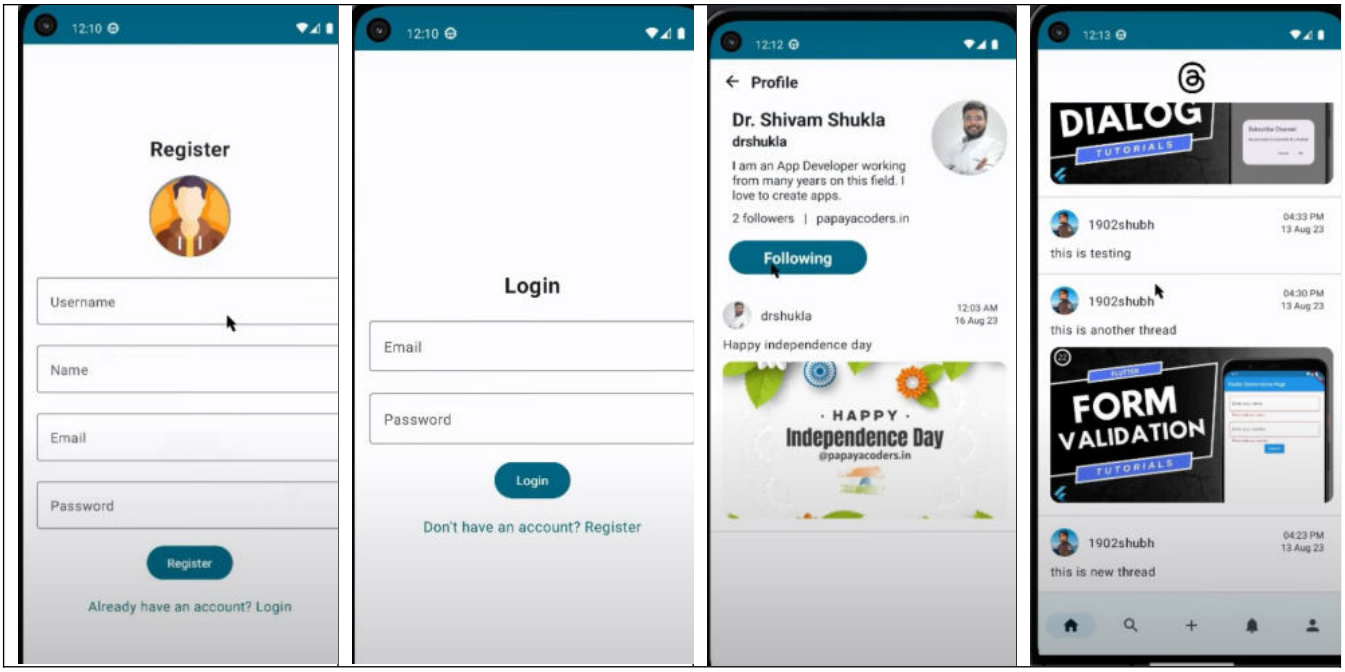
LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL

CICADA COLLABORATIVE APP

(By: Diti Maurya)

Project Description & screenshots

This collaboration app helps students connect across different subjects. It goes beyond traditional academic limits, letting students find like-minded peers based on skills and interests. The app empowers students to showcase their abilities, find compatible collaborators, and work on projects together. With Firebase as its strong backend, it ensures a smooth and easy user experience.



