is used as input for deciding success rate of the crop over another crop. The best crop will be suggested to the farmer depending on the district and weather. The algorithm used is neural network. The disadvantage is less accuracy for crop prediction.

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Milk Monitoring System

Vaibhav Patil, Sujyot Butale, Pratik Nimbale, Omkar Ware,
Keshav Malkhede, Prof.S.M.Bhadkumbhe

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Department of Computer Engineering
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ABSTRACT

The milk is the dietary fluid secreted by the mammary gland of mammals. The high quality milk should have better density and is free from the adulterants. Milk is most commercially sold commodity both by local vendor's as well super markets. However in local areas to increase the yield certain adulterants are added which may affect the nutritional quality of milk. Milk adulteration is a social problem. It exists both in the backward and advanced countries. Consumption of adulterated milk causes serious health problems and a great concern to the food industry. The Country milk producers and consumers facing problem to find the quality of milk, accept the fair of price and consumption. So it is necessary to ensure the quality of milk by measuring type and amount of adulterants that are added to the milk. This project is implemented using ESP8266 Wi-Fi microcontroller. All the sensors like temperature, PH level, gas sensor and buzzer for alert generate are combined to form compact and flexible system which analyze and classify the quality of milk into different grades and finally output displayed on admin screen. Problem faced in small diaries and by the individuals can be prevented by detecting the quality of milk, and prevent from causing the hazardous diseases by detecting the adulteration of milk.

Keywords: ESP8266 controller, Ph Sensor, Temperature sensor, Gas Sensor, Milk Monitoring

ARTICLE INFO

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I. INTRODUCTION

Milk is a pale liquid produced by the mammary glands of mammals. It is the primary source of nutrition for infant mammals before they are able to digest other types of food. Early lactation milk contains colostrums, which carries the mother's antibodies to its young and can reduce the risk of many diseases. The principal constituents of milk constitutes of carbohydrate, fat, protein, vitamins and minerals, enzymes etc. The composition of milk varies considerably with the breed of cow, stage of lactation, feed, season of the year, and many other factors. However, some relationships between constituents are very stable and can be used to indicate whether any tampering with the milk composition has occurred. Milk is an emulsion or colloid of butterfat globules within a water-based fluid that contains dissolved carbohydrates and protein aggregates with minerals. Because it is produced as a food source for the young, all of its contents provide benefits for growth. The principal requirements are energy (lipids, lactose, and protein), biosynthesis of non-essential amino acids supplied by proteins (essential amino acids and amino groups), essential fatty acids, vitamins and inorganic elements and water.

In recent years, there are three major problems namely food safety, human safety and water safety. Our project is choosing to the food safety. Now a day, the need of milk for children is very important that providing good quality milk by milk quality tester. This project consists of temperature sensor can be used to measure the temperature in the milk. The pH sensor can be used to measure the pH of the milk. It also display whether milk is edible or not. LCD interfaced with microcontroller to display the value of temperature, pH in the milk. Milk is a white liquid produced by the mammary glands of mammals. It is the primary source of the nutrition for young mammals before them able to digest other types of food. As an agricultural product, milk is extracted from mammals during or soon after pregnancy and used as food for the humans. Throughout the world, more than 11 billion consumers of milk and milk products are there and 70% of child deaths every year are attributed to malnutrition. Thus milk is a major food for the infants. Milk

