



V-ideas 2019-20

Department of Information Technology



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Principal's Desk



Dr. Rohini Kelkar

Publication of V-Ideas is a novel activity of VSIT. It gives a summary of great efforts done by final year students, their project guides and the mentors of the guiding teachers. V-Ideas is a document that depicts the variety of areas the students have been working on for the partial fulfilment of their final year evaluation. Working on a final year project gives students an opportunity to apply their theoretical knowledge to problem solving. It also helps the students to improve their performance at placement related activities. I am extremely happy to present this booklet for the academic year 2018-19. I also take this opportunity to acknowledge the efforts done by teachers, students and the mentors towards completion of students' projects well within time.

Makarand Deshpande's Desk



It gives me immense pleasure to talk about some key point about this Fifth edition of V-ideas, a publication of student projects. We have revamped the complete approach towards student projects this year. As a philosophy, we tried to divide the projects in different areas based on parameters like application usage, technology. Project counts for these areas were decided at the start of the academic year, so as to ensure the diversity in the projects. We also encouraged students to use the current technologies and industry standard frameworks such as MVC in implementation of the projects. The idea is that this project experience should widen their exposure, pick up different real life problems and to apply their knowledge to conceive and build solutions. In a nutshell, make them "industry ready" when they walk out of our institute with their degree. As a mentor for projects in IT, I am happy to say that we have succeeded in achieving these objectives during the year. This edition of V-ideas reflects this thought process.

I would like to express my gratitude towards the Projects Committee as well as the faculty members who worked enthusiastically throughout the year to convert these ideas into reality. Last but not the least, the students have worked hard to build these projects, seeking feedback from time to time to make them even better. I am happy to say that the projects done by final year students are becoming much more than just an activity prescribed in the syllabus. In coming years, we are confident that this will explode into new ideas and initiatives, which will also seed new ventures.

Web Application

A web project is the process of developing and creating a web site, activities in a network which are aimed at a pre-defined goal. The network can be both accessible for everyone, as in the internet, or only for certain people, as an intranet. The goal of web projects is the transfer of static and dynamic content - both directly to end users, as well as indirectly through means of various kinds of interfaces. Web projects are based on TCP/IP (Transfer Control Protocol/Internet Protocol) technology and concern the transfer of static and dynamic content. A web project involves many aspects, including programming and the accompanying software development, web business, web server and network administration, hosting, graphics/design, the development and administration of databases, construction of interfaces, project management and quality assurance, search engine optimization, the maintenance of data in content management/editing systems and much more.

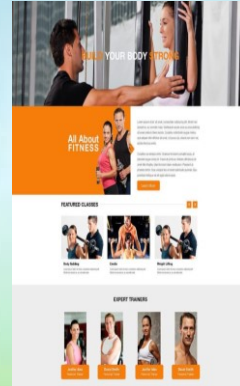
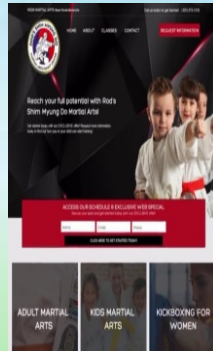
Programming for a web project may be accomplished using one or more markup languages (such as HTML, XML), scripting languages (PHP, Perl, JavaScript for example) or even more complex programming languages (such as Java, C/C++/C#).

Defender Martial Arts

Brief idea of Project : The application is design specially for the kickboxing institute DEFENDER MARTIAL ARTS for the awareness of the sports and their Personal training programs. As the institution is providing the combat stand-up sport which can be helpful in self defence as well as for individuals physical fitness

The user just need to open the application and can access the application for the information of the Sport. It also provides the events which are related to this sport and as Achievements of this institution along with the instructors profile.

Screenshots of the Project / Photos of Working Model :



Sanket Khandekar
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Yash Patil (yashp2602@gmail.com)

Project Guide : Ms. Aasha Chavan

Applications :

- 1) It is an ultimate user guide to many individual who are interested in physical activities and want to achieve some fitness goals.
- 2) It helps to maintain balance and posture.

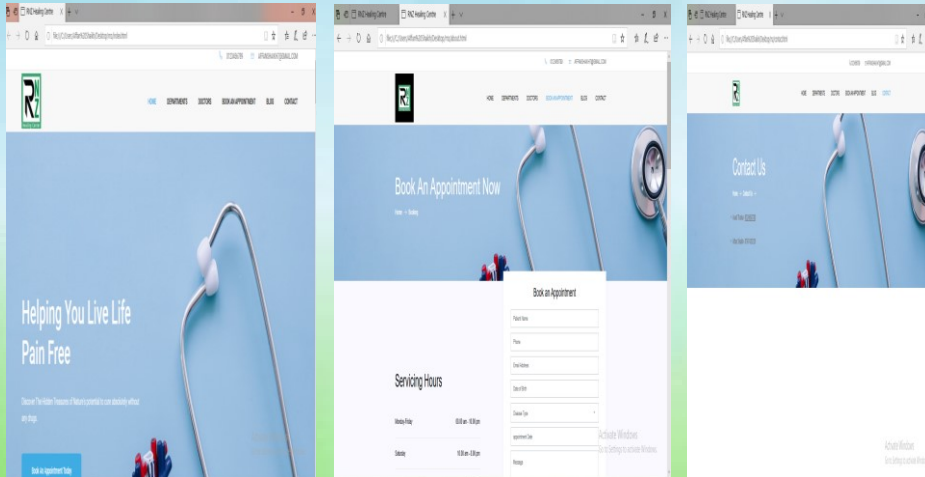
Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar

RNZ Healing Centre

Brief idea of Project : It is a website of Therapy which will provide services like acupuncture, moxibation and physiotherapy. I will make a website in which customer can book services anytime through internet. Customer can easily find the time they want which will help them to save their time.

The main objective of our project is to manage the details of Item Category, Delivery, Address, Order, Shopping Cart. It manages all the information about Item Category, Customer, Shopping Cart, Item Category. The project is totally built at administrative end and thus only the administrator is guaranteed the access.

Screenshots of the Project / Photos of Working Model :



Affan Shaikh (affanshaikh7@gmail.com)

Project Guide : Ms. Aasha Chavan

Applications :

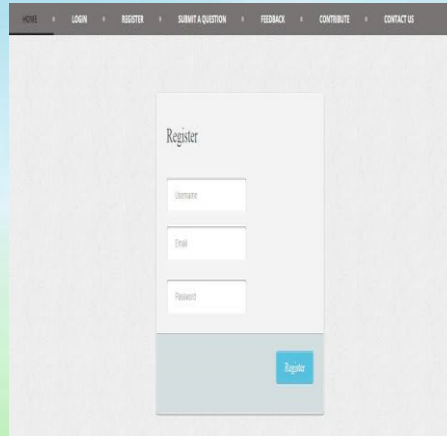
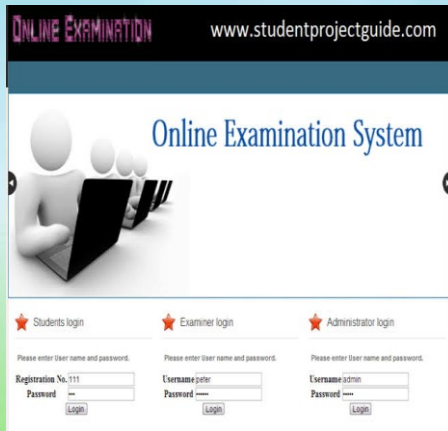
1. A platform to book appointment for treatment through natural ways of therapy.
2. People can buy products through the website.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify: -

Online Aptitude Test

Brief idea of Project : This software based website aids users and teachers to explore its field of study in more dynamic from simply by applying or registering into this website . This website is mainly for students and is easily accessible to anyone willing. The website contains various parts each having different function and purpose based on object oriented programming.

Screenshots of the Project / Photos of Working Model :



Muzammil Patel
(patelmuzammil1999@gmail.com)
Anand Gadge (anandgadge@yahoo.in)

Project Guide : Ms Akshatha Jain

Applications :

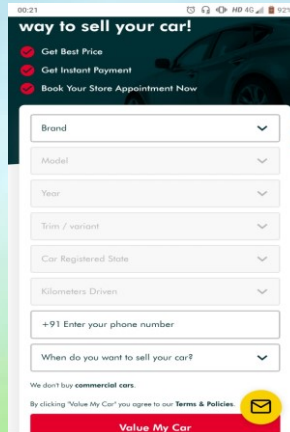
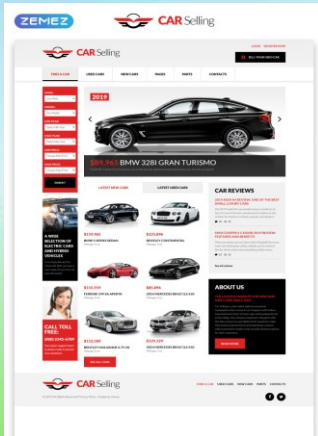
1. A platform to connect students, users , locals online.
2. Helping users to gain their perspective.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar

Secure Online Car Auction System

Brief idea of Project : It is a website of car sellers and buyers in which we will sell different types of cars online to the customers. We will make a website in which customer can search different types cars and can sell or buy any cart through internet. Customer can easily find the cars as per the need they want which will help them to save their time. They will also save their money as we will provide them the cars at lower price as compared to the market price. The Cars will be delivered at their home which will help them to less efforts. Customer can easily make order from the website within a minute at anywhere anytime using the internet.

Screenshots of the Project / Photos of Working Model :



Ketan

Kamble(ketankamble169@gmail.com)

Rohan

Koyande(rohankoyande326@gmail.com)

Project Guide : Ms. Akshatha Jain

Applications :

1. A platform where one can buy and sell cars.
2. People can also auction their cars on this website.

**Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar**

SPORTS EVENTS MANAGEMENT PLATFORM FOR COLLEGES

Brief idea of Project : The project brings the entire manual process of sports event management online which is built using Asp .Net as a front end and SQL Server as a backend. The main purpose of this project is to simplify the process of handling each sports event by providing a web interface for admin and teacher.. viewing the list of students to mark the winner of each round, generating the results based on multiple rounds won by the student and also can view the 1st, 2nd and 3rd standings of student's name for the particular sport event

Screenshots of the Project / Photos of Working Model :

Sports Event Management System

Home Page | Add Sports Details | View Sports | Logout

View **Add Sports Details**

Sport Name:

College Name:

Location:

Date:

1st Prize:

2nd Prize:

3rd Prize:

Sports Event Management System

Home Page | Admin

Admin Login

User Name:

Password:



Shreyansh Rasik Chauhan
(cshreyansh245@gmail.com)

Project Guide: Ms. Ashwini

Applications:

The main purpose of this project is to simplify the process of handling each sports event by providing a web interface for admin and teacher..

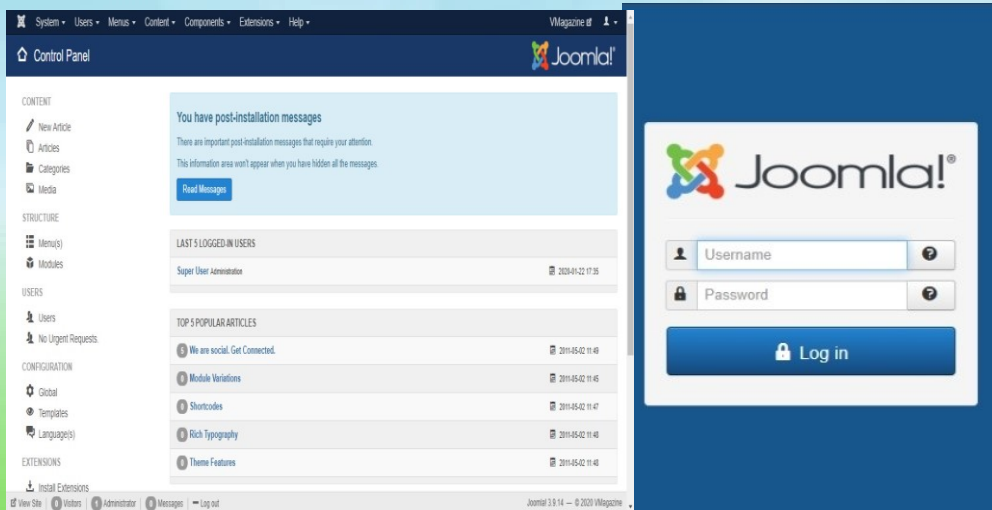
V Magazine

Brief idea of Project : V magazine is a web based project where students can share their articles, and read various articles. V magazine provides a platform for students to exhibit their talent.

Every student and faculty can view and post their ideas because this is not a printed magazine as it leads to wastage of paper. Large number of data can be stored without any missing of information.

V magazine is user friendly interactive place for student and faculty.

Screenshots of the Project / Photos of Working Model :



The image shows two screenshots related to the Joomla! project. The left screenshot is the Joomla! administrator control panel, displaying a sidebar with navigation options like 'CONTENT', 'STRUCTURE', 'USERS', 'CONFIGURATION', and 'EXTENSIONS'. The main content area shows a 'You have post-installation messages' notification and a list of 'TOP 5 POPULAR ARTICLES' with titles like 'We are social. Get Connected', 'Module Variations', 'Shortcodes', 'Rich Typography', and 'Theme Features'. The right screenshot is a Joomla! login form with fields for 'Username' and 'Password', and a 'Log in' button.



Archit Shukla(architshukla44@gmail.com)
Ritu Dubey(ritudubey2020@gmail.com)

Project Guide: Mrs.Beena Kapadia

Applications :

1. Technically it will provide more knowledge of online magazine based system to people, making everyone aware of technologies.
2. This project can be applicable on upcoming magazine process making the system smarter.
3. Large number of college and office related work will become easier and safe.

Employee Management System (Web Application)

Brief idea of Project : Employee are the backbone of any company therefore their management plays a major role deciding the success of an **Employees Management Software** makes it easy for employer to keep track of all record . A **Employee Management System** help you be more efficient with your time, and reduces the time your team spends on repetitive, administrative tasks. This software allows the administrator to edit employees, add new employees, transfer/promote/terminate employees.

Screenshots of the Project / Photos of Working Model :



Login Form

Username *

Password *

Login Cancel



Kunal Kamalia
(kunalkamalia82@gmail.com)
Mohd Asad Khan
(khanmohdasad2000@gmail.com)

Project Guide : Ms. Geeta Sahu

Applications :

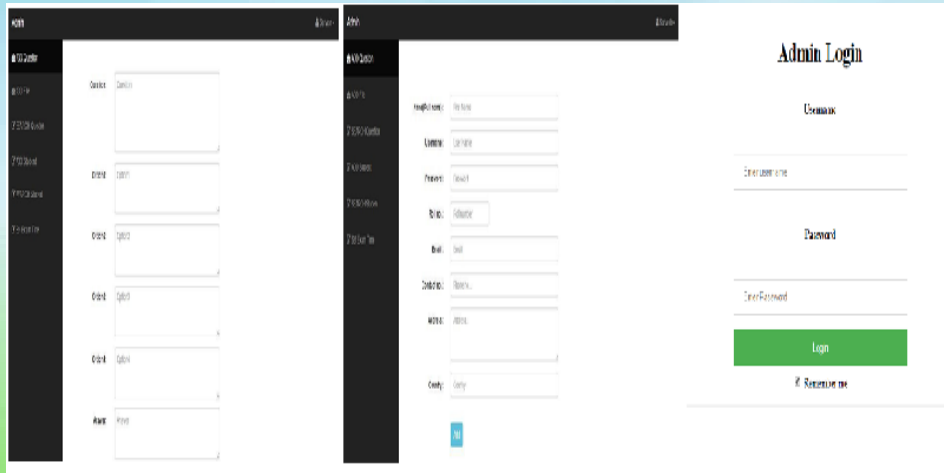
- 1.Optimizing workload and streamlining administration tasks.
2. Flexible management boundaries

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify: No

Voice Based Examination (Web Application)

Brief idea of Project : The Online-Examination for Blind People is basically an online examination system. It reflects the justification and objectivity of examination. It helps to release the workload of teachers and students. The current online examination systems do not allow blind people to appear for the examination. Hence, the proposed application is designed for the blind people so that they can appear for examination; it is also useful for the other handicapped people with upper limb disability. This research work provides the speech user interface for blind people to interact with the application.

Screenshots of the Project / Photos of Working Model :



Sayed Kaif (kaifabedi@gmail.com)

Project Guide : Ms. Janhavi vadke

Applications :

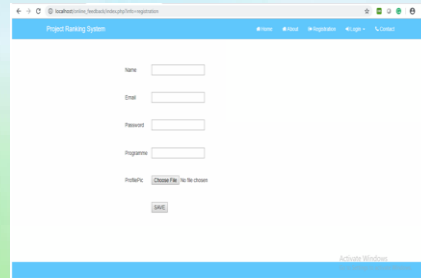
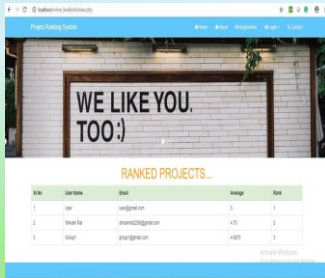
1. Helpful for people who are blind and the people who don't use keyboard.
2. Social Impact.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:

Project Ranking System (Web Application)

Brief idea of Project : Project Ranking System is a web application which provides base for the schools/colleges to conduct teacher's feedback online of the projects made by students. The goal of the study was to develop an all in one feedback system serving both students and teachers. The system comprises of generation and analysis of teacher's feedback pages, summary, and a delivery of feedback. The system is developed for all college students and staff members.

Screenshot of the Project :



Rushikesh Misale
(rushikeshmisale9@gmail.com)

Shashank Singh
(shashanksingh2701@gmail.com)

Project Guide : Ms. Janhavi Vadke

Applications :

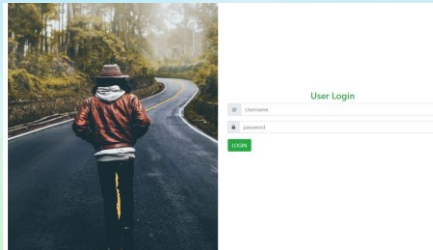
1. School and Colleges
2. Companies that handles Projects

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:

College Admission Predictor (Web Application)

Brief idea of Project : College Admission Predictor System is a web based application system in which students can register their marks along with their personal information. This helps to predict their admissions in colleges. Administrator can add the college details and the batch details. Using this Application, the entrance seat allotment becomes easier and efficient. The main advantage of the project is the computerization of the entrance seat allotment process.