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GO EASY HOME CARE SERVICES

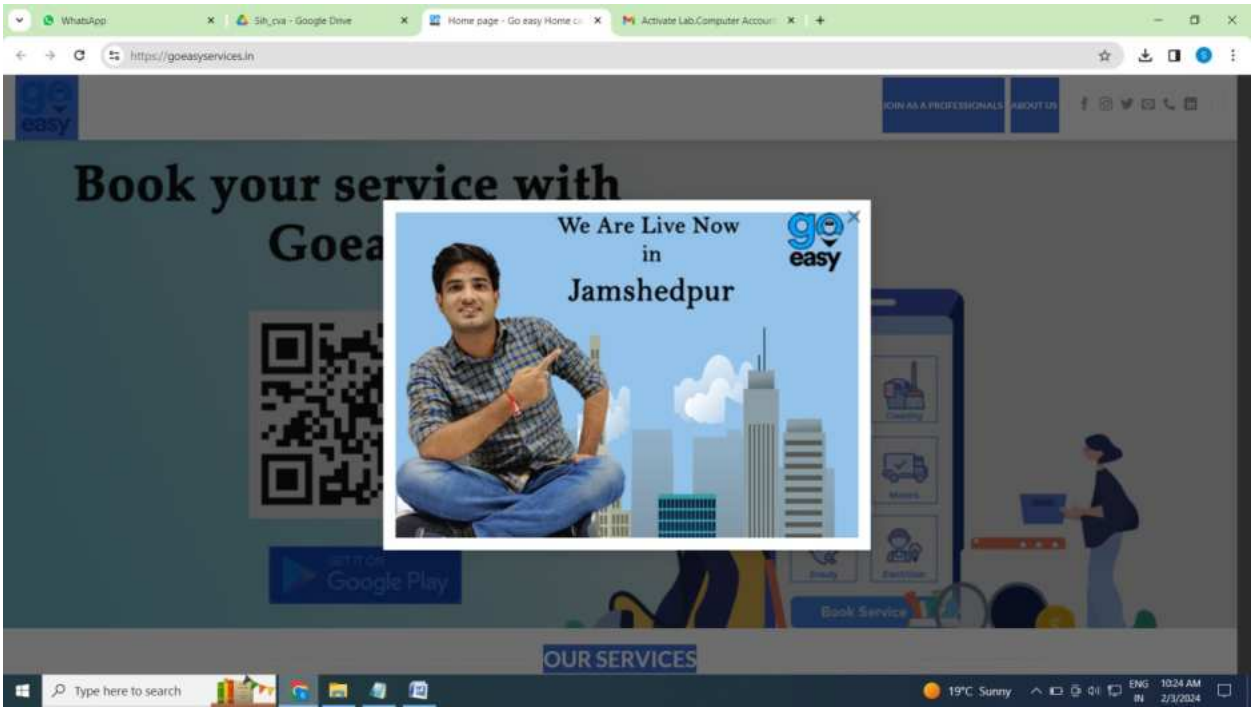
(By: Varun Vyas)

