



**Team Leader
&
Project Title**



**Brief Idea
Description**

Sushobhit Kumar

HARI TARKARI

In this era everyone want to get quality products for themselves and saves both time and money. We are introducing a new way to buy vegetables and fruits. Here we decided to sell vegetables and fruits online, we will buy fresh vegetables directly from farmer and deliver to the doorstep of peoples.

By this we can cut some of the cost and can increase the farmers earning also as in our country farmers gets paid very low for their hardwork, as this will also decrease the price of vegetable to some extent that will benefit our customers also. We are planning to sell fresh vegetables as we will buy them within 1 day of harvesting and try to sell it the same day in order to keep it fresh. As eating fresh vegetables are healthy for us. Our startup will also help people who work a lot and doesn't get time for buying vegetables and eats junk food.

Our main aim is to provide fresh vegetables to our customers.

Ajay Kumar

Stubblewood

As we know that India is a forming country and about 50-70% of its population depends upon agriculture for their livelihood. So there are large varieties of cereal crops that are grown here. But, a major problem that comes along with this is that production of large quantity of stubble which is not more usefully for farmers.

However it is use for feeding but the quantity is so large that it cannot be easily decomposed. So, many farmers started burning it & then mixing it in soil. But due to this many negative impact harmful for ecosystem & our environment as follows-

- 1. Its causes widespread air pollution*
- 2. Due to this many important soil micro organism are killed.*
- 3. Due to this in Delhi NCR the pollution level increased.*

And it's also caused of giving many diseases. The solution to above problem is that we can use stubble (like engineering material) to make plywood, cup & plate which are eco friendly & pollution less.

Manshi Tomar

*A NEW INNOVATION IN
DEALING WITH
AGRICULTURAL WASTE*

Noise pollution has negative impact on ecosystem. Our research aims to investigate the possibility of using agricultural wastage such as sugar-cane husk as sound absorbing material.

Tatvabodh Arya



Tatva Fitness Town

Tatva Fitness Town is basically an amalgam of services and manufacturing unit to help people attain their desired health goals. The basic aim is to act as a third party system between experts and customers when it comes to services by connecting customers with experts and in case of manufacturing; to act as a global producer of medicines and resources to aid people. The ultimate aim is to provide a door-to-door service to people and at the same time also to connect them to create a global health platform.

Shudhanshu Kumar

*DEVELOPMENT IN
HEALTH CARE*

Develop a healthcare system which will delicately work for providing medical help in less time in rural areas of India. Usage of mobile clinic can also be appreciated as mobile clinic brings free high-quality healthcare directly to communicate who lack access to basic health services. Mobile clinics are customized vehicles that travel to heart and provide prevention and health care facilities.

Free assistance to the pregnant ladies: -

At the time of pregnancy a woman needs to consult her doctor a number which is quite expensive.

This expense can be breached by providing free health care assistance to pregnant women.

Sourabh Kumar



Space Based Solar Power

By this project we convert the solar energy of the sun to electrical energy in more efficient way. Renewable energy sources are the need for sustainable development and also to preserve the energy source for future generations. And this project is forward step in these area. This system extract energy from the sun on more efficient way and also it is reliable as compared to other conventional systems.

RISHAV KUMAR

*IoT Based Smart
Energy Meter*

Current Problem in Industry:

Out of 2lakhs MW Energy Generated in India, 40% of the bills are unpaid, around one forth is stolen or lost in transmission. Manual Reading and traditional billing is inaccurate, time consuming, costly, requires man-labour cannot detect theft of electricity at a particular place.

Proposed Solution:

This energy meter is intended to monitor real power consumption to reduce stealing energy illegally & reduce labour. Our device can be attached with any type of energy meter without tampering its seal as tampering the seal is not allowed by govt of India. Consumer can control equipment at his residence by simply sending SMS through his mobile phone and also monitor the regular usages (units) of energy to save money & energy. We can also control the switching of ON and OFF of the bulb using sensors.

Barkha Kumari

*PRINTING &
DE-PRINTING MACHINE*

The machine we will design and fabricate be used for reducing recycling of paper and reuse the printed paper 5 times without wasting when it not in used. To remove toner from printed paper could lead to a new type of Xerox machine capable of both PRINTING and "DE-PRINTING".

Atish Deepankar

RUSH-CONTROL MANAGEMENT PROJECT

Many a times while driving, one may not be familiar with the rush density of via path. Consequently, the probability of being getting trapped in traffic is more. But if the rush density of via path is known to one then it will be convenient for the driver to change via route where the chance of being trapped in the immense traffic is more.