Screenshots of the Project / Photos of Working Model :



Tarun Kodi (tarunkodi3054@gmail.com)
Omkar kochrekar
(omkarkochrekar@gmail.com)

Project Guide : Ms Janhavi vadke

Applications :

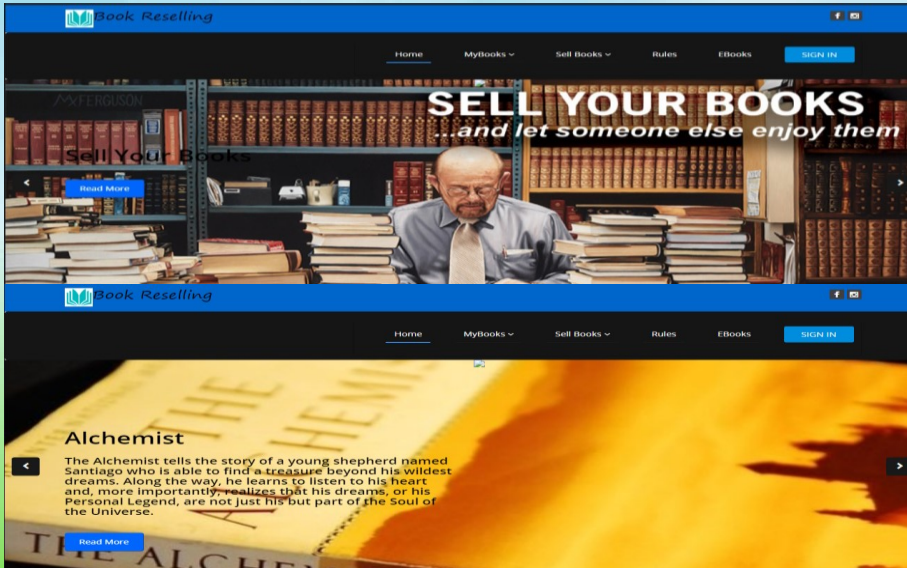
1. Reducing time in activities: Reduce the time taken in processing the applications of students ,admitting a student, conducting the online examination, verify student marks, and send letters to selected students.
2. Centralized data handling: Transfer the data smoothly to all the departments involved and handle the data in centralized way.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:

Online Reselling Bookstore

Brief idea of Project : This project deals with developing a website for Online Reselling Book Store. It provides the user with a catalog of different books available for purchase in the store. In order to facilitate online purchase a shopping cart is provided to the user. The system is implemented using a 2-tier approach, with a backend database and a web browser as the front end client. This is a project with the objective to develop a basic website where a consumer is provided with a shopping cart application and also to know about the technologies used to develop such an application.

Screenshots of the Project :



Sanjay Ramabuddi
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Gopal Sahu sahgopal9876@gmail.com

Project Guide : Ms. Leena Jadhav

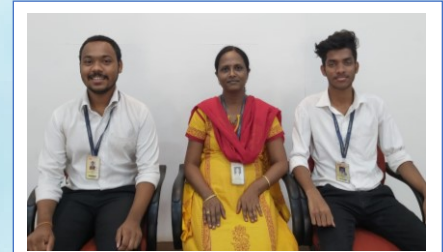
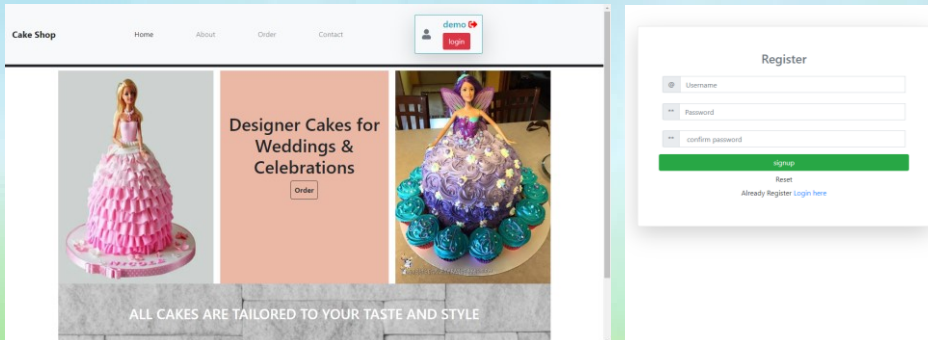
Applications :

This web application is designed for book reselling which targets the student mostly. But when it comes to reading books, anyone who has an interest in reading the books physically (i.e. Reading through hard copy) people can use this website to order the books which will help them to get the book at low cost and read it without any damage of eye-sight

Cake Shop (Web Application)

Brief idea of Project : Many businesses are currently opting to provide their services through communicating by their customers through an internet interface, this helps provide details to the customer party not necessarily being present at the shop and taking out time from their busy schedules instead they can simply get the details wherever and whenever through a websites of the respective business, making any business expand in larger scale. The cake shop website thus will contain the factors that any such websites contain and thus would make ordering cakes more user friendly. The website would be able to make customers aware of every product the shop owner has to offer

Screenshots of the Project / Photos of Working Model :



Aniket Myana
(myanaaniket@gmail.com)
Kalpit Daki (kalpitdaki.kd@gmail.com)

Project Guide : Ms. Leena Jadhav

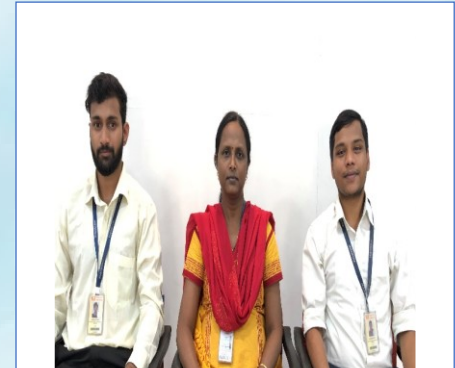
Applications :

The customers could be then able to place their orders online and provide their order details without paying their time by visiting the shop while in busy schedules. The project is to update the working approach of the employee by taking orders through a electronic interface i.e. Website

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:

BLOOD BANK (Web Application)

Brief idea of Project : The purpose of this project was to develop a blood management information system to assist in the management of blood donor records and ease/or control the distribution of blood in various parts of the country basing on the hospital demands .Without quick and timely access to donor records, creating market strategies for blood donation, lobbying and sensitization of blood donors becomes very difficult . The blood management information system offers functionalities to quick access to donor records collected from various parts of the country. It enables monitoring of the results and performance of the blood donation activity such that relevant and measurable objectives of the organization can be checked .It provides to management timely, confidential and secure medic all reports that facilitates planning and decision making and hence improved medical service delivery.



Lingesh S(lingeshwarsripathi@gmail.com)
Vignesh(vigneshvenugopal316@gmail.com)

Project Guide : Ms. Leena Jadhav



The screenshot shows the 'V-Blood Bank' website with a red header. The navigation menu includes Home, Donor Registration, Donor Login, Blood Request, View Requests, Camps, Search, Contact Us, and About. The main content area features a 'Donor Registration' form with a vertical banner on the left that reads 'I WANT TO BECOME A DONOR'. The form fields include Donor Name, Gender (Male/Female), Age, Mobile No., Blood Group (dropdown), E-Mail, Password, Confirm Password, and a checkbox for 'Are you suffering from diabetes?'. There is also an 'Upload PIC' section with a 'Choose File' button and a 'No file chosen' message. A 'Register' button is at the bottom.



The screenshot shows the 'Request For Blood' form on the V-Blood Bank website. The form has a red header with the text 'Request For Blood'. The fields include Name, Gender (Male/Female), Age, Mobile No., Select Blood Group (dropdown), E-Mail, TR Required Date (dropdown), and Detail. A 'Submit' button is at the bottom. The website footer includes 'Home', 'Donor', 'Login', 'About', 'Contact Us', and '© All Rights Reserved'.

Applications :

1. It will work as an intermediate between the blood bank and the donor.
2. the donor will have an option of making new blood donations

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:

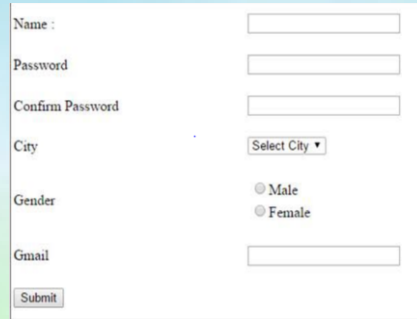
Incident Management System for VSIT

Brief idea of Project :-An incident management process is performed by the service desk that acts as contact point to the users and customers. It is a platform independent web project. The project has three modules namely- Admin, Staff, IT Engineers which has facility of lab programs management, login management. The staff and engineers can manage and do their activities in easy manner.

Screenshots of the Project / Photos of Working Model :



The screenshot shows a web page titled "Login". It features two input fields: "Login name" and "Password". Below the password field is a blue link that says "If you are not registered. Click here to register". At the bottom of the form are two buttons: "Login" and "Cancel".



The screenshot shows a registration form with the following fields: "Name", "Password", "Confirm Password", "City" (with a dropdown menu labeled "Select City"), "Gender" (with radio buttons for "Male" and "Female"), and "Gmail". A "Submit" button is located at the bottom left of the form.



Anisha Ghawre (anishaghawre3@gmail.com)
Vaibhav Rane
(vaibhavrane26091994.vr@gmail.com)

Project Guide : Ms. Madhavi Amondkar

Applications :

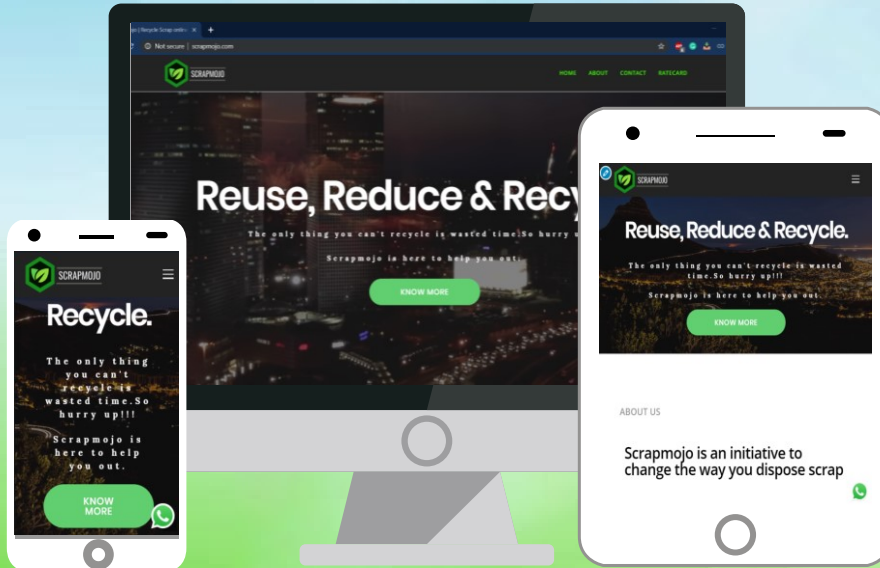
1. It will act as an in-house incident management application to report & track incidents and get the live update.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify: NA

ScrapMojo

Brief idea of Project : ScrapMojo helps you recycle all kinds of Domestic scrap and E-waste. Paper, Electronic Junk, Metals, Plastic items, You name it. ScrapMojo plant's a Tree around Mumbai for every 10 recycle requests placed using our platform. Donating gently used School supplies or clothes & Stationery supplies, Clothing, Ration Supplies. ScrapMojo is not going to stop until same system is implement in other major cities later followed by small towns. We are developing a dedicated hard-coded web-site with the best features to make this possible.

Screenshots of the Project / Photos of Working Model :



Vibhav Pandey
(vibhavpandey16@gmail.com)
Deepak Jain
(deepakjain444@gmail.com)

Project Guide : Mrs. Payal Shah

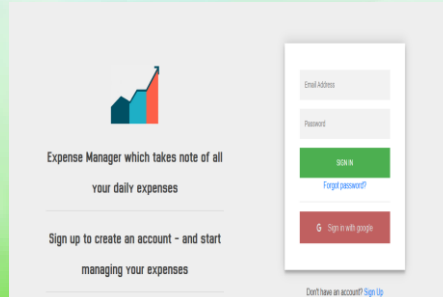
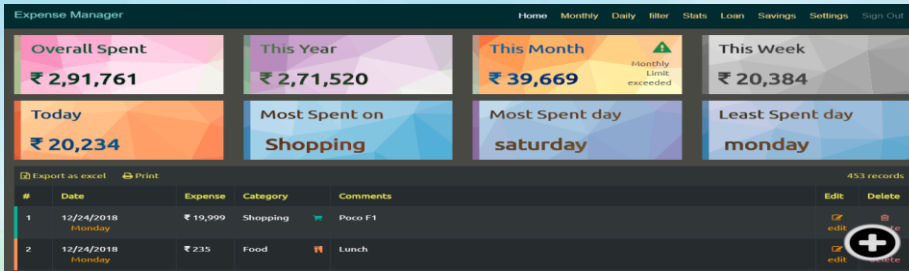
Applications :

1. Company website for upcoming start-up ScrapMojo
2. Only interaction point for company and potential customers

SaveBucks: Simplest way to track personal expense (Web Application)

Brief idea of Project: We are developing an web application named as "SaveBucks" and this application is used to manage the application user's daily expenses in a more efficient and manageable way. This application allows users to maintain a digital automated diary. Each user will be required to register on the system at registration time, the user will be provided personal account, which will be used to maintain the record of each unique user. This application takes Income from user and shows the summary in dashboard about your daily, weekly, monthly and yearly expense. If you exceed monthly expense it will warn you immediately.

Screenshots of the Project / Photos of Working Model :



Siddhesh Dhuri (sdhuri1234@gmail.com)
Sahith Gurudu (sahithg2223@gmail.com)

Project Guide : Ms. Payal Shah

Applications: Those Users, who are looking for track monthly spends. Stay within budget and save more every month. Find out much you spend on food, shopping, groceries etc. Clear view on your financial life. Better understand where your money comes and goes with visualized reports about income, expense by date, day & category .

Automated Question Paper Generation System

Brief idea of Project : Automated paper generation is useful for generation of question papers in school, colleges, etc. We can generate different paper sets with the questions provided in database or the question set available with the user. Question selection done from the database can be manual or the app will randomly selects the questions(considering priority and weightage). This app will select the questions and add them in the template selected by the user. If the user is satisfied, it gets saved; else the process is repeated. It saves time and efforts of the teacher who selects questions and then arranges them in proper format.

Screenshots of the Project :

Branch: BSC-IT Subject: E3Semester: 5
Date : Time: 1/2 Marks : 40
Note :
Q1. Answer the following questions : 20
1 explain all the directives with syntax in JSP pages
2 Difference between JSP and Servlets
3 explain all the directives with syntax in JSP pages
Q2. Answer the following questions : 20
1 explain java
2 why to use java server pages
3 explain all the directives with syntax in JSP pages



Devi Sachidanandan
(devisachidanandan@gmail.com)
Yogesh Rana (yrana615@gmail.com)

Project Guide : Mrs. Payal Shah

Applications :

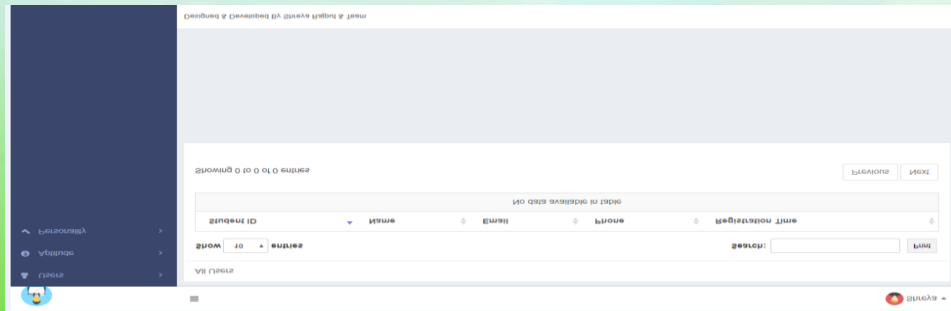
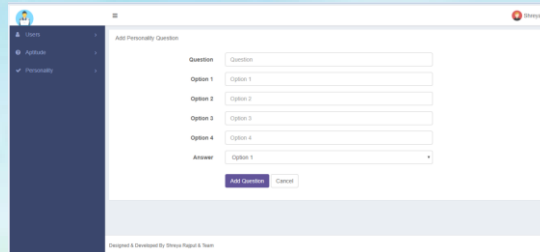
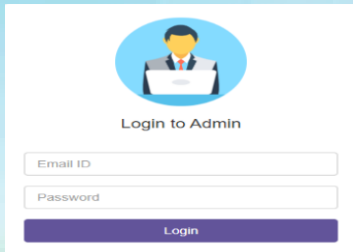
1. Decreases overheads.
2. Makes the paper generation system more secure and fail-safe.
3. Increases the throughputs.
4. Minimizes redundancy.

Won 3rd prize in project exhibition at ABHIVYAKTI fest 2019

PERSONALITY PREDICTION SYSTEM (Web Application)

Brief idea of Project :This system will enable a more effective way to shortlist submitted candidate CVs from a large number of applicants providing a consistent and fair CV ranking policy, which can be legally justified. System will rank according the languages candidate knows and percentage required for particular job position. Then, the system will rank the CV's based on that which are required for particular job profile. This system will help the HR department to easily shortlist the candidate

Screenshots of the Project / Photos of Working Model :



Shreya Rajput
(shreyarajput5838@gmail.com),
Sayali Sulakhe
(sayalisulakhe270899@gmail.com).