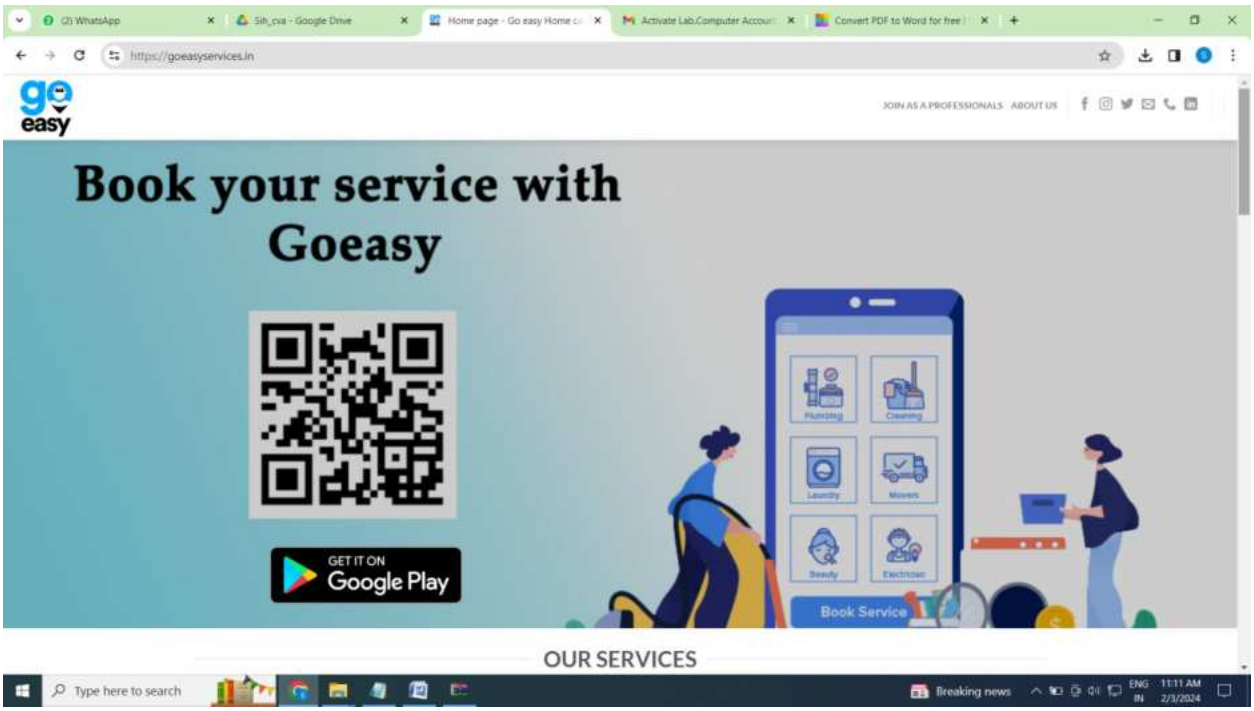
Project Description & screenshots

Goeasy home care services are the largest home services platform in Bhopal. The platform helps customers book reliable home services like beauty services, cleaning, plumbing, carpentry, appliance repair, painting, etc. The company's vision is to empower millions of service professionals across the world to deliver services at home like never seen before. The company partners with tens of thousands of service professionals, helping them with training, credit, product procurement, insurance, technology, etc

OUR SERVICES

Goeasy home care services provide a platform that allows skilled and experienced professionals to connect with users looking for specific services. All the professionals, though experienced and skilled, undergo intensive training modules before being allowed to list their services on the platform. Once on the platform, our match-making algorithm identifies professionals who are closest to the users' demands and available at the requested time and date.