Hence, here we are representing a digital rush management system. In this rush management system one may get the idea of the region which will come in between the starting point of journey to the destination. One may get the idea of the rush without using their smart phones while driving on road. Unlike the boards on roads where the direction of a particular location is printed on them we will have a displaying screen which will tell the rush density of the regions which come ahead.

We are categorising this project into two stages:

- For showing rush density of a particular area and helping people to choose via path.
- At the second stage we will be dealing with the interval predicted by our system for interval of rush retention in a particular area.

Apoorav Mittal

Andronite

Problem Statement:-

To generate Birth and Death certificate parents/relative have to visit the Municipal office physically. In case of birth some parents don't even know about the proper time of vaccination and in case of death, the ID's and bank accounts of dead person still valid after their death. One more thing is that a person from the department has to visit to the doorsteps for the inspection where the event occur.

Solution:-

We are going to design an Android app that will provide data to municipal office regarding birth or death of a person through the parent/relative.

Bhaskar Dev Goel

IDVERIFY

IDverify is an ID card verification Solution developed to reduce the use of physical ID-cards as well as help the students in case if an ID-card is lost. It will be used to create and verify the e-id's of the students.

Amritanjali

Transport Management System

Making an online portal that solves the real life problem of passengers and bus staff by telling the users which vehicle to take, through which the bus staff can update the number of seats available in their buses and passenger will be able to get seats available for various transportation medium. Bus staff should have options to fill data for every stop, no. of passengers boarded ,exact number of standing and seated passengers (dynamic Input)enroute name of buses and their stoppage on that route (fixed Input). Application will also include destination info about each passenger boarding the bus so that a bus doesn't have to stop at every bus stop and a user can determine if the bus will reach their destination in the shortest possible time. Passenger can also track position of bus by geo location we can also use GPS of passenger to provide extra features.

Rishikesh Anand

BI-DIRECTIONAL VISITOR COUNTER

The objective of the project Bi-directional Visitors Counter is to make an Arduino based model to count the number of person's visiting particular room and accordingly light up the room. This project is a real-life model which has the ability to perform the task of counting in both directions. Not only it will increase the counter value when any person enters the house but also when any person leaves the house, counter's value reduce considerably. In today's world, there is continuous need for automatic appliances with the increase in standard of living; there is a sense of urgency for developing circuits that would ease the complexity of life. Also if at all one wants to know the number of people present in room so as not to have congestion, this circuit helps to be helpful. The main benefits of this project is power saving. Suppose when we are not in room then what is the need of appliances being in ON position. It is wastage of electricity. So to reduce this wastage and to preserve our resources we need implement our knowledge of science and this is our small tribute to mankind.

Shubham Sinha

ELECTROMAGNETIC WHEEL

Since in modern era we are getting faster and faster i.e. In today's life speed and look matters a lot. So, taking in view we are going to design a wheel which will work on the mechanism of electromagnetic induction which will increase the speed of wheel (mostly suitable for electric vehicles). Implementing a set of coils inside the tyre itself and the tyre will work like a BLDC motor due to the phenomenon of electromagnetic induction. Today this technology is basically used in the wheels of hover boards. There will be two sections,

- i) Outer section i.e. tubeless tyre (comprising of electromagnets)
- ii) BLDC rotor (comprising of set of coils)

In previous days the bikes have spokes, but by this technique the spokes will be replaced and will give the vehicle a better look.

Deepak Kumar

hiइ

hiइ is basically an online platform which will help to increase the job opportunities of workers and deliver fast and reliable service to customer. If a customer needs workers (artists, electricians, plumbers, mechanic, carpenters etc) then they have to post a query on our platform. hiइ will search nearby worker according to user demand and provide fast service.

Ashutosh Kumar



Auto Irrigation System

Our team select the project auto Irrigation system because in present day most of farmers facing major problem in watering their crop and farmer wait until the field is properly water and they stop doing other activity also lost their precious time. This project is very important for our country because 66%of total population of our country is dependent on farming.

Shashank singh

Development in
education system

Nowadays we have a big problem that in government school, there is all facility for students but no one can utilize it. Main reason behind this is, teachers are paid a handsome salary by government and they don't teaches to students sincerely. Even they don't go to school at time. Many of them only go to mark themselves as present and spends 1 or 2 hour and then they go back to home. So about the solution of this problem we can make a device which can detect that a particular teacher was present for how much time and he takes the classes properly or not. By image processing we can recognize that particular teacher's all actions.

Shashank singh

Saksham

The project Saksham focuses on gaining your muscle control with the help of some external hardware and peripherals. For example-for arm and leg muscles ,pneumatics and motor controlled actuators which will provide the functionality as desired by the operator based on the inputs from sensors as it gets data from the muscle whose function you want to perform. Depending upon the effort made by the operator's muscles a proportional effect will be generated by the actuators will suitable balance.