Project Guide: Ms. Pushpa Mahapatro

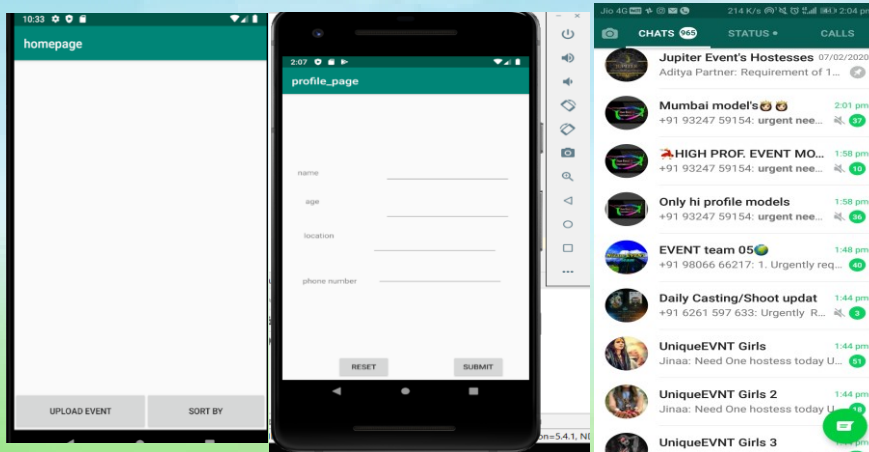
Applications:

1. To develop a system to provide a more effective way of short-listing the candidates.
2. To produce ranking decisions that would have relatively higher consistency than those of human experts..

Event WEB Application(web application)

Brief idea of Project :EWA (Event Web Application) eases the work to find event as per user interest. It can sort the uploaded event into multiple ways which will help the user to select the event as per his need. The user on its own can also choose to upload event for other to participate or select an event. The application will change the traditional cumbersome method of event circulating. It will also result in better security and user friendly presentation.

Screenshots of the Project / Photos of Working Model :



Ashutosh Sangle
(asangle789@gmail.com)
Manali Nagwekar
(manalinagvekar3548@gmail.com)

Project Guide : Ms. Rohini Desai

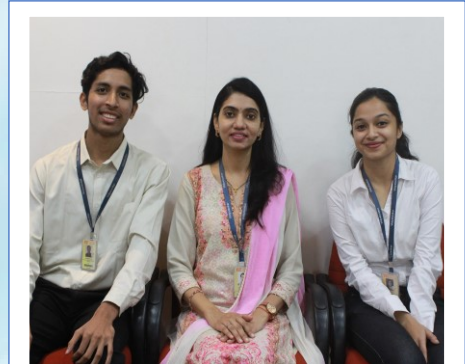
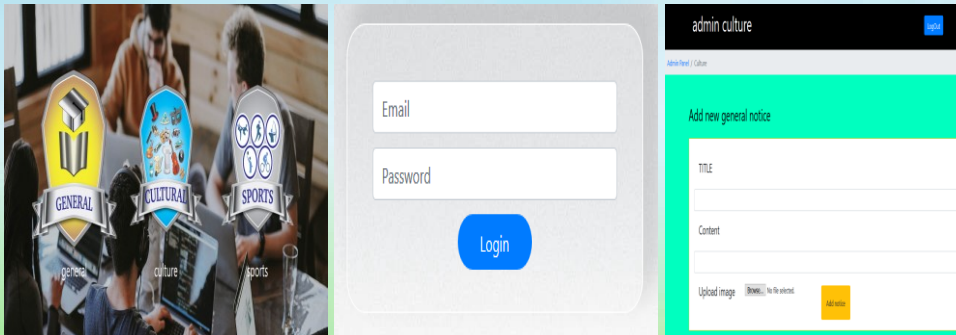
Applications :

1. New and user friendly experience compare to traditional way(WhatsApp).
2. Multiple option to categorize event as per the requirement,

Event Management System of College(Web Application)

Brief idea of Project : Announcement of Notice is a time-consuming process. It requires space, money and a lot of time. Sometimes ,any important notice might be missed by students because they may not be present at that time. To provide solution over this we are building webpage application which will publish Notice. This system platform is the big and easily accessible platform for all the users who want to keep and use the data in their feasible way. This system has many advantages as well as disadvantages as every system has but providing less problems and fast result in the process would make this system as best working system.

Screenshots of the Project / Photos of Working Model :



Shubham Chavan
(shubhamc252356@gmail.com)
Dhanashree Nakhwa
(dhanashreenakhawa@gmail.com)

Project Guide : Dr. Sarika Chouhan

Applications :

- 1.To develop a management system accessible to all students
2. Students as well as Teachers can view this website.

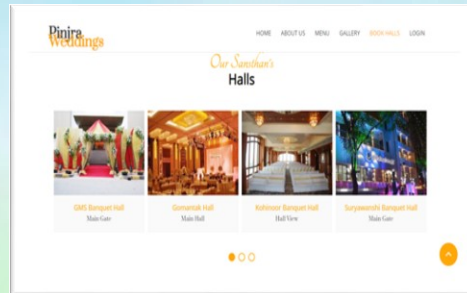
**Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls.Specify:
Project presented in Tantra -Vihar**

Hall Booking System

Brief idea of Project :-A web based Hall Booking Management System provides the searching facilities based various factor .Web based hall booking system are going to develop web portal for searching wedding halls .

This web portal is able to check the availability of wedding hence we need not go and visit the place . The user should have wasted his/her time and money to search the hall

Screenshots of the Project / Photos of Working Model :



Lokesh Mayekar (mklokesh27@gmail.com)

Rahul Yadav (ry1741871@gmail.com)

Project Guide : Ms. Seema Murkar

Applications :

1.Information of individuals haall is stored in the database .New Owner of hall can insert his details in the web portal.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar

ONLINE TREE DONATION SYSTEM

Brief idea of Project : The need of tree for donation is far greater than tree availability. In the last decade this has led to restructuring and investment in the tree plantation program with political and public support . The website is regarding tree plantation. People who like to donate or plant the tree for the environment. They perform the tree plantation via NGO's or by self. The idea behind the website is to automate the tree plantation process online. ONLINE TREE DONATION SYSTEM is used to donate/plant the tree by doing the process online .The user can donate the tree with the help of online system. The user can register the form with that he/she can donate their contribution for the environment.

Screenshots of the Project / Photos of Working Model :



Welcome to GreenDhara User Dashboard, Bhushan

[Home](#) | [About Us](#) | [Service](#) | [Contact](#)

My Profile

Name : Bhushan
Gender : male
Date of Birth : 1999-11-25
City : Mumbai
Email : bhushan@gmail.com
Points : 100

Add Points



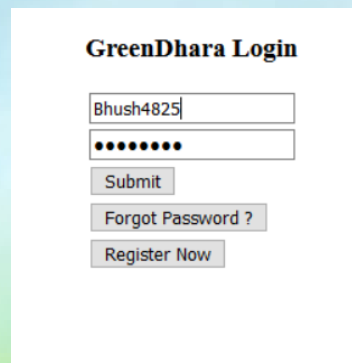
GreenDhara

[Home](#) | [About Us](#) | [Service](#) | [Contact](#)

Name

Donation Type Tree Donation
 Land Donation

Unit(s)



GreenDhara Login



Bhushan Burbadkar
(bhushanburbadkar1999@gmail.com)
Sushant
Sarambale(sushantsarambale29@gmail.com)

Project Guide : Ms Seema Vishwakarma

Applications :

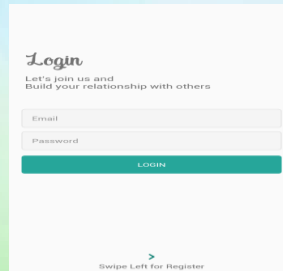
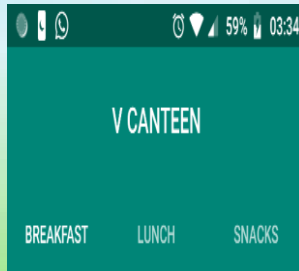
1. With the help of our tool we can help people to donate trees easily.
2. It will help NGO's to collect funds.

**Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar**

V CANTEEN (ANDROID APP)

Brief idea of Project : The project in the real world is getting attraction, especially in organizations where time is constraint. Analyzing the currently processing systems and the difficulties face, ongoing systems might not go well in coordination with the satisfactory level of providing the timely service in this rapidly changing generation. V Canteen application is remedy to the extent of problems current systems are facing in various aspects. It provides more convenient way to solve the overhead problems of employees and smoothen the basic process of both placing and receiving the orders.

Screenshots of the Project / Photos of Working Model :



Dhruv Mehta
(dhruvmehta817@gmail.com)

Manish Gangurde
(gangurdemanish27@gmail.com)

Project Guide : Ms. Snehal Tandale

Applications :

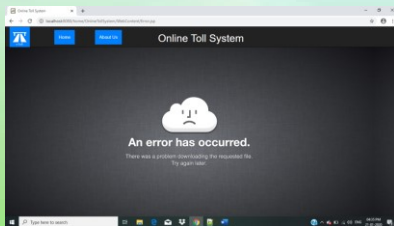
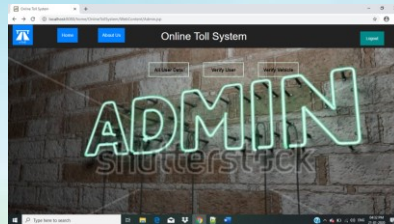
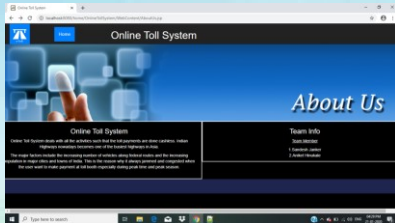
1. Reduce the overhead pressure of employees
2. Ease to place and receive orders.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in ABHIVYAKTI-2019

Online Toll System(Web Application)

Brief idea of Project :Toll Plaza Management system is a web based application that can provide all the information related to toll plazas and the passenger checks in either online or on a mobile device and pays the amount, then he/she will be provided by a receipt. With this receipt he/she can leave the toll booth without waiting for any verification call.

Screenshots of the Project / Photos of Working Model :



Sandesh janker
(sandeshJanker4226@gmail.com)
Aniket Hinukale
(anikethinukale@gmail.com)

Project Guide: Ms. Spruha More

Applications:

- 1.The main objective is to develop a website for reducing the
- a.congestion rate
- b.Cash less
- c.man power
- d.Paper less

It is user friendly to use and it consist of toll statistics at the toll plaza.

Mobile App

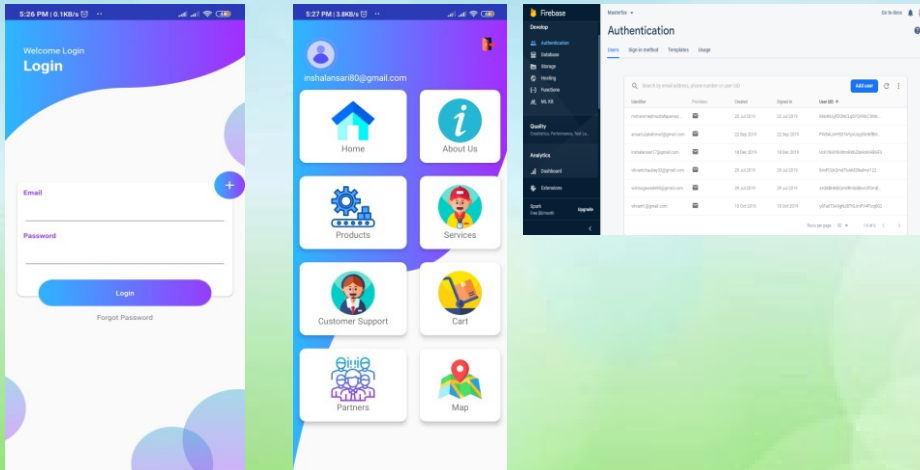
A mobile app is a software application designed to run on mobile devices such as smartphones and tablet computers. Most such devices are sold with several apps bundled as pre-installed software, such as a web browser, email client, calendar, mapping program, and an app for buying music or other media or more apps. Some pre-installed apps can be removed by an ordinary uninstall process, thus leaving more storage space for desired ones. Where the software does not allow this, some devices can be rooted to eliminate the undesired apps.

Native mobile apps often stand in contrast to desktop applications that run on desktop computers, and with web applications which run in mobile web browsers rather than directly on the mobile device.

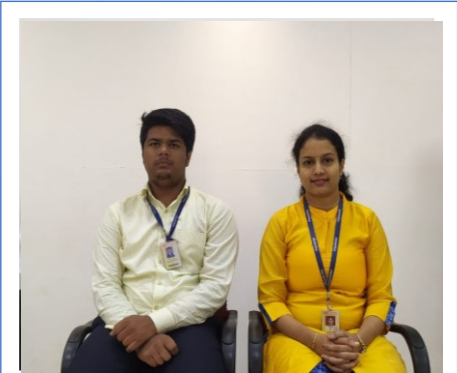
Masterfax (Android)

Brief idea of Project : The main aim of this project is to develop application that has a CMS functionality[Control Management System]. Admin can dynamically add new product in Application other than that there will be no duplicate account as there is email authentication. There will also be a feedback where user can give their honest opinion which will be seen by Admin. It is live project for Masterfax company.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar



Ansari Inshal
(inshalansari80@gmail.com)

Project Guide : Ms. Aasha Chavan

Applications :

1. It can be used as E-Commerce Application where user can order Electronic Product.
2. It can also be used as Service based Application where user can request for Service.

Online Personal Counselling System

Brief idea of Project :The aim of the project is to improve and provide facilities related to the counselling process, many other virtual counselling schemes came into actuality, which provides the students in getting essential help about the educational procedures of universities and colleges. This online counselling system even gives great support to universities and colleges through which they can totally reduce the paper usage for counselling and guiding the students towards their university courses.

Screenshots of the Project / Photos of Working Model :

OPCS HOME ABOUT US E BOOK DOWNLOAD VIEW COLLEGES CARRIER CHOOSE LOGIN CONTACT

ABOUT US

Career guidance consist of services that help people successfully manage their careers development.Although this aspect of human development ouccers on its own as we mature.Everyone can benifit from assistance navigating through the process.

Our Mission
To help students choose a suitable career for themselves free of cost.

Our Plan
Discover yourself and your perfect career.

Our Vision
We will guide and help you counselling towards a happy,fulfilling future!



Sneha Sirsulla
(snehasirsulla1999@gmail.com)
Rupa Bind (rupabind65@gmail.com)

Project Guide : Ms. Ashwini Koyande

Applications :

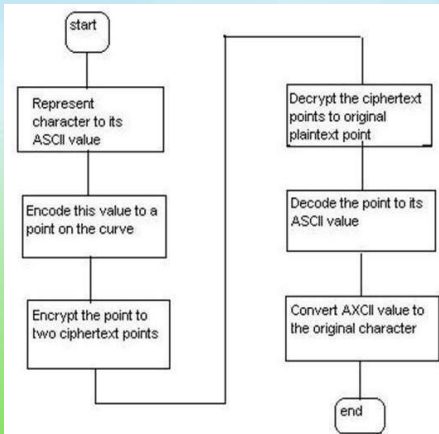
1. Student can access it anywhere and can get detailed information about various colleges.
2. Students can use to choose their suitable career and options available for future studies.

Secure Data transfer(Android)

Brief idea of Project :There is always a need to protect information from unauthorized access maintaining privacy in our personal communication is something everyone needs. here are algorithm such as algorithms like AES are used to achieve confidentiality in the data.

In this project, we are using Elliptical curve cryptography technique for sending the encrypted message from one Android device to another Android device. Elliptic Curve cryptography is a public key cryptographic system where the message is encrypted using the private key of sender and decryption is done using sender's public key and the receiver's private key.

Screenshots of the Project / Photos of Working Model :



Krishna kashid(krishnakashid1@gmail.com)

Project Guide: Mrs. Ashwini Koyande

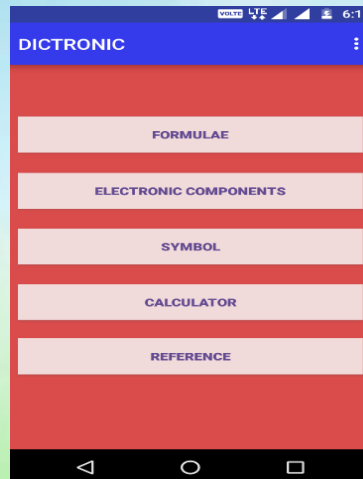
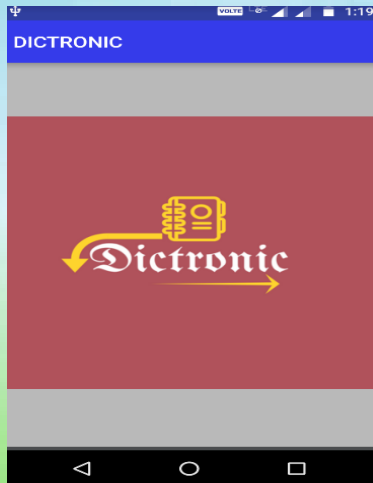
Applications :

1. To keep data secure throughout the process

DICTRONIC (Android Based)

Brief idea of Project : The application allow the user to get information about various electronic components . User can calculate some of the electronic problems and conversions. Simple user interface to help any user to get the things quickly. User can store his own information about any component can store formula and any other information and can update delete that information

Screenshots of the Project / Photos of Working Model :



Lokesh Sonkusare
(lokeshsonkusare1@gmail.com)

Vipul Rane (we.pullrane@gmail.com)

Project Guide : Ms. Geeta Sahu

Applications :

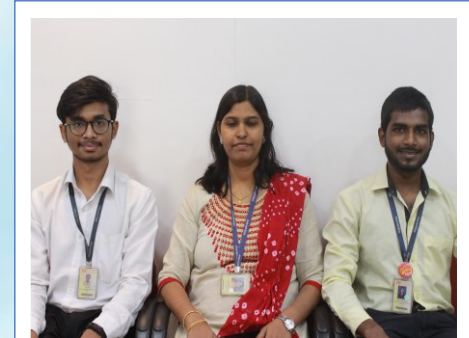
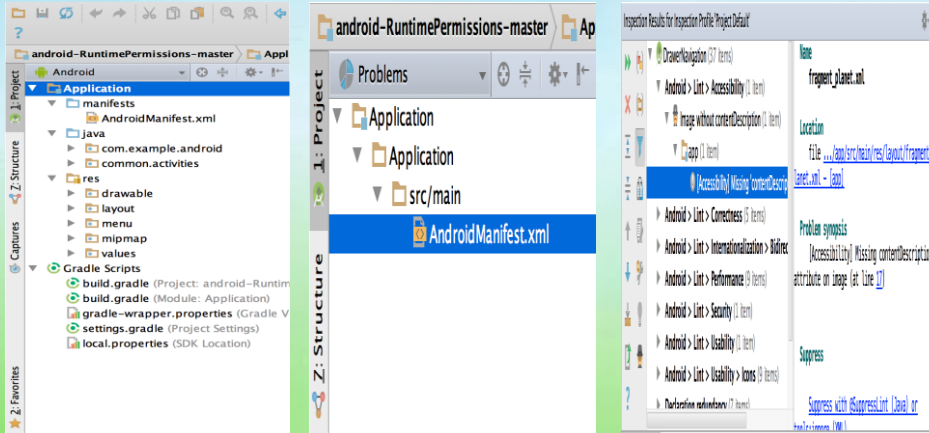
- The application will be designed for Electronic Components. User can get information about components easily.
- Natural language processing feature will be provided for easy search.
- The information will be supported with pictures.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra –Vihar -No

GPS fencing & security system (Android Based)

Brief Idea of the project A Gps fence is a virtual perimeter of interest that can be set up to fire notifications when it is entered or exited, or both. Here in this system we present you Gps fencing & safety system in 3 different roles; Human Tracking, Destination reminder and Fencing system. The solution proposed in this project takes advantage of the rich feature offered in Android smart phones. The architecture of system built on two main components, GPS satellite, and telephony services .Finally like any software product or design, there is still room for enhancements. Feature can be added to enhance the system such as Gps-fencing, emergency alerts and many others.