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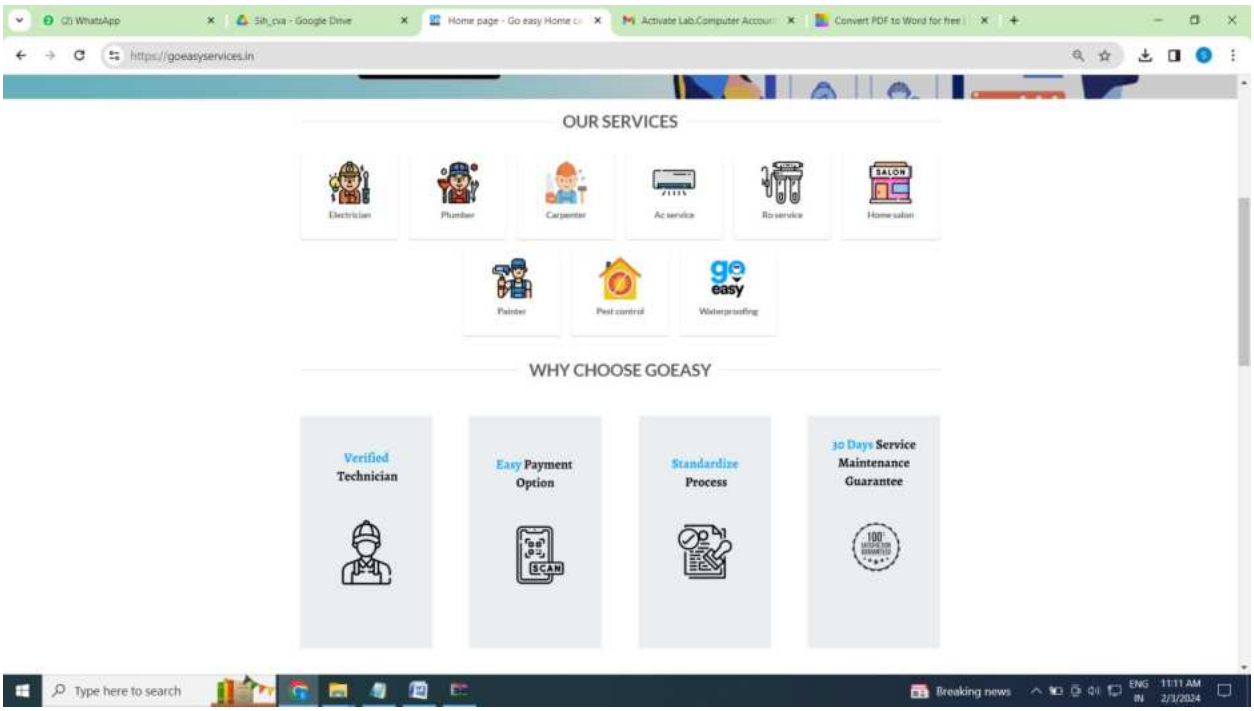
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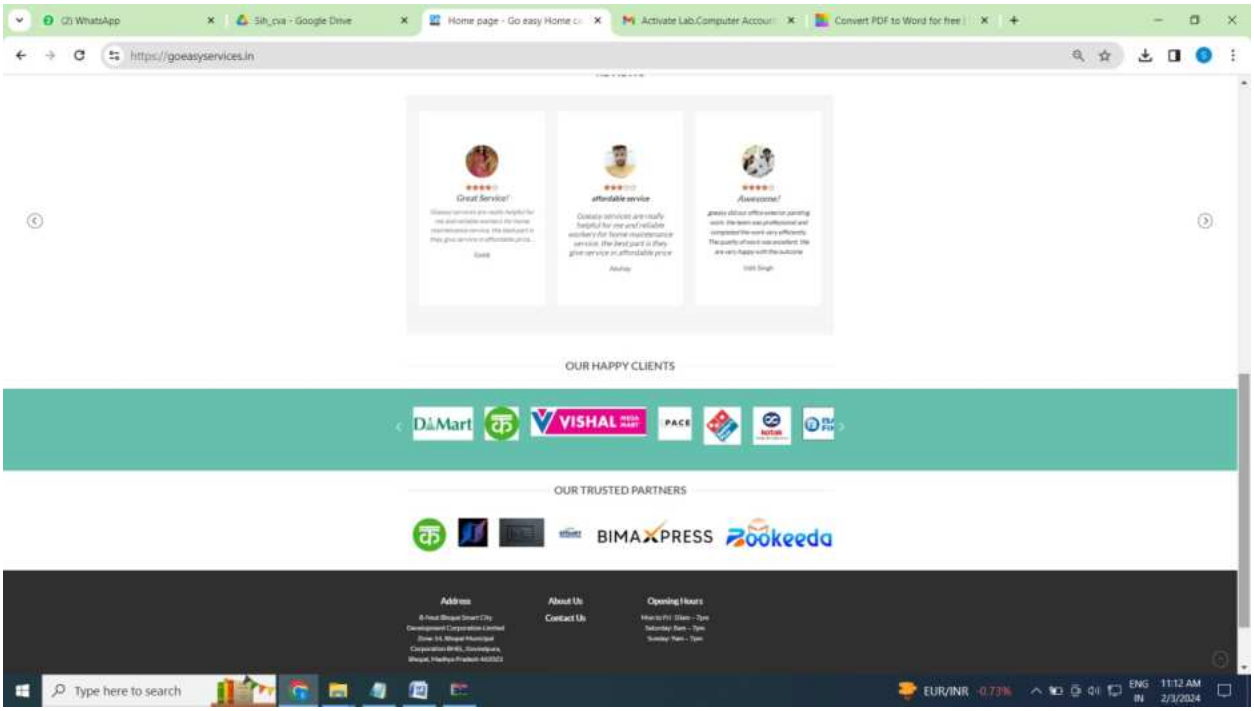
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QUIZ SOFTWARE

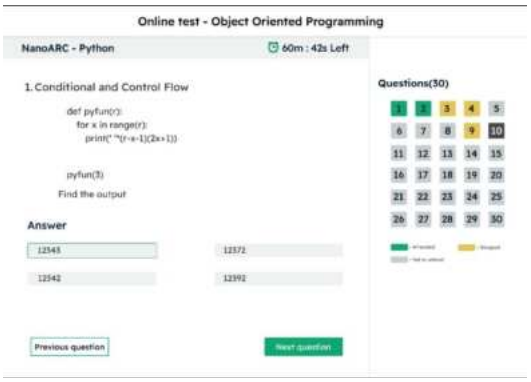
(By: Devansh Pandey and Bhuvnesh**)**

Project Description & screenshots

We have successfully built a quiz portal at no cost using HTML, CSS, JavaScript, ReactJS, and Firebase. The combination of these technologies provides a powerful platform for conducting quizzes and coding tests. Notably, this portal has been adopted by your college for many purposes, indicating its value within the educational sector.

Within college we conducted some quizzes , and this software was also used in one college level event i.e Codebeta . In this event students from various college participated in the coding round which was held on our software . There were around 400 students and software was very seamless to handle all such activities . We also use backend as firebase to handle all activities from our side this includes storing of all important data and using it wisely .

This was built using popular tech stack which is - HTML , CSS , REACTJS , FIREBASE , VANILA JS and this was costless .



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BINARY BOMBER'S (Drone)

(By: Nayan Vishwakarma)

Project Description & screenshots.

Introduction of project a multi-purpose drone that help in fetching the details of unknown areas delivering medicines and food items with use of IOT and artificial intelligence that helps in detection of humans terrain and certain objects from far distance this enables us to ensure monitoring of people and ammunition at certain unreachable remote location with the help of machine learning which help in gathering information and coordinates in real time. Due to presence of thermal imaging sensor and AI integration many physical natural barriers are not an issue for hidden object apart from flying this drone can able to work on land.

This drone have a special feature which is commonly called cruise control which means the drone will adjust itself in the absence of user that is if the connection get lost the drone gives real-time location to the user via safe secure path the component of the drone is ESP32 Wi-Fi module, GPS, ultrasonic sensor, camera and they combine work to produce the relevant output.
The GPS of the drone help us to track the location of the drone as per the software part we are using opencv which is a library of python programming language for the detection of human object by the use of harrcascade classifier we trained our software by making the dataset of the desired object which is import the opencv program by object detection and we can also detect the faces with their names and identity this is the three-dimensional view of the drone the drone body consists of various components which are discussed here the drone body is made up of abs plastic which is lightweight and flexible a drone consists of four brushless motors of 7000 rpm each other four motors will be installed for the ground clearance and all land compatibility the drone consists of flight controller which controls the brushless motors the two blade propellers are used in order to produce a great thrust for the power supply rechargeable lipo batteries are used for communication between the drone and the user by em waves
https://www.youtube.com/watch?v=xbM2rGcwRio

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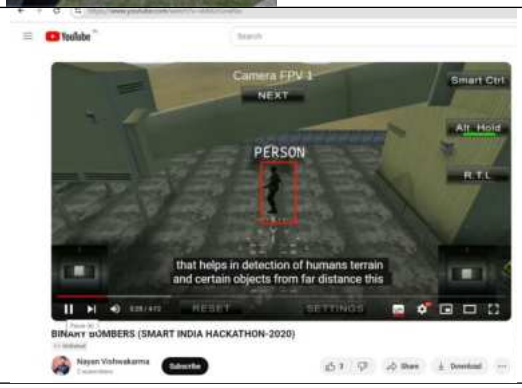
<td> 
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GOGO ASSISTANT

(By: Pratish Shrivastava)

Project Description & screenshots.