Screenshot of project :



Sujraj Adak

surajadak200@gmail.com

Mohd Azam Hashmi

mdazam7379060510@gmail.com

Project Guide : Ms. Geeta sahu

Application:

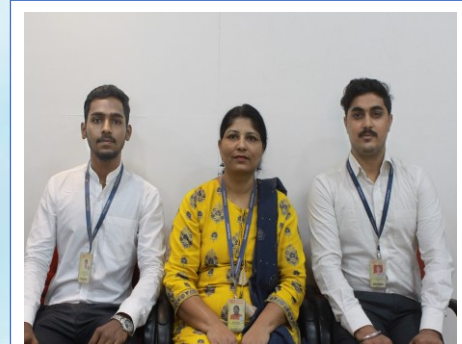
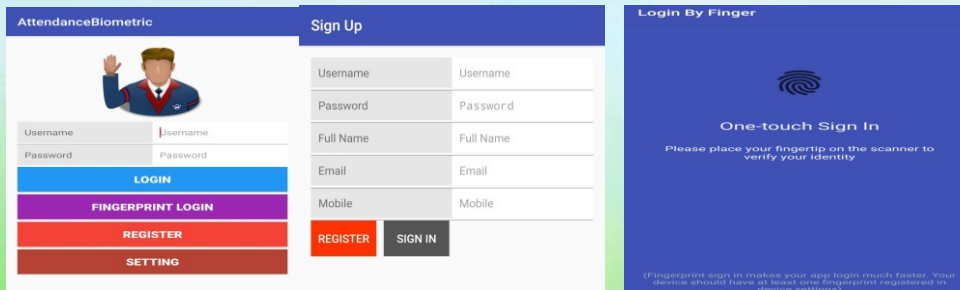
1.Tracking is done and showed on Google maps. Gps-fencing feature can be effective to monitor workforce movement and activities in a given locality.

2.Through the use of Gps-fencing the worker's movement and recess time can be monitored remotely. Geo-fencing can easily offer better control over transport in the time of need

Biometric Attendance

Brief idea of Project : We are in the age where we have to think about sustainable development. Managing the attendance using mobile phone's fingerprint scanner will provide an alternative way in this direction. The project emphasize on the development of a standalone system that can track the attendance of the employee with the help of Wi-Fi Communication and fingerprint scanning. Our application initiates Wi-Fi service for recording attendance of employee using cell phone's fingerprint scanner and for calculating salary of the employee. This smart application will connect and report to attendance server.

Screenshots of the Project / Photos of Working Model :



JithendherGaddam(jith97gaddam@gmail.com)
ShubhamSharma(shubhamsharma021098@gmail.com)

Project Guide : Ms. Janhavi vadke

Application:

1. User can use fingerprint sensor for marking attendance.
2. Application can be used at several places such as
 - Hospitals ,Hotels, IT sectors ,etc.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:

RESTAURANT FOOD ORDERING APPLICATION FOR TRAIN PASSENGERS

Brief idea of Project : Ordering the food online while travelling by train provides more comfort for the users in ordering the food. It avoids the unhygienic food from railway catering system. Passengers have many restaurant options in their selected destination. The passengers can overcome the problems faced regarding their food need as there will be provided the restaurant menu card, which will give them various food options to order. Passengers can also track their order. Payment only done when order is received by passenger as cash on delivery option is available.

Screenshots of the Project / Photos of Working Model :

The image displays three sequential screenshots of the RailFood application interface. The first screenshot shows a login/signup screen with a green header 'RailFood', an 'Email' input field, a 'Password' input field, and two buttons: 'LOGIN' and 'SIGNUP'. The second screenshot shows a registration form with a green header 'RailFood', a 'Name' input field, a 'NR' input field, a 'Contact Number' input field, a 'Home Number' input field, and a 'CONFIRM' button. The third screenshot shows a confirmation screen with a green header 'RailFood', 'Current Station' and 'Receive Station' input fields, a 'CONFIRM' button, and a 'Details saved successfully!' message at the bottom.



Shekhar K.(Kalugades7@gmail.com)
Silvano D (silvanodsouza71@gmail.com)

Project Guide : Mrs. Leena Jadhav

Applications :

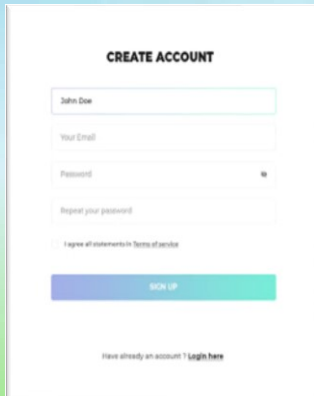
1. Restaurant food ordering service for passengers in the train.
2. Passengers have choice to choose different restaurant food by their choice.

Forever Fitness (Mobile Application)

Brief idea of Project :-The project objectives are fairly straightforward, the first objective is that the users will be able to keep track of their current exercise, food, and water statistics through continuous usage of the app, this means that the all data about their health, will be logged and saved into the database for further process and then display to the users when it is needed.

The users can have a better idea about their lifestyle since they can keep track and the stored data in organized form.

Screenshots of the Project / Photos of Working Model :



Vishnu Gawade
(vishnugawade90@gmail.com)
Vikrant Chaubey
(vikrantchaubey33@gmail.com)

Project Guide : Ms. Madhavi Amondkar

Applications :

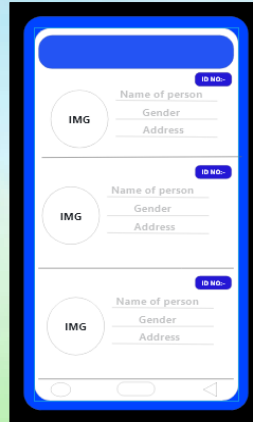
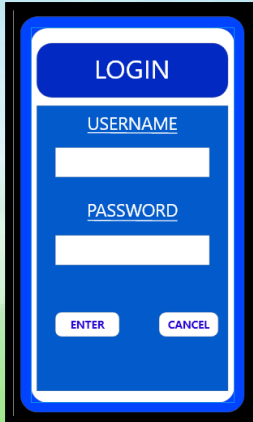
1. Tons of information will be available in the mobile application so that the users can be provided with useful as well as helpful tips and tricks about health to make their life healthier than before.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify: NA

Missing person Finder (Mobile Application)

Brief idea of Project : Thousands of people are missing and there is no results of getting back the person. Going to police station and writing a complaint on missing person which contains lots of documentation work and then too there is no guaranteed results of getting back the missing person. To this problem we have developed an application where one can view our application and add a photo and information of the missing person. So by adding information of the missing person will get a notification to all the people who are using this application and one can also share this in social sites like WhatsApp, Facebook, etc.

Screenshots of the Project / Photos of Working Model :



NavinKumar Rachakonda
(rachakondan8@gmail.com)
SaikiranThota(saikiranthota96@gmail.com)

Project Guide : Ms. Madhavi Amondkar

Applications :

A platform to connect Police Officers, Normal persons for finding missing persons.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify: NA

Missing person Finder (Mobile Application)

Brief idea of Project : In this project an approach for Human computer Interaction (HCI) is done, where we have tried to control the mouse cursor movement and click events of the mouse using hand gestures. Hand gestures were acquired using a camera based on color detection technique. This method mainly focuses on the use of a Web Camera to develop a virtual human computer interaction device in a cost effective manner.

Screenshots of the Project / Photos of Working Model :



Jitendra Pandey
(jitendrapandey1999@gmail.com)

Project Guide: Ms. Madhavi Amondkar

Applications :

In this project, we have tried to provide a review on different technologies for the virtual mouse. To work with a computer mouse and Keyboard are the very essential input devices. To solve this problem virtual keyboard and mouse is developed.

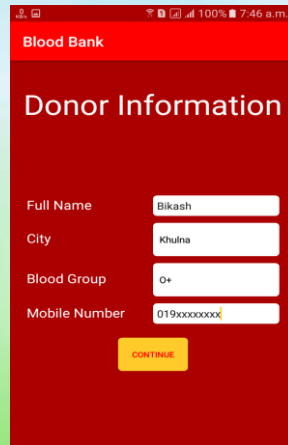
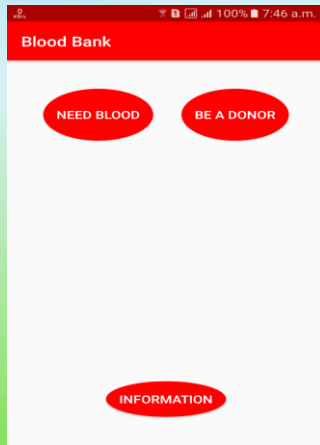
Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify: NA

ANDROID BLOOD BANK APPLICATION

Brief idea of Project :

The need of developing this application is to reduce the time to a great extent that is spent in searching for the right donor of the required blood group. Now-a-days, large number of blood donor are attracted towards using an android application as it helps users to easily find donors of matching blood groups in their nearby location and access their mobile numbers for instant help. Only a registered general person, is willingness to donate blood, then we will be able to access the service.

Screenshots of the Project :



Satyaveer Baraie
(satyabaraie24@gmail.com)
Rohit More (rmore4747@gmail.com)

Project Guide: Ms.Mithila Satam

Application:

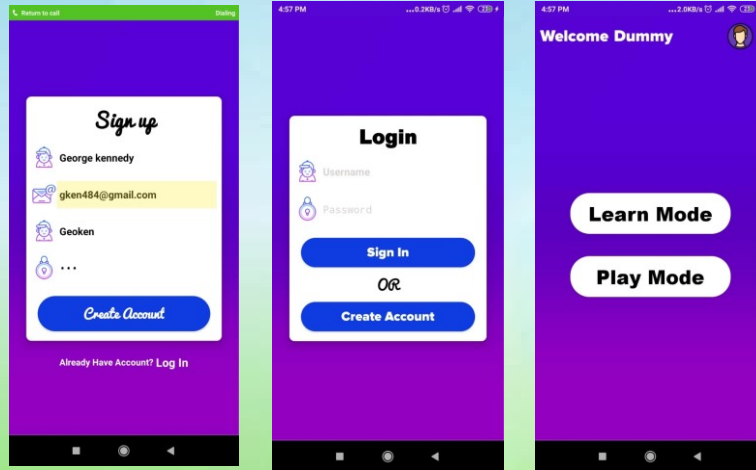
Useful for quick access of blood required for a specific person of a specific group in the vicinity quickly .

Rhythmically (Mobile Application)

Brief idea of Project : Rhythmically is an application created for learning instruments and with lots of fun features. We see many applications in the play store but there are certain features that our application provides that are not available in the previously developed applications.

Other music learning applications claim to provide an ease of learning the instruments whereas fail to provide it. We make sure to provide the perfect guidelines to the user for using our applications. Many applications teach the instruments to the user at an amateur level which generally is tough for the users to cope up.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar



Gayatri Mudaliar
(gayatri.mudaliar27@gmail.com)
Tanushree (roytanu199959@gmail.com)

Project Guide : Ms. Pallavi Tawde

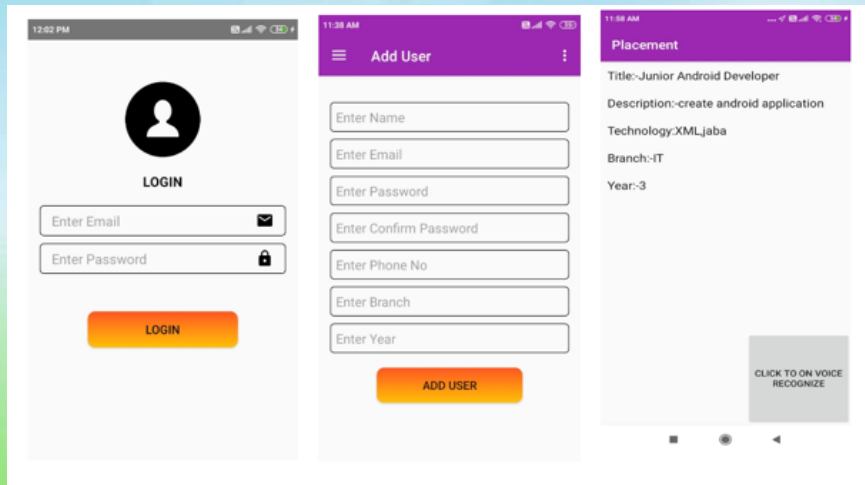
Applications :

Our application is a free application. It can be used to learn instruments in an easy manner. It is not only a musical instrument learning application but also a music creating application, so whenever a user feels bored, he or she can create music using the feature GROOVE PAD.

V-APP for Blind Students (Mobile App)

Brief idea of Project : Many people living with blindness. Blind people can't do any visual tasks. Now a days, use of technology has increased. This application has come up with new technology, this application provide new technique for blind people. This application is made for people who depends on other person. Voice Actions are a series of spoken commands that let you control your phone using your voice. Speech recognition is technology that uses desired equipment and a service which can be controlled through voice without touching the screen of the android smart phone.

Screenshots of the Project / Photos of Working Model :



Simran Malim (simranmalim51@gmail.com)
Preetha Elangovan
(preetha.elangovan@gmail.com)

Project Guide : Ms. Pushpa Mahapatro

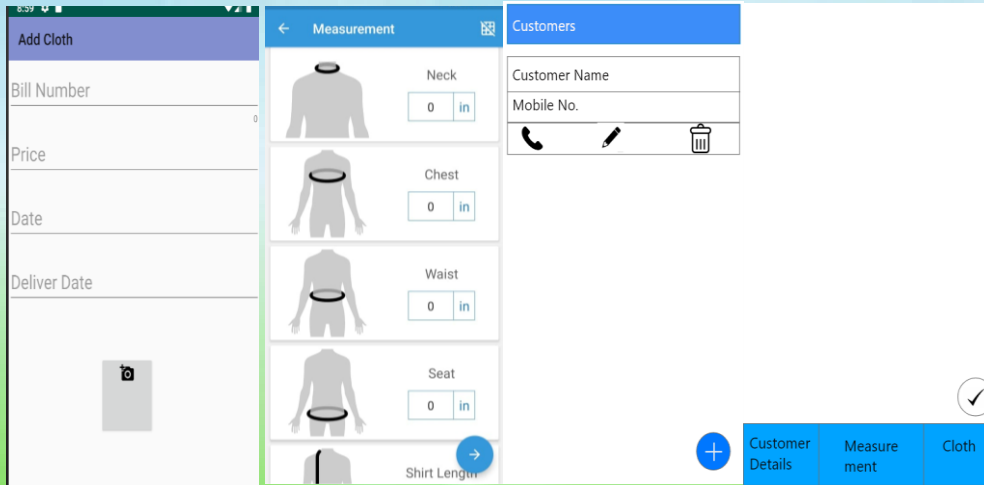
Applications :

This system is very useful for the blind user as they can access the app whenever and wherever they want without depending on others.

Smart Tailor App

Brief idea of Project : The aim of the project is to improve the facilities related to Tailoring process, which provisions the tailor in getting essential help about the Tailoring procedures of Tailors and Fashion designer. Tailoring is the process that includes different types of activities such as measurement of customer, store the data of customer, supporting them to register with their design of suite. This mobile APP store the measurement of the customer. In this application system even gives great support to Tailors and fashion designer through which they can totally reduce the paper usage for storing the information about customers measurement.

Screenshots of the Project / Photos of Working Model :



Ankit Kumar Gupta
(gankit0701@gmail.com)

Sharof Khan
(shahrukhskhan10@gmail.com)

Project Guide : Ms. Rohini Desai

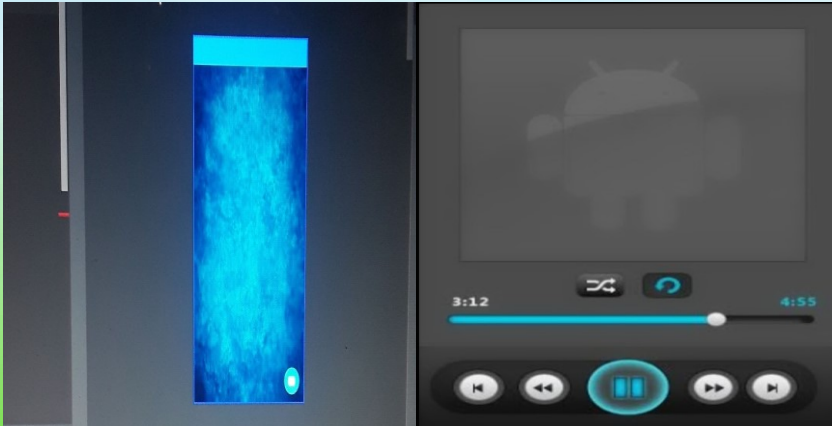
Applications :

1. A platform to connect Tailors with customer online as well as offline.
2. People can volunteer for social causes.

SOUNDWAVE MUSIC APPLICATION

Brief idea of Project : The aim of the project is to make a music application to listen to your favourite song and explore new songs relevant to your favourites Music is part of our life and everyone are bound to it. Songs and music have been a form of relaxation and entertainment since ages and now in our modernization period, we certainly need to evolve our way to listen to music. This music application is different from others. Instead of traditional way of searching and streaming a song, you can actually follow your friends who are using this application and not only this but you can also listen to what they're into. So with traditional music application we combine what's new or rare in the market.