GOGO ASSISTANT

Team Name : GOGO ASSISTANT
Institution Name : LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE
Sub Category Name : MENTAL HEALTH AND PSYCHOSOCIAL SUPPORT

Our project is gogo assistant, which is a virtual assistant that will help you to reduce depression, that helps in changing the automatic negative thoughts that can contribute to and emotional difficulties, depression, and anxiety causes you to overcome the mental illness and makes you happier and motivated in your normal life. gogo is using CBT, which is a common therapy that helps the user to get motivated. gogo users can apply new ways of thinking better and help you track your analysis in real time.

This product can works on mental illness hospitals, by psychotherapist, also by an individual. we make our gogo assistance so simple and user-friendly that can just talk and communicate with you by simple commands with your own language.

- It will track your day-to-day mood.
- Helps u to analyze your mental health.
- It takes your mood session. time to time so that you don't feel depressed and It makes you feel motivated as a normal human being.
- It can talk like humans also it can understand your mood.

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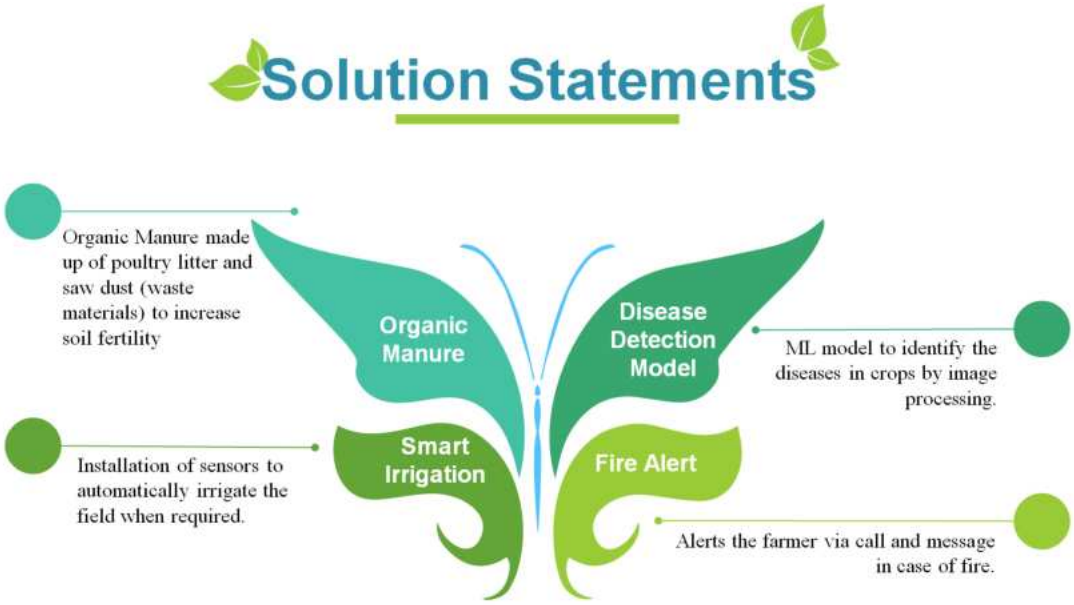
SMART SOLAR TRACKER

(By: Abhishek Jain Team)