Screenshots of the Project / Photos of Working Model :



Jerome Pessó
(jeromepessoddlb@gmail.com@gmail.com)
Vedank jagtap (vedj531@gmail.com)

Project Guide: Ms. Rohini Desai

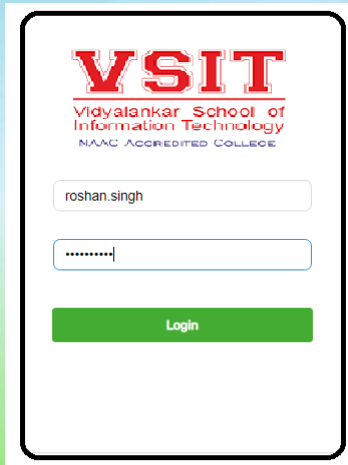
Application :

The application users will be more socially active and with new features they can easily share and explore new songs with new and innovative way of discovering new songs

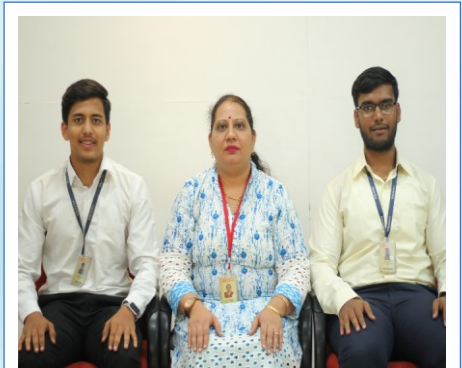
COLLEGE ERP SYSTEM (ANDROID APPLICATION)

Brief idea of Project : The main aim of developing this application is to make the college erp system website portable. That means it can be used anywhere and anytime. College ERP System android application is built to save time. Instead of logging again and again in the pc, this application helps you to logged in once and can be done through mobile phones. This application includes:- RAILWAY CONSESSION FORM, ANNOUNCEMENTS, TIMETABLE. This application is easy to use and user friendly interface.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:



ROSHAN SINGH
(roshansingh1499@gmail.com)
KEDAR JOSHI (kedu112@gmail.com)

ProjectGuide :Ms.SanjeelaSagar

Applications :

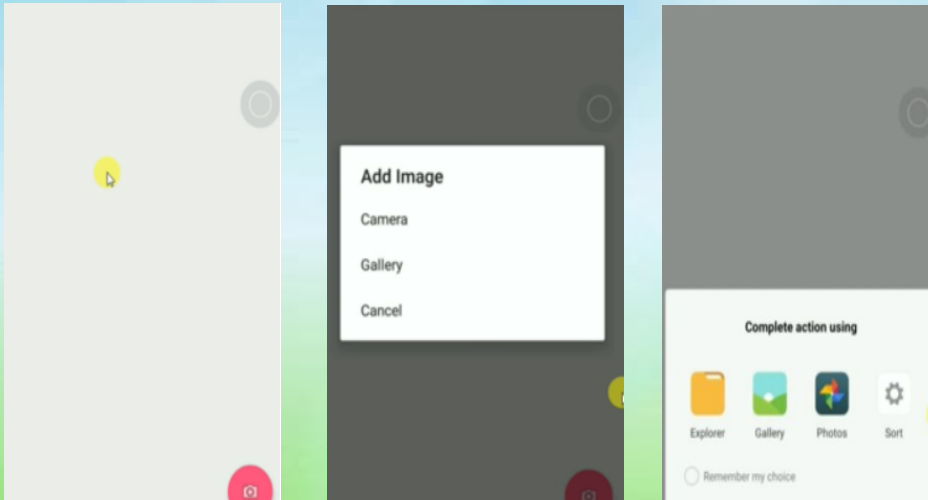
- ✓ **Easy to use**
- ✓ **Can be used anywhere and anytime**
- ✓ **Website data in the form of android application**
- ✓ **Shows TIMETABLE, RAILWAY CONSESSION, ANNOUNCEMENTS.**

Fruit Image Scanner

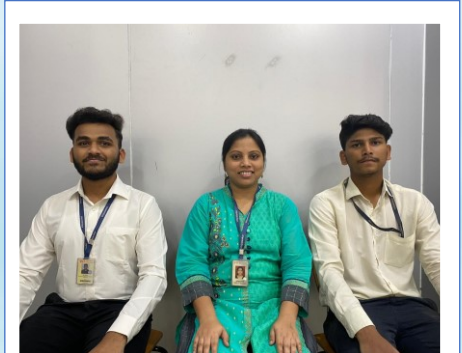
Brief idea of Project :

Due to the growing demand of quality fruits an reliable identification and classification mechanism to handle the bulk of data are implemented. We are creating and android application where it allows you to take the picture of the fruit and it will display the name and nutrition of the fruit

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar



Raj Shinde (rajshinde1029@gmail.com)

Manthan Gidi (manthangidi@gmail.com)

Project Guide : Ms. Seema Murkar

Applications :

- Easy to classify fruits.
- It shows you the nutritional values of fruits.

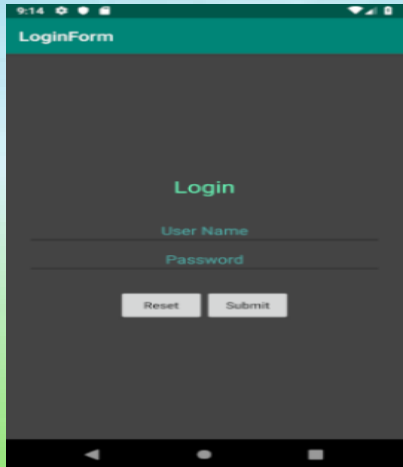
Android Application for Indian Genseiryu Karate Federation (Android App)

Brief idea of Project : The proposed project is for Indian Genseiryu Karate Federation(IGKF) which is an organization which trains and conducts tournaments for the students.

.As tournament ends there are bundles of results in front of officials that are hard to maintain and store .For now, these results are usually stored in hard files and then later records are made in Excel Sheet.

So, this Mobile application will make this work of storing and maintaining data easy for the organizers and here data will be more secure as here all data will be saved in the server.

Screenshots of the Project / Photos of Working Model :



Shahrukh Shirgaonkar
(shahrukhshirgaonkar900@gmail.com)
Milan Dharaviya
(milan27121999@gmail.com)

Project Guide : Ms. Seema Vishwakarma

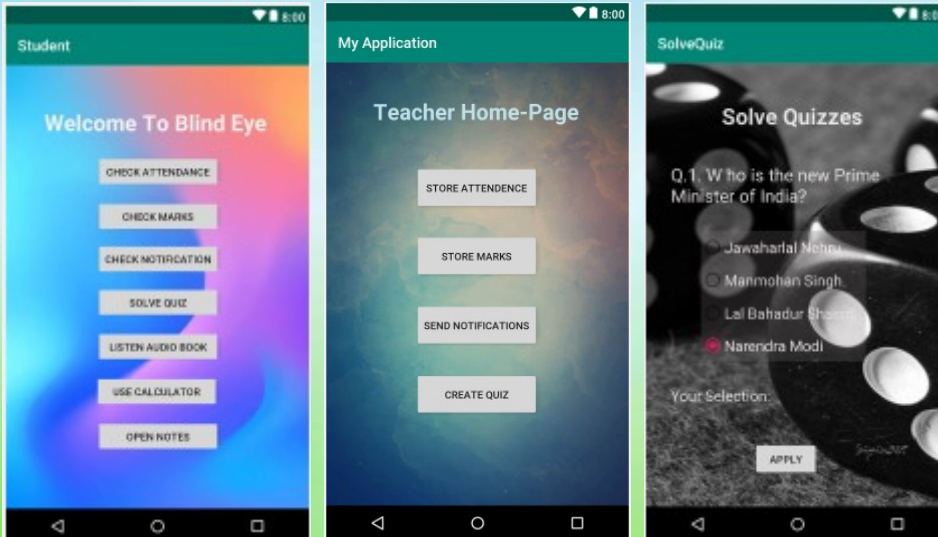
Applications :

1. The main use of the application is that it will keep all the records of current as well previous tournaments and there will be no loss of data.
2. Saving of Time and Cost.

Blind-Eye (Android Application)

Brief idea of Project : In today's world, everyone has an active internet connection. But what for them who can't see? They always need someone who will help them in everything even if they have smartphones there is no use of internet if they can't able to see. For such blind students, we have made an app which can help them to ask about their attendance, marks, solve quizzes, listen to the audiobooks all over on a voice command.

Screenshots of the Project / Photos of Working Model :



Aryan Yadav
(aryanyadav9.2000@gmail.com)
Manasi Shingote
(mshingote4@gmail.com)

Project Guide: Ms. Spruha More

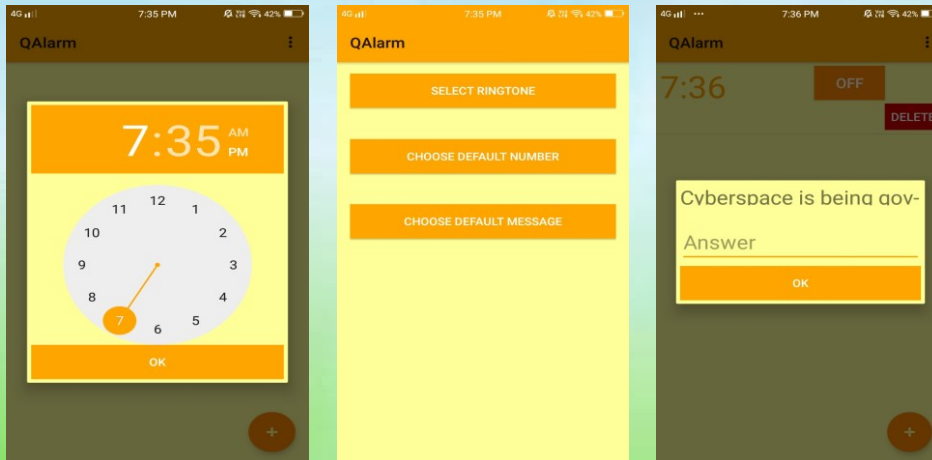
Applications :

1. A android app which will help blind students to ask about their scored marks, attendance everything through their voice.
2. Teachers can store the attendance, marks etc in the app only.

ANDROID ALARM SYSTEM(ANDROID APP)

Brief idea of Project :In today's era, time management is a big challenge for every one of us. We need to awake ourselves for completion of work on time. Alarm (Reminder System) help us to keep track on our task.. With the advancement in the mobile technology and availability of smart mobile devices and networks we can create a system which is useful for every person to wake up and check their knowledge levels. Alarm System like any other Alarm System on Android Device allows the user to set an Alarm. While Selecting the Alarm tone, the tone is play backed. This system has no option for snooze, but has a unique Activity to shut the Alarm Off. The Activity is a Simple Quiz of GK or Mathematical Questions.

Screenshots of the Project / Photos of Working Model :



Awards If Any for TPP/Competitions/Paper Publication/Any Other PTs. Specify Project presented in Tantra - Vihar



Rashi Chavan(rashichavan18@gmail.com)

Shailaja

Gowda(gowdashailaja@gmail.com)

Project Guide : Mrs. Ujwala Sav

Applications :

- It has a unique activity of quiz whenever the alarm rings there is a pop up question.
- Default number and message option is added if we put the mobile number of someone with message then that message is send to that number when the alarm rings .

Embedded/ IoT

The Internet of things (IoT) is the internetworking of physical devices, vehicles (also referred to as "connected devices" and "smart devices"), buildings, and other items—embedded with electronics, software, sensors, actuators, and network connectivity that enable these objects to collect and exchange data.

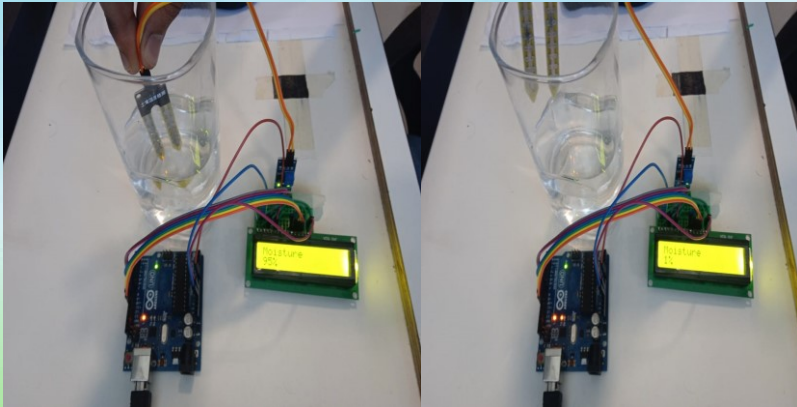
IoT allows objects to be sensed and/or controlled remotely across existing network infrastructure, creating opportunities for more direct integration of the physical world into computer-based systems, and resulting in improved efficiency, accuracy and economic benefit in addition to reduced human intervention.

When IoT is augmented with sensors and actuators, the technology becomes an instance of the more general class of cyber-physical systems, which also encompasses technologies such as smart grids, smart homes, intelligent transportation and smart cities. Each thing is uniquely identifiable through its embedded computing system but is able to interoperate within the existing Internet infrastructure.

Smart Agro(Embedded)

Brief idea of Project : **Project :** India is the agriculture based country. Our ancient people completely depended on the agricultural harvesting. Agriculture is a source of livelihood of majority Indians and has great impact on the economy of the country. This project helps users to automate for proper yield and handled remotely for farmer safety. Increasing energy costs and decreasing water supplies point out the need for better water management conditions.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar



Aniruddha Narkar (aniruddh@gmail.com)
Abhishek Tanavade (abhi@yahoo.in)

Project Guide : Ms Akshatha Jain

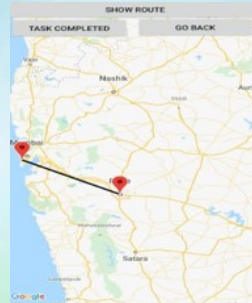
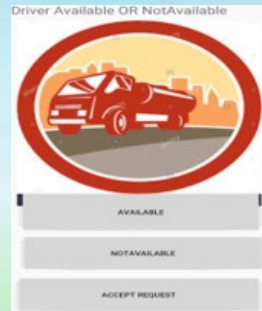
Applications :

1. Device that makes farming easy
2. Can be applied in maintenance system of farm
3. Can be use at home as holiday sprinkler

Smart sewage cleaning system (IoT)

Brief idea of Project: Smart sewage cleaning system deals with cleaning the sewage in smart way. A sensor attached at the lid of manhole detects the raise of sewage in manhole when waste in it gets clogged. A notification is sent on sensing rise of sewage to an app held by the driver which accepts the request sent by that manhole. The app guides the driver from his current location to the location of sewage raised manhole. The truck deals with cleaning the sewage with a robotic arm using less manpower. The sewage collection tank in the truck consists of a net which helps to segregate waste and water. A buzzer attached alerts the driver when tank gets full..

Screenshots of the Project / Photos of Working Model :



Gauri Nagre (gaurinagre4@gmail.com)
Misba Manekia
(misbamanekia133@gmail.com)

Project Guide : Ms. Amraja Shivkar

Applications :

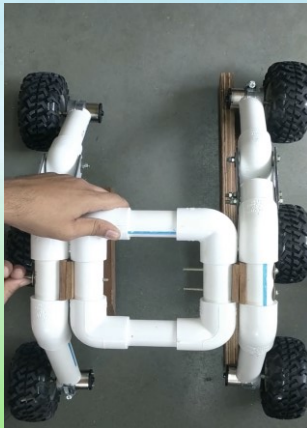
1. Sewage raised in manhole is cleaned before it overflows from it.
2. Less manpower is used to clean sewage and saves labours from causing chronic diseases by sewage waste

Achievements: 1st Prize at COSMOS Event (R.D National College).

MARS ROVER MODEL

Brief idea of Project : The aim of the project is to develop an android application control rover which provides an ease for the user using it. The user can control the rover in any direction user wants to. This system provides the facility for accessing and monitoring the rover and provides live streaming and GPS location through an android app in the system. It is also a cost-effective system. The rover is built in such a way that it can go to that places where humans can't. Mobile application is used as a transmitter and Bluetooth module is used as a receiver

Screenshots of the Project / Photos of Working Model :



Pratiksha Gokhale :-
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Niranjan Desai:-
niranjandesai321@gmail.com

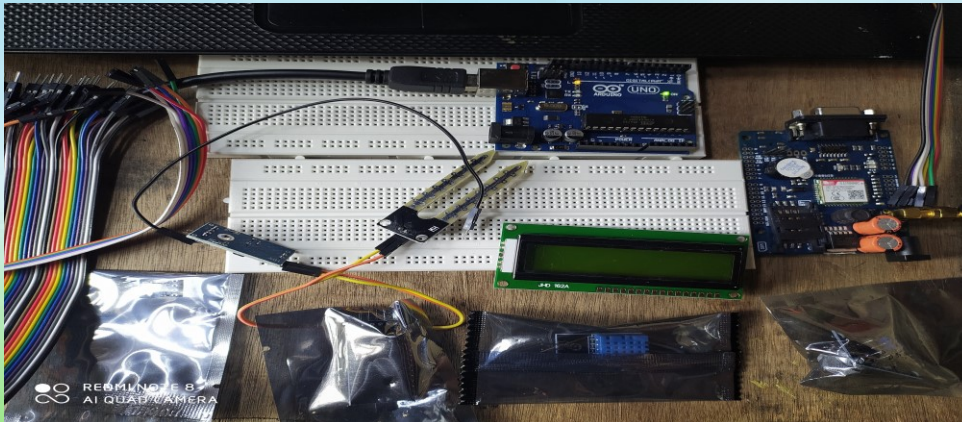
Project Guide : Ms. Ashwini
Kovande

- **Applications :**
- This can be control through android mobile application
- It can be used to manage and provide security
- The rover can be connected by Bluetooth module or Wi-Fi module.
- Ease of Accessing the System, from anywhere by using android phones from any point.

SMART AGRICULTURE

Brief idea of Project : The aim of the project is to provide a smart facilities and quick accessible functionalities for agriculture and relates surroundings to reduce some task of the farmer . We are going to construct a smart agriculture monitoring system which can collect circular agriculture data and send it to an IOT platform called Things peak in real time where the data can be logged and analysis .The overall motive of this project is to build a smart agriculture field management.

Screenshots of the Project / Photos of Working Model :



Sunil Yadav

sunil10102488yadav@gmail.com

Shivkumar Yadav

sternmanshivkumar@gmail.com

ProjectGuide :Ms. Ashwini Koyande

Applications:

- 1.This can be used by farmers and any rulaal area .
- 2.easy of accessing the system from anywhere by using android phones
- 3.Save time because witness need not to go to the farm to guard it.

SMART DUSTBIN WITH IOT NOTIFICATION (Embedded System)

Brief idea of Project : A Smart Dustbin that operates automatically to help solve this issue using IOT and sensor based circuitry. In this project, where the lid of the dustbin will automatically open itself upon detection of human hand. The dustbin consists of a level sensing ultrasonic sensor that constantly measures the level of garbage in the bin and sends a notification. Also a person needs to keep track when it is full so that it can be emptied and does not overflow.

Screenshots of the Project / Photos of Working Model :



Arduino UNO



Ultrasonic sensor



9g Servo motor



Jumper wires

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra –Vihar :No



Harish Avadutha
harish.avadutha@gmail.com
Vikas Jaiswal
vikasjaiswalvik@gmail.com

Project Guide : Ms. Geeta Sahu

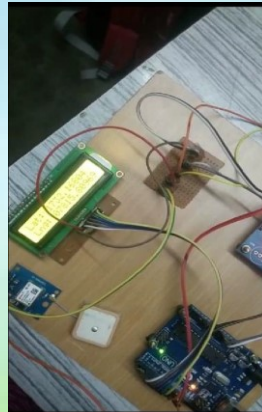
Applications :

- i. The dustbin opens automatically when it receives the signal and closes its hatch.
- ii. This machine will be user friendly as anyone could deal with it, it can be used in residential areas or compounds. Ultrasonic sensor

Vehicle Accident Alert System (Embedded System)

Brief idea of Project. The high demand of automobiles has also increased the traffic hazards and the road accident. Life of the people under the high risk. This is because of the lack of best emergency facilities available in our country So here we introduce vehicle with advance safety system which included feature of monitoring level of gas, if something can happened with the car then car then shock sensor will detect the accident then GSM device gets activated which will track vehicle locations and provide alert information in form of alarm and message display on LCD, And also send the message to the authorized person we include various opponents like shock sensor GPS,LCD .

Screenshots of the Project / Photos of Working Model :



**Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls.
Specify: Project presented in Tantra –Vihar :No**



Yash P More (yashmore299@gmail.com)
Abhishek Kawde
(Kawde.abhishek46@gmail.com)

Project Guide : Ms. Geeta. Sahu

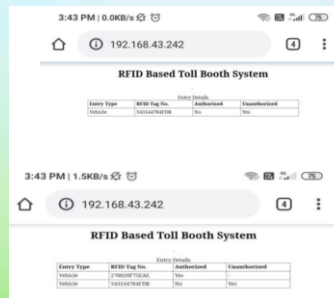
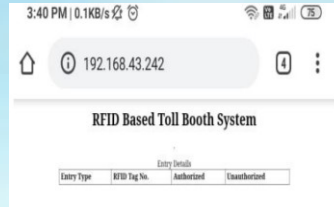
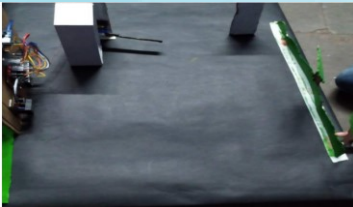
Applications :

1. This Project is use for safety of car and reduce the accident of car
2. People can use this devices more easily

Tollgate Controlling and Monitoring System (Embedded)

Brief idea of Project : Design a tollgate monitoring and controlling which is based on automatic system to save the time at toll gate and having cash free operation" As the name suggests "Automatic" is the key theme of our project is the automation. So here, we will just discuss about the overlook of what is mean by Automation. Therefore, in very simple language the Automation means to replace the human being with the machines to reduce human work. Means machines now perform the work done by the human.

Screenshots of the Project / Photos of Working Model :



Laxmi Yadav
(yadavlaxmi454@gmail.com)
RajalaxmiKatkum(ravalikprg123@gmail.com)

Project Guide : Mr. LAXMIKANT MANCHEKAR

Objective :

- ✓ Track unregistered vehicles details.
- ✓ Reduce the time.

Awards if Any for Competitions: SynTech –X '19-20'

TRAFFIC LIGHT PRIORITY CONTROLLER FOR AMBULANCE

Brief idea of Project : Traffic congestion and transportation delay on urban requirements are increasing worldwide. Traffic signal is the significant issue to control traffic lights in vehicle systems. To improve the safety for both pedestrians and the vehicles Traffic signal is must. Emergency vehicles, like Ambulance have responsibility to reach patients or those who are met with accidents have to quickly transfer them to hospital. Due to traffic signals they may be delayed for rescue operations. Our paper define how traffic signal lights will detect emergency vehicles how to manipulate the traffic light and how to provide free way to emergency vehicle.

Screenshots of the Project / Photos of Working Model :



Pratik Potdar
(pratikpotdar0803@gmail.com)
Atharva Chavan
(atharvachavan04@gmail.com)

Project Guide : Mr. Laxmikant Manchekar

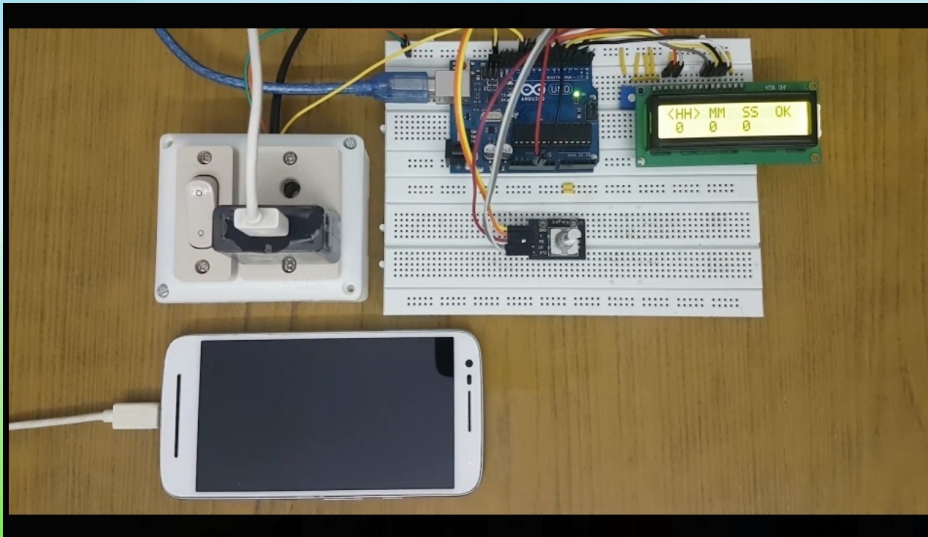
Applications :

1. The problem of traffic light control can be solved by RFID based system. With this system, we can consider the priority of different type of vehicles and also consider the density of traffic on the roads by installing RF reader on the road intersections.
2. Lot of time is saved at signals.
3. Solve Traffic Issues.
4. Vehicle Identification Is Easy.
5. Reliable

SMART BATTERY CHARGER (IOT)

Brief idea of Project : A smart battery is a rechargeable battery pack with a built in battery management system, usually designed for use in portable smartphones. A smart battery charger is mainly a switch mode power supply that has the ability to communicate with a smart battery pack's battery management system in order to control and monitor the charging process. The charge process is controlled by BMS and not the charger, this increasing the security in the system.

Screenshots of the Project / Photos of Working Model :



Nikhilesh Pednekar
(nikhilesh1932@gmail.com)
Gaurang Supal
(supalgaurang@gmail.com)

Project Guide: Mr. Laxmikant Manchekar

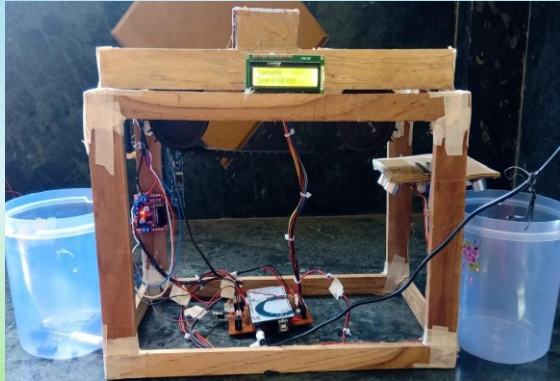
Applications :

A typical smart charger fast charges a battery upto about 80% of its maximum capacity in less than an hour.

Garbage Segregation (Embedded)

Brief idea of Project : The detection, monitoring and management of wastes is one of the primary problems of the present era. The traditional way of manually monitoring the wastes in waste bins is a cumbersome process and utilizes more human effort, time and cost which can easily be avoided with our present technologies. This is our solution, a method in which waste management is automated. This project proposes implementation of an automated waste segregator at household level using Arduino micro-controller, to control the entire process with ease and simplicity.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar



Shreya Moily
(shreyamoily9011@gmail.com)

Mrunal Chavan
(mrunalchavan158877@gmail.com)

Project Guide : Ms. Pallavi Tawde

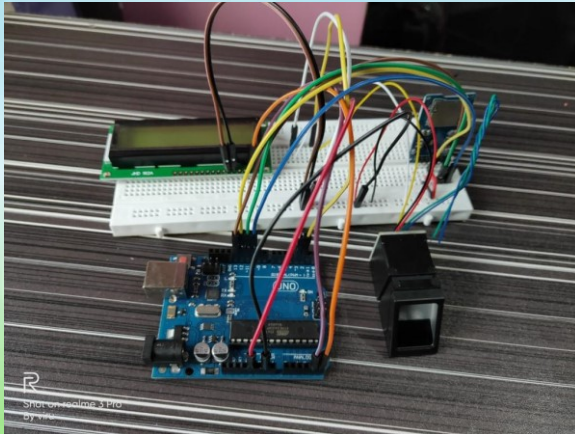
Applications :

1. Segregates waste using sensors and Arduino.
2. Manages different sorts of waste.

Fingerprint based student attendance system

Brief idea of Project : In our project the main focus will be on improving the current student attendance system. Current System uses roll call and attendance sheet for recording the attendance of the student. which is not as secured and easy as it is more tiresome manually as compared to automated as proposed in our system. We are developing a compact device which can replace the attendance sheet to record the attendance of system by using the biometric Fingerprint of the student.

Screenshots of the Project / Photos of Working Model :



Gandhar Bodulkar
(gandharbodulkar@gmail.com)

Virendra Badbe
(virendrabadbe99@gmail.com)

Project Guide : Ms. Payal Shah

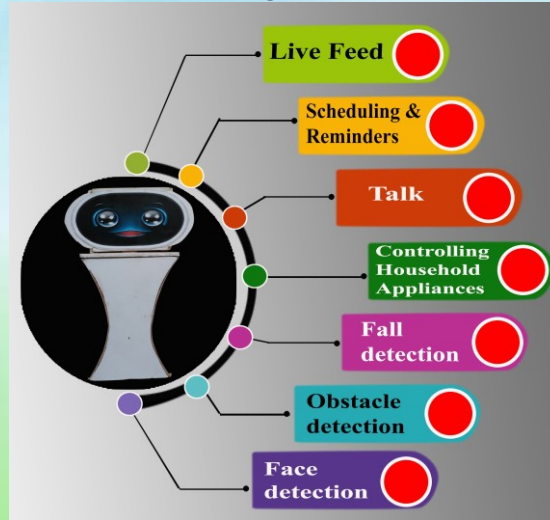
Applications :

1. Schools,colleges,offices and other firms where there is need for attendance of personals

Smart Robot Companion (IOT/Embedded)

Brief idea of Project : In the present scenario considering the fast-paced life people are living, taking care of their parents and kids becomes a tedious and time-consuming affair. To overcome this problem, we are making a robot which will take care of all these things. It is a multipurpose robot which can be used for taking care of kids, senior citizens and physically challenged people. It is a personal digital assistant which can make their day to day life easy. It will be a friend to the kids and companion to the adults.

Screenshots of the Project / Photos of Working Model :



Nishant Ambre(nishantambre1999@gmail.com)
Srushti Nangare(srushtinangare@gmail.com)

Project Guide : Ms. Maitreyi Joglekar

Applications :

- Set schedule and reminders (kids and elderly)
- 24x7 live feed (parents)
- Interaction to bond with kids
- Face Recognition for security
- Obstacle Detection for its movement
- Fall Detection (elderly)
- Controlling household Appliances

Awards:

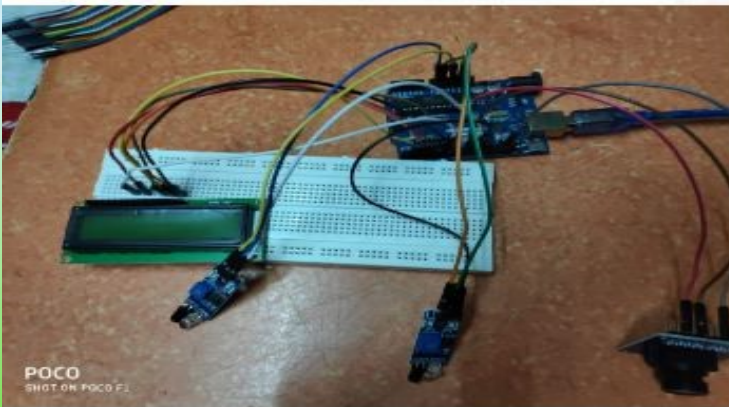
Won the Zonal Round of Avishkar Research Convention 2019 & 3rd prize in Technovanza 2019(VJTI)

CAR SPEED DETECTOR (IOT/Embedded)

Brief idea of Project :

- To design an automatic and versatile systems that address the issues of over speeding without use of human resources.
- To detect the speed of the over speeding vehicle and display the speed of the vehicle.
- To make less use of human resources to check this issue can be very tedious and time consuming.
- Reporting illegal speeds to central server if the driver continues with the high speed.
- Designing speed monitoring system to monitor the speed of travelling vehicles in highway.

Screenshots of the Project / Photos of Working Model :



Saikiran Jakkula(saikiran.j38@gmail.com)

Siddhesh Kadam
(kadamsiddhesh290898@gmail.com)

Project Guide : Ms. Maitreyi Joglekar

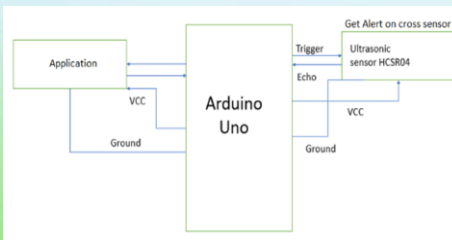
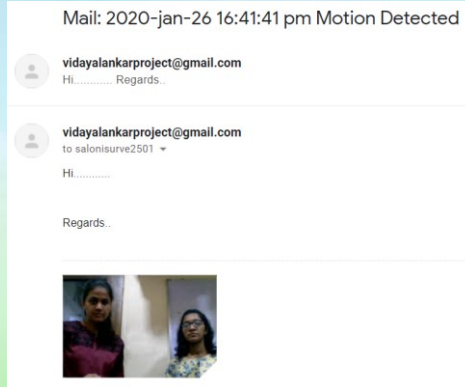
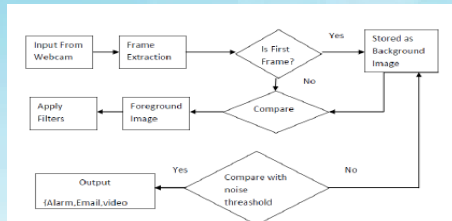
Scope & Applications :

- Road Safety: The timely checking of the over speeding vehicle will reduce high percentage of road accident.
- Automation in law enforcement: The system being completely automatic, reduces the number of traffic police officers need to deploy in the real field for checking speeding vehicles.
- Helps in capturing speed of vehicles without any human involvement.
- traffic logger, traffic counter

HOME AUTOMATION WITH SECURITY SYSTEM (IOT/Embedded)

Brief idea of Project :The “Spy” generally developed to monitor suspicious movement in a company or home during when we are not in the place. Organizations today face new and more insidious threats than they ever have in past. To protect personnel and infrastructure alike requires a level of vigilance not previously anticipated. One approach is to detect and recognize the actions of individuals within a scene.

Screenshots of the Project / Photos of Working Model :



Saloni Surve (salonisurve2501@gmail.com)
Avina Naik (avinanaik55@gmail.com)

Project Guide : Mrs. Maitreyi Joglekar

Applications :

1. A platform to connect NGOs, NPOs, donors and locals online as well as offline.
2. People can volunteer for social causes.

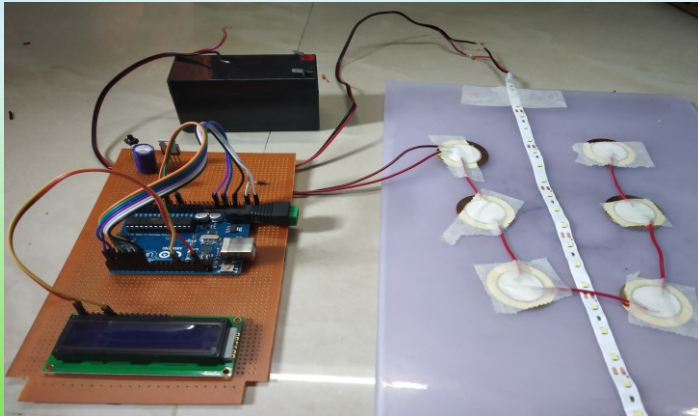
Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar

Advanced Footstep Power generator (IOT/Embedded)

Brief idea of the project:

- This project is used to generate voltage using footstep force. The proposed system works as a medium to generate power using force.
- To overcome the problem of energy wastage it can be converted to usable form using the piezoelectric sensor. This sensor converts the pressure on it to a voltage.
- So by using this energy saving method, that is the footstep power generation system we are generating power.