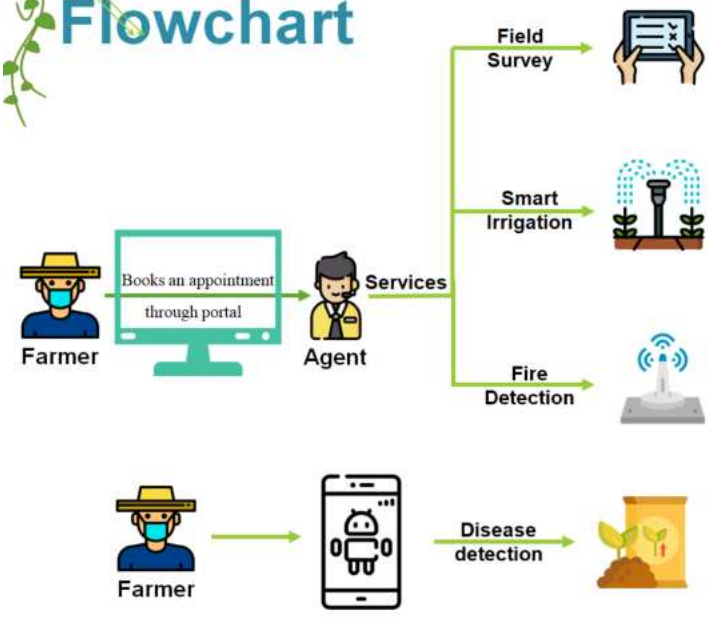
Project Description & screenshots.



Organic Manure

- Our IOT based machine collects the data of the farmer's field and estimates the amount of manure required for that field.
- Our organic manure is prepared by major proportions of sawdust, poultry litter, other nutrients & minerals according to the requirements of the field.
- Since the field was earlier treated by chemical fertilizers, the method of processing the field spans across multiple stages to maintain proper yield.

Flowchart



- Agent checks the field's mineral concentration using our kit.
- Provides detailed summary about nutrient levels in field.
- Advises about appropriate measures.

Installation of smart irrigation system which irrigates those parts of field which contains less water content.

Installation of fire sensors in the field to alert the farmer to extinguish the fire.

The farmers will upload the URI of photos and send it to the server and will get information about the type of the disease.

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DOI: 10.2174/9789815036244122010010
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Abstract
Rice is the staple food crop of a large population spread worldwide, today and in the past. Millions of people are dependent on rice for an active and healthy lifestyle. A smart and sustainable world is a pictograph that will come into reality with an abundance of quality food for humankind. Smart precision agriculture leading to the fulfillment of high-quality food is a challenge for many researchers. In the same series of thoughts, this chapter proposes a Smart App using Deep Learning that helps diagnose the rice crop disease to avoid failure of the crop. This chapter demonstrates an easy to handle, farmer-friendly mobile app, with the help of which farmers can take pictures of crop leaves as soon as some abnormality is observed. The app may then analyse the crop
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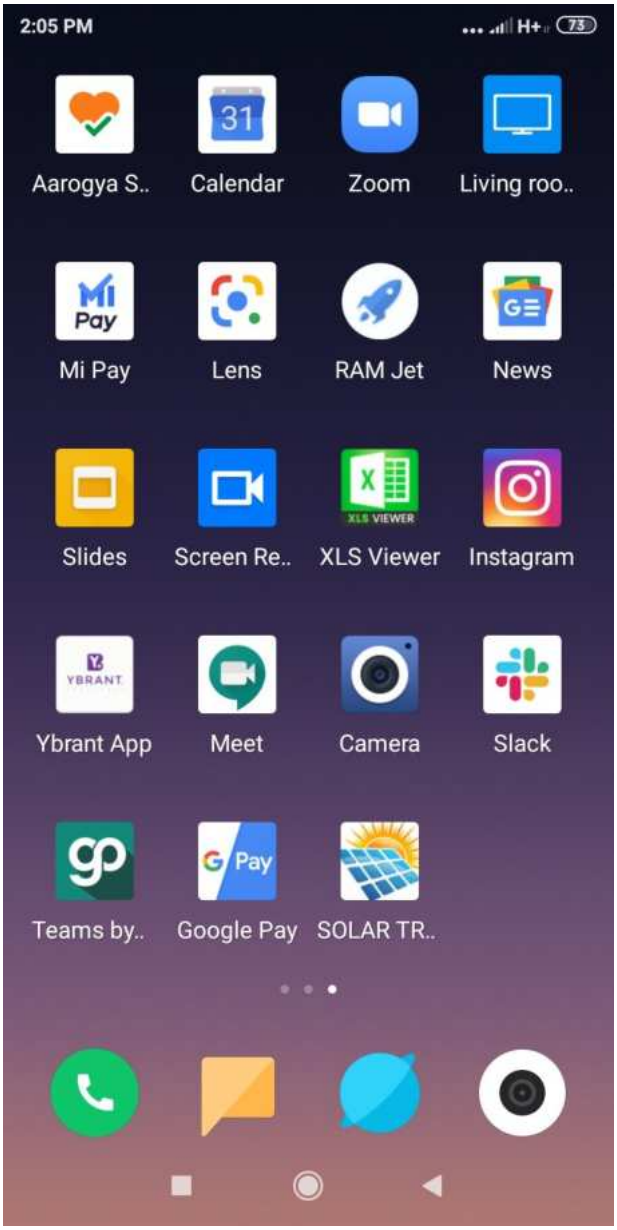
LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL

SMART SOLAR TRACKER

(By: Dr. Megha Kamble)

Project Description & screenshots.

A Smart solar tracker app is a mobile application designed to optimize the efficiency and output of solar panels by dynamically adjusting their orientation to maximize exposure to sunlight throughout the day.



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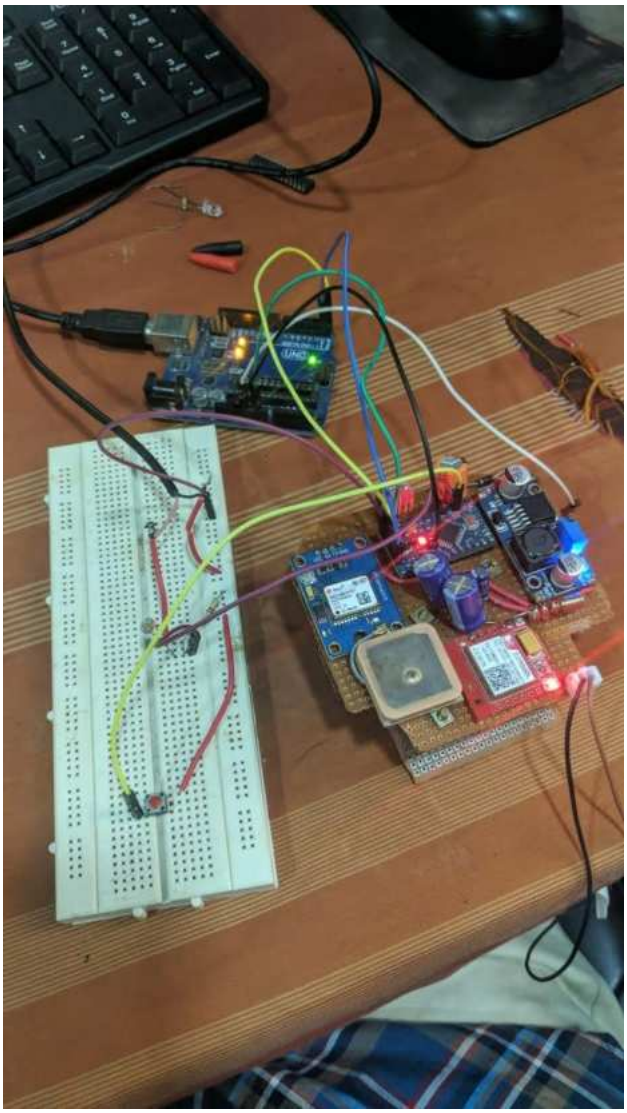
IOT BASED SMART FERRY SYSTEM

(By: Aditya Mandil)

Project Description & screenshots.

An IoT based smart ferry system refers to a ferry transportation system that incorporates internet of things technology to enhance its operations , safety and efficiency. It is useful for Real-Time monitoring, data transmission, remote diagnositics, optimization operation and safet and security.

Leverages the power of connected devices and data analytics to improve the efficiency , safety and passenger experience of ferry transportation.