Screenshots of the Project / Photos of Working Model:



Shubham Shelke (shubhamdilip0802@gmail.com)
Shantanu
Chaughule(shantanuchaughule@gmail.com)

Project Guide : Mrs. Maitreyi Joglekar

Applications:

- This project is very useful in public places like bus stands, theatres, railway stations, shopping malls.
- These systems are placed in public places where people walk and they have to travel on this system to get through the entrance or exists.

SMART LOCK DELIVERY MODULE(Embedded)

Brief idea of Project : In the current scenario, if you buy an expensive product there is a chance of tampering. To avoid such type of tampering we can make a smart lock delivery module. In this module we make an embedded device which is stick to the product which we buy a product we get a notification about ID Of product from source we have to enter an ID on module if the product is temper then the ID login is failed. If not, then there is no any tamper with product. Which will be help the customer save the important time or money.

Screenshots of the Project / Photos of Working Model :



Raspberry Pi model



Proxy meter sensor



Suraj Nishad (nsurajkuar99@gmail.com)
Abhishek Yadav(ay63274@gmail.com)

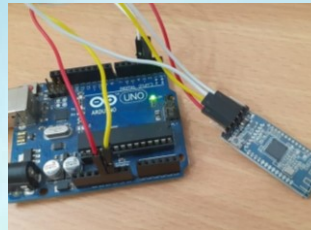
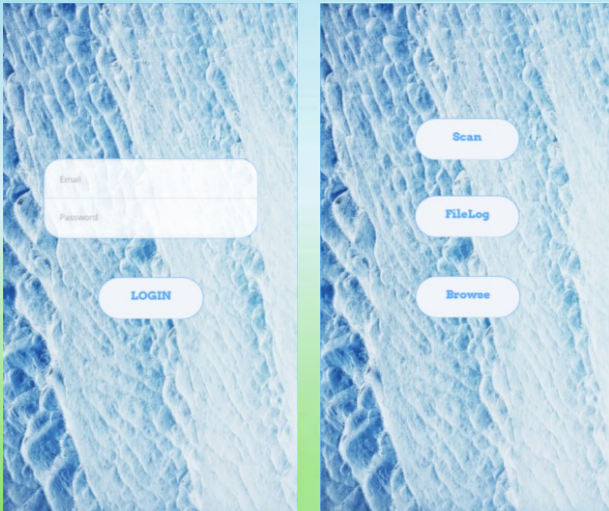
Project Guide: Ms.Mithila Satam

Application:

Useful in protection of expensive devices delivered through various packages

BLE Notification System (IoT)

Brief idea of Project : The traditional way of informing people about something in the college was to pin something on the notice board, go for class to class announcements or campaign in the corridors in order to communicate something or even using WhatsApp groups. While these methods have served the environment well enough there is still room for improvement and innovative ideas that can enhance this type of communication. BLE Notification System uses the calm and ambient properties of the IoT technology and provides important notices as notifications to concerned members of the college.



Yash Bhanushali
(yash.bhanushali@vsit.edu.in)
Karishma Bahl
(karishma.bahl@vsit.edu.in)

Project Guide : Ms. Mithila Satam

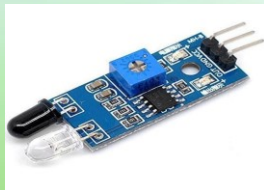
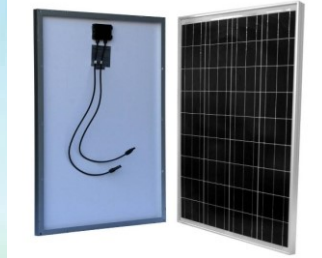
Applications :

1. Proximity campaigns.
2. Local marketing.

SOLAR POWERED IOT BASED SANITARY NAPKIN VENDING MACHINE

Brief idea of Project : This work aims at installing an automatic napkin dispenser on dropping of coins in toilets and places with the feature of intimating the person concerned through notification on an application for refilling the Napkins in the machine. We will also be creating an application for the user to know some aspects such as total amount of machine present, quantity of pads available. And the whole system to be work on solar energy.

Screenshots of the Project / Photos of Working Model :



Chinmay Karpe
(karpechinmay29@gmail.com)

Viraj Jadhav (jadhavviraj1@gmail.com)

Project Guide : Mrs. Mithila Satam

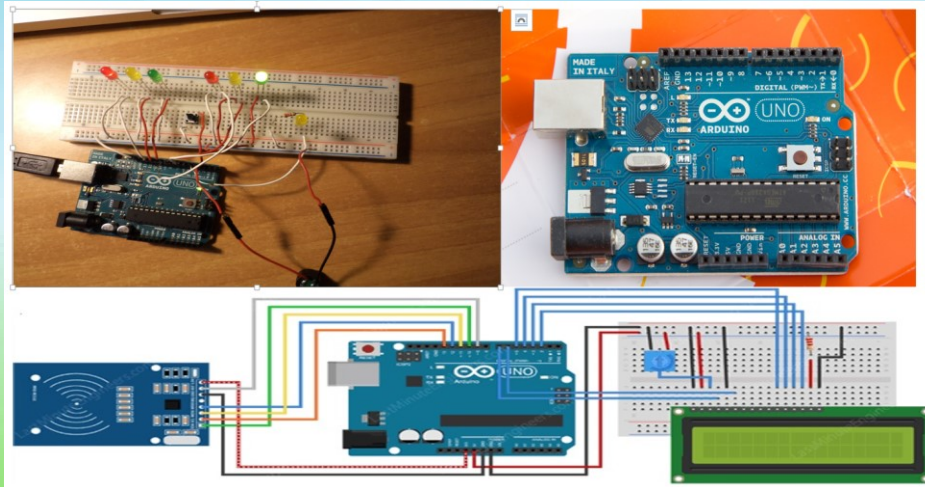
Applications :

- The system would be user friendly.
- The application offers total number of machine present, quantity of pads available.

SMART SIGNAL

Brief idea of Project :- Traffic Police undergo a lot of problems with vehicular traffic on a regular basis. Many times they have to resolve issues which is generally caused around traffic signals as vehicles fail to stop before the white line or stop on the zebra crossing. Solving these kind of problems is a regular feature for the traffic police, as they do it on a daily basis. Understanding this scenario we are creating an embedded solution to resolve this problem faced on a regular basis by traffic police. This solution will not only enable the traffic police to ensure that vehicles are following traffic signal rules but also allow pedestrians to cross the road in a safer manner near traffic signals.

Screenshots of the Project / Photos of Working Model :



Arshad Shaikh
(shaikharshadsabir@gmail.com)
Aditya Thombare
(adityathombare18@gmail.com)

Project Guide : Mr. Prabal Das

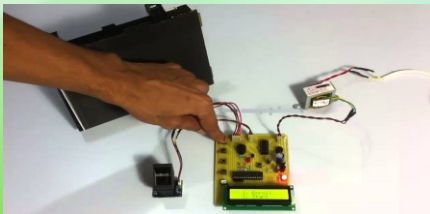
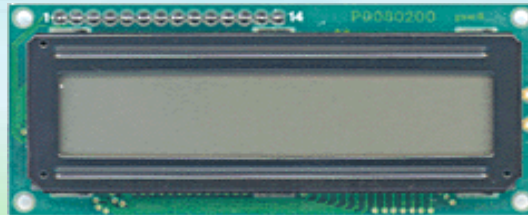
Applications :

1. The main applicability of the product is near traffic signals.
2. This product can be used in societies at their entry and exit points.
3. This product can be used in public parking places.
4. With slight changes it can be used at offices and malls for security check purposes.

FINGERPRINT BASED EXAM HALL AUTHENTICATION

Brief idea of Project :Authentication has always been a major challenge in all types of examination. Verification of the authentic Student is not an easy task, and also it takes a lot of time and process. So that's why we propose this project Fingerprint Based Exam Hall Authentication. In this project the Student who is verified by their fingerprint scan is allowed for examination and block non-verified Student. For that the Student need to first scan his fingerprint if the fingerprint is authorized the door is open for student.

Screenshots of the Project / Photos of Working Model :



Vinod Jadhav
(jadhavvinod47@gmail.com)
Nilesh Bind (nileshbind1997@gmail.com)

Project Guide : Mr. Prabal Deep Das

Applications :

The system is used to prohibit the invalid students from attending the exam. The system is work as follows, first it checked the fingerprint is valid or not. when the student put their finger on the fingerprint module if its valid the door is open for student.

Chat Board Using Google Assistant

Brief idea of Project :The main objective of this IOT based Chat board is to Provide some smart and quick accessible functionalities for a person to control his/her home appliances. With this a person can access his/her appliances through mobile application and also through Google assistant from anywhere .

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:



Tejas Sawant :-
(dudetej.25@gmail.com)

Sai Dewoolkar :-
(saidewoolkar99@gmail.com)

Project Guide :Rajendra Patole

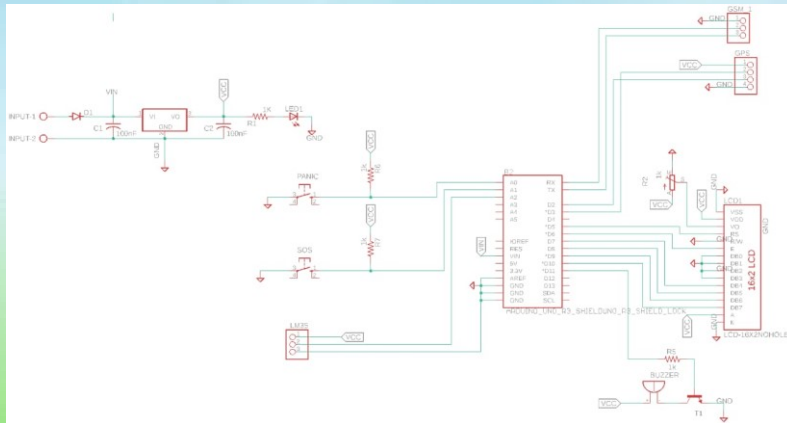
Applications :

1. To control home appliances using internet.
- 2.To control home appliances through voice based application
- 3.To control home appliances using Mobile application

CHILD SAFETY WEARABLE DEVICE

Brief Idea about the Project : “Child Safety Wearable Device” discusses the concept of a smart wearable device for little children. The purpose of this device is to help the parents to locate their child with ease. At the moment there are many wearable devices in the market which help track the daily activity of children and also help find the child using Wi-Fi and Bluetooth services present on the device.

Screenshots of the Project / Photos of Working Model :



RajJogdankar. (raj.jogdankar@gmail.com)

SwatiAeer(swatiaeer666@gmail.com)

Project Guide: Mr.RajendraPatole

Applications :

Ensure Child safety and improvise child monitoring and help keep track the whereabouts of their loved ones.

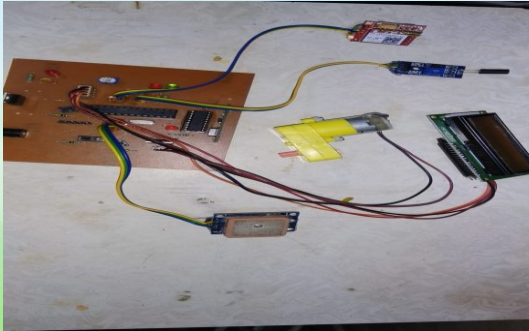
Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in CSI-UMIT ABHIVYAKI -2019

Intelligent vehicle

Brief idea of Project : In case there is an accident the shock sensor will detect the car accident. If the accident is major then SMS is sent to the registered mobile numbers of family and nearby hospitals and if there is minor accident then the driver can select not to send the SMS by pressing a switch present near the driver. If the driver presses the switch then the accident is minor, if not then it's a major accident and for safety it sends a SMS with car's current location.

It also has a car speed detection system which gives feedback as per the speed limit of the road, through wireless so as to notify as soon as the car enters the range of the road.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:



Amitjadhav:-
(amitjadhav0042@gmail.com)

VaishnavTambade:-
(vaishnavtambade@gmail.com)

Project Guide:RajendraPatole

Applications :

- 1.To reduce the impact of casualty happened in a lonely areas.
2. To maintain the control over the speed on highway

Digital Fuel Meter And Usage Analyser(IOT)

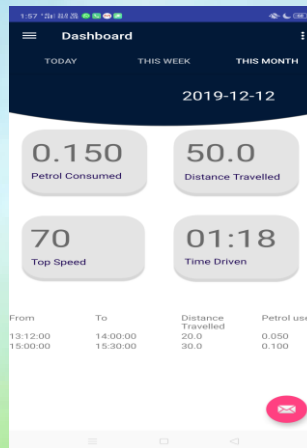
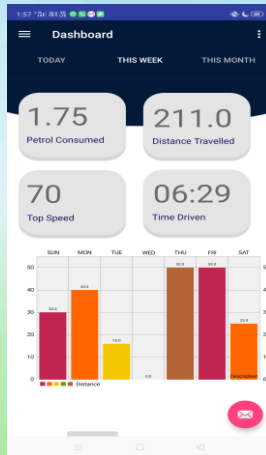
Brief idea of Project :It is an android plus Embedded (i. e IOT) based application which serves the purpose of comparing the usage of the users, bike riding patterns, amount of petrol used, detailed graph along with reminders for expiry dates of important bike documents. Its main aim is to display exact fuel amount in tank in form of litres, which will be better reference for user than range display normally used in bike and also primarily it will prevent petrol thief at petrol pumps. . Also life gps location will be uploaded on the app which will be more important in case of bike theft to track down location and also can be used to keep track of trips. Application is built on android studio with java as programming language. Data transfer is handled with php.



Mansoor
Mithaiwala(mithaiwala16@gmail.com)
Nisha Yadav
(yadavnisha2000.ny@gmail.com)

Project Guide : Rohini Desai

Screenshots of the Project / Photos of Working Model :



Applications :

- To display amount of fuel present in the tank.
- Average speed.
- Petrol consumed.
- Time driven.
- Weekly display of data.
- History.
- Notification regarding PUC expiry and Insurance.

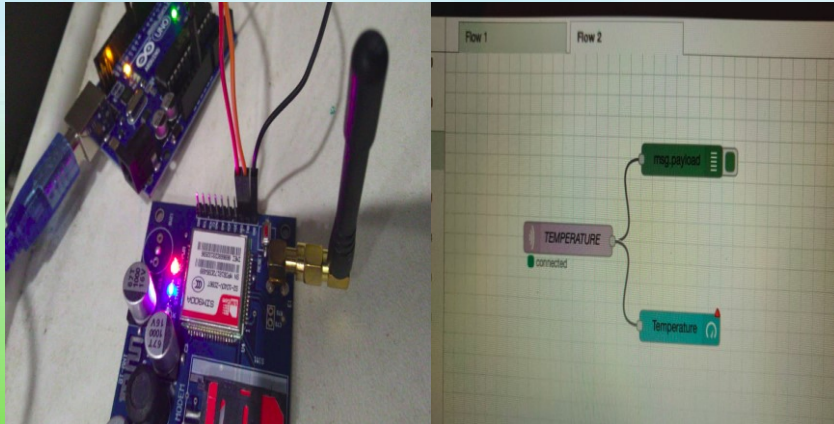
Won prize in Avishkar research convection zonal round Published paper in journal "Think India"

SMART AMBULANCE PATIENT MONITORING SYSTEM (IOT)

Brief idea of Project : The aim of this project is to develop a live monitoring system which will send information from an ambulance to the targeted hospital.

The main purpose of this project is to send patient's live health parameters to the hospital thereby giving the hospital enough time to prepare for preoperative procedures and some formalities based on the patient's condition. This project saves a lot of time required for taking prompt actions and decisions when the patient arrives and thus can ease the process of admitting the patient.

Screenshots of the Project / Photos of Working Model :



Akanksha Mhadolkar
(akku1907am@gmail.com)

Anish Tipnis (rusty3699@gmail.com)

Project Guide: Ms. Rohini Desai

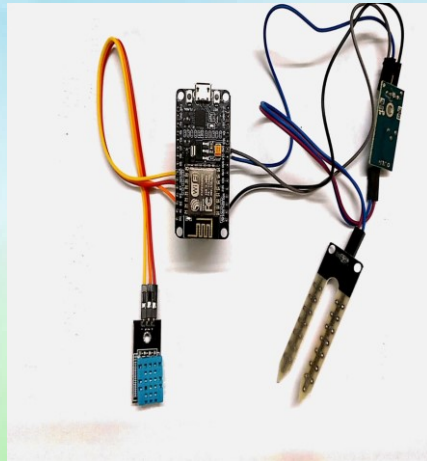
Application :

We are building a monitoring system that will take the patient's health parameters in the ambulance itself and will send the live readings to the targeted hospital. This system will ultimately help save lives!

AGRIBOT(EMBEDDED)

Brief idea of Project : An embedded robotic vehicle to spray pesticides on the crops in farm can reduce farmer's health related problems which are causing by continue contact with pesticides or inhaling it while spraying. Regulated water monitoring using multiple sensors can increase the efficiency in the soil by taking care of natural essential nutrients present in soil for better growth of soil. A tank placed on a robot to hold pesticides which then sprayed through a sprayer in a flow which is controlled by a nozzle. Water monitoring system consisting multiple sensors placed in the farm to get data such as moisture level in the soil, temperature and humidity of the farm or field.

Screenshots of the Project / Photos of Working Model :



Muwaj Mulla(muwazmulla@gmail.com)

Vandanakashavena(Vandanakashavena89@gmail.com)

Project Guide : Mr. Sabir Shaikh

Applications :

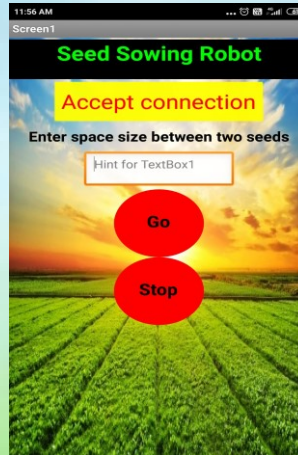
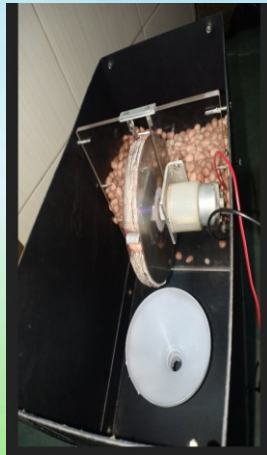
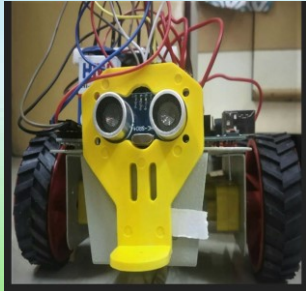
- 1.The aim of the project is to develop agricultural land for better harvesting
2. Agri-bot aims to eliminate the need for human labour.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Winners of Avishkar Zonal Round

Automatic Seed Sowing Robot(Embedded)

Brief idea of Project : As we know that agriculture is backbone of the India, farming plays more important role. Till now farmer uses the traditional methods for the farming and to cultivate the crops which lead to less efficiency, spending more cost on human power. This project will provide modern technique of farming by using robot which cultivate the crops to increase the efficiency and decreases the time required for their productivity. A seed sowing robot is useful for sowing the seeds in very efficient and accurate manner in a farm. This robot can sow the different seeds with same size and also vary the space between two seeds. For different size of seed, we can change the seed wheel accordingly. The technology used in this project will improve the agricultural process and it also provides the replacement for the costly and big machine such as tractor.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Avishkar research convention, Technovanza project exhibition.



Priyanka Jambhale
(Priyanka.jambhale1999@gmail.com)
Piyusha Shinde
(piyushaShinde27@gmail.com)

Project Guide : Mr. Sabir Shaikh

Applications :

1. It is used to help the farmer to sow the seeds in a farm.

Project Title (Water level detection of Tanks(IoT))

Brief idea of Project : Water needs have increased unpredictable in India. Increasing demand of water supply has become a major challenge for the world. Wasteful usage of water climatic changes and Urbanization has further depleted the resource. Conservation and management of the resource must be given at most importance.in this project, we present an IOT based water monitoring system which support internet-based data collection on real time base. we are consumption and according managing multiple tanks on android app.

Screenshots of the Project / Photos of Working Model :



Sensor	Status	Levels
Tank 1	✓	■
Tank 2	✓	■
Tank 3	✓	■
Main Tank	✓	■



Shraddha Pawar
(pawarshraddha412@gmail.com)

Yashashree Lohalkar
(yashashreelohalkar@gmail.com)

Project Guide : Mr.Sabir Shaikh

Applications :

1. Platform for developing mobile apps Based on android Technology.
2. Android studio used IDE software application created by community named "Intelli JIDEA used as platform.

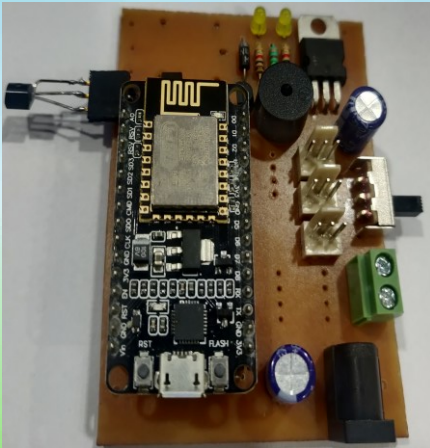
Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar

COAL MINE MONITORING SYSTEM

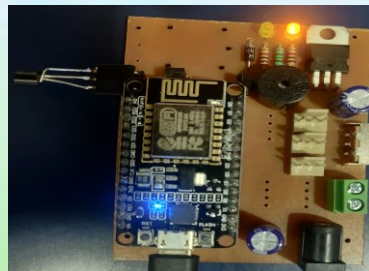
Brief idea of Project : Coal mine monitoring system is system where we have implemented IOT technology to automate safety inside a Mine with NodeMCU.

We design a wireless sensor network (WSN) with the help of NodeMCU controller which is able to monitor the temperature, gas/smoke and Seismic Activity in an underground mine. All the climate parameters, data sensed by the sensors are remotely logged to the server of the control station through WiFi.

Screenshots of the Project / Photos of Working Model :



Temperature	Humidity	Gas	Smoke	Seismic
28.5	65	0.1	0.2	0.3
28.5	65	0.1	0.2	0.3
28.5	65	0.1	0.2	0.3
28.5	65	0.1	0.2	0.3
28.5	65	0.1	0.2	0.3
28.5	65	0.1	0.2	0.3
28.5	65	0.1	0.2	0.3
28.5	65	0.1	0.2	0.3
28.5	65	0.1	0.2	0.3
28.5	65	0.1	0.2	0.3



manishapadala15@gmail.com
riddhibagwe@gmail.com

Project Guide: Mr.Sabir Shaikh

Applications :

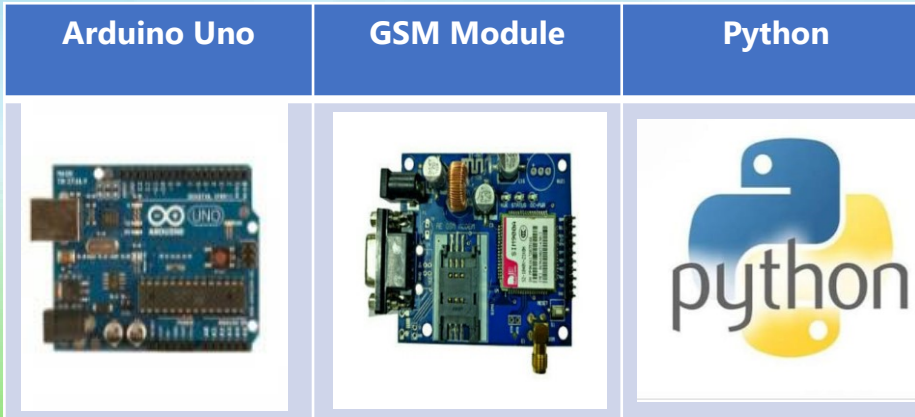
- 1) Applicability of the project Coal mine monitoring system is any other mines or Construction site.
- 2) We can modify & implement it on the Helmet for safety measure of workers.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar

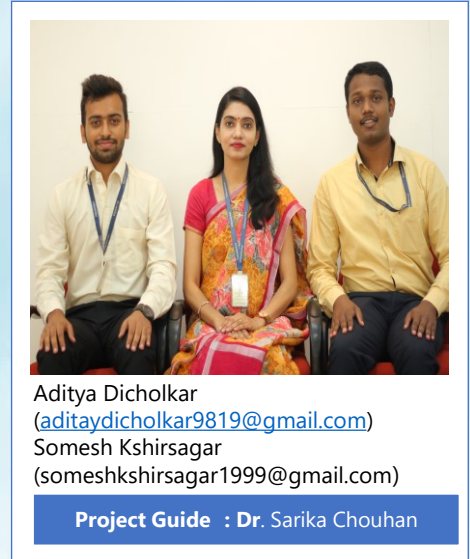
Smart Locker (Embedded)

Brief idea of Project : Smart locker is IOT and Embedded based project. Smart locker is actually not locker it is a device of security system. In today's generation we are entering a new Era of various technology. IOT(internet of thing) is one of them. we are already live in digital world in this world every thing is connected through the internet. A smart project which can change the storage system. We are a developing a "smart locker" which is so much useful for security of home lockers as well as bank lockers.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar



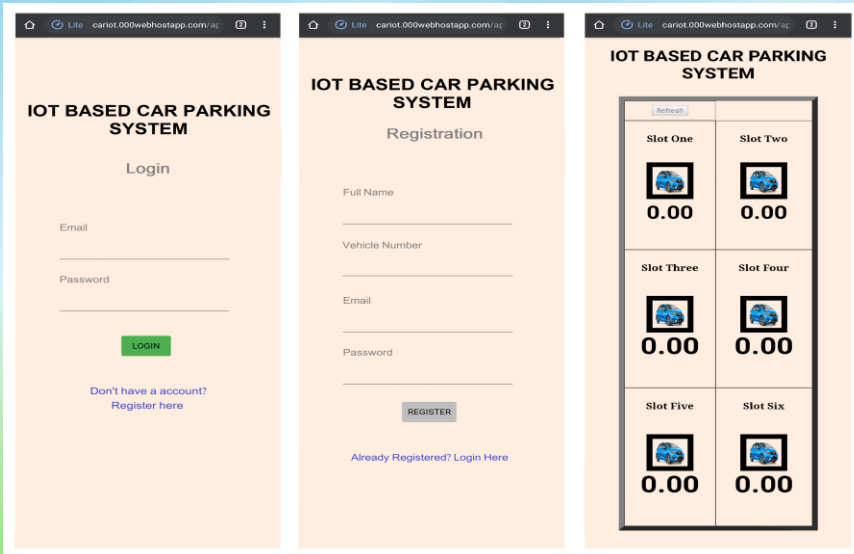
Applications :

1. This project is use for higher safety at home as well as bank.
2. People can use this devices more easily

Car parking system with online booking (IOT based project)

Brief idea of Project : To ease the process of parking through the web application is the purpose of this project. In this particular project, Our main focus is on parking slot in the building and the user is able to block the slot before entering into the building. The web application is designed for client side. It contains only user level.

Screenshots of the Project / Photos of Working Model :



Pranav Pathare (pathare.pranav21@gmail.com)
Vinayak Mane (manevinayak15@gmail.com)

Project Guide : Mrs. Seema Murkar

Applications :

1. A platform to Ease the Process of reserving a parking spot for Our Vehicle.
2. It will be helpful for people who travel in rushed place.

**Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar**

RFID Billing Cart(Embedded)

Brief idea of Project : RFID Billing Cart is a smart billing cart made with an idea for convenience and easy shopping experience. RFID billing cart is made up of RFID, Arduino.

It functions on real time data. Customer just has to put the items in the cart and The system reads the data through RFID card on the item to generate a bill in quick seconds. Saving the time and labour of standing in a long line to generate a bill.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented will be presented in Tantra –Vihar and conference



nehadg99@gmail.com

shaikhayasha776@gmail.com

Project Guide: Seema Vishwakarma

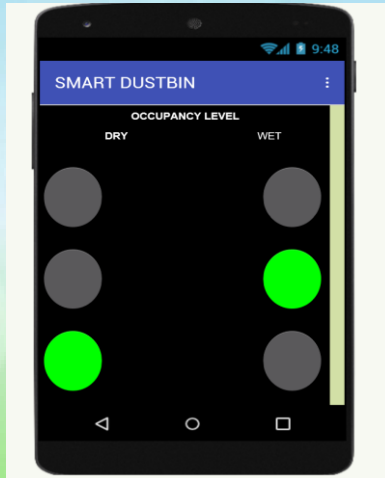
Applications :

- 1) For making shopping experience easy and time saving
- 2) For easier functioning and maintenance of good & items in a shopping centre, to keep an account of all the items.

Smart Dustbin(Embedded/IOT System)

Brief idea of Project : The main idea of the project is that the dustbin is intended to reduce human efforts and improving cleanliness. The project aims to develop a working prototype that has features like automatic lid mechanism, garbage level sensing and segregation of dry/wet waste. The Smart Dustbin has a clear motive observation in managing the waste collection system for an entire city or at homes. The filling and cleaning time of smart bin will also be reduced thus making empty and clean dustbins available to common people.

Screenshots of the Project / Photos of Working Model :



Joshua Fernandes
(joshuafernandes740@gmail.com)

Roshani Patil
(roshanipatil958@gmail.com)

Project Guide : Mr.Shajil Kumar

Applications :

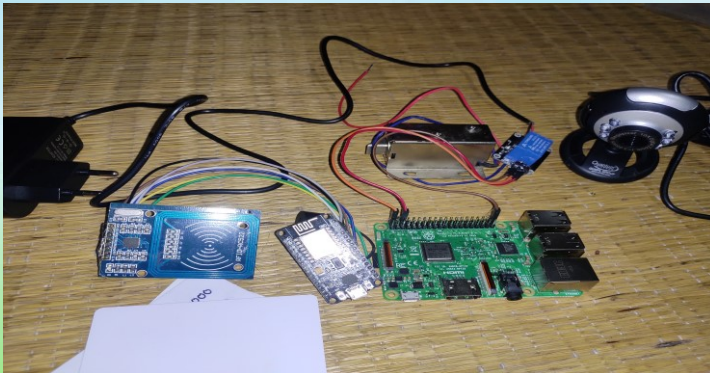
- AndroidStudio-Mobile Application
- Arduino genuino- Embedded
- Adobe xd -Design

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls.

Bank Security with Automatic Voice Announcement System(IOT)

Brief idea of Project: Bank security with voice indication is something like that starts with a locked door and ends with unlocking the door for your private and precious things. This is a system which can be used with ease . The system comes up with a two-step confirmation and with two modules . The first step is completed through RFID tag and RFID reader which confirms the first security process and these second step is putted on the camera and AWS face recognition where it compares the stored image with the freshly taken picture. The verification resulted into unlocking the door and the false verification leads to Send the voice message to the room owner which is connected through google assistance with the help of android studio.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar



Manisha Bathula -

(manishabt2410@gmail.com)

Bilal Shaikh -

(shaikhbilal7710@gmail.com)

Project Guide :Mr.ShajilKumar

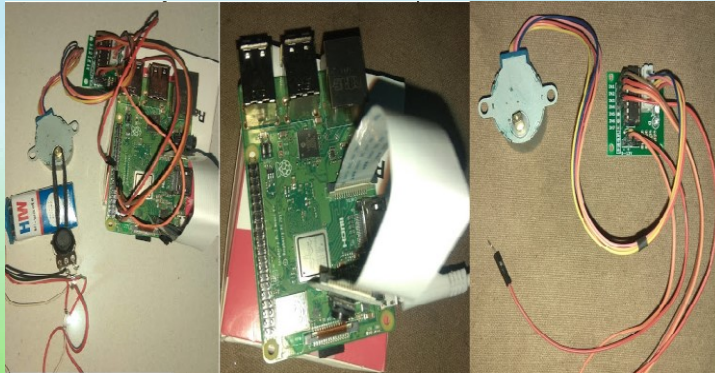
Applications :

This technology can also be used in various fields like banks, office, colleges for securing lockers.

Light Control In Train Coach (Embedded System)

Brief idea of Project : Electricity has been major issue in India. Some parts of our country are still lacking in electricity. On an average Indian Railways consume around 2.5 Billion Units, each of 1 kilo watt per hour of electricity. Just by controlling the lights we can save 0.3-0.5% of the total consumption. The application is not only valid for trains but also to any thing which uses electricity. The purpose of developing this system is to reduce power consumption of railway by reducing brightness of lights. Using Raspberry Pi, Camera and some Sensors we can achieve efficiency in energy consumption.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Paper presented in CSI-UMIT ABHIVYAKI -2019



Arvind
yadav(veeryadav020@gmail.com)
ShubhamDesai(shubham.desai379
9@gmail.com

Project Guide : Ms. Snehal
Tandale

Applications :

1. This system is to reduce power consumption of railway by reducing brightness of lights.
2. Save the electricity

SMART WHEEL CHAIR WITH OBSTRACLE DETECTOR

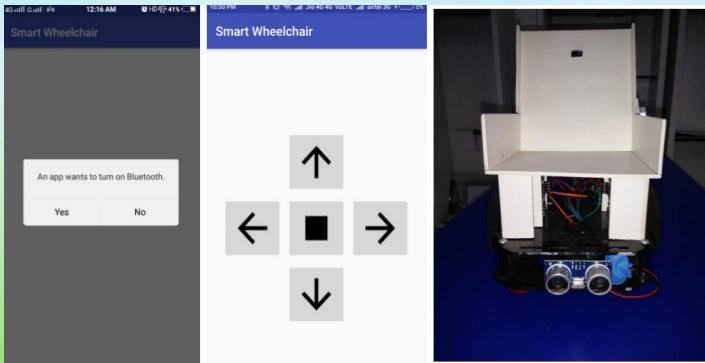
Brief idea of Project : As there is an increased percentage of elderly and disabled people who want to enhance their mobility, and better assistance to wheelchair. People have disabilities with their hands, foots, lower extremities therefore they are unable to perform the regular task in their daily life. The Smart Wheelchair which controlled by the android application is developed to help the people with their disabilities and survive in the world effectively. Android application is created and it is installed in the android Smart phone. Our approach allows the users to use the technology by means of smart phones for the movement of the wheelchair so that they can use it with comfort and ease.



Ambar Sawant
(ambarsawant01@gmail.com)
Swapnali Nikam
(spnikam2000@gmail.com)

Project Guide : Ms. Snehal Tandale

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:

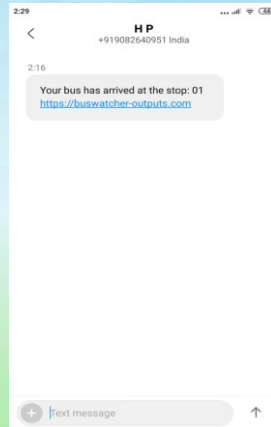
Applications :

1. Our wheelchair can be moved to the desired direction- left, right, forward, backward direction by the buttons (left/right forward/backward) of the android application.
2. Chair can detect the obstacle and avoid it automatically.

BUS WATCHER (Embedded IOT)

Brief idea of Project : The project is a live project which gives the information to the user of where the bus is or from which stop the bus has passed. So the passenger which is going to travel from the bus will get to know the arrival time of the bus. This will be seen using Radio Frequency where the bus will have a component and the bus stop will have a receiver then the receiver will send the message of bus arrival to the Master and then master will send the message to all the passenger who all have registered with the bus number

Screenshots of the Project / Photos of Working Model :



Hritik Pingle (pinglehritik1@gmail.com)
Kunal Londhe (kunallondhex@gmail.com)

Project Guide : Mrs. Spruha More

Applications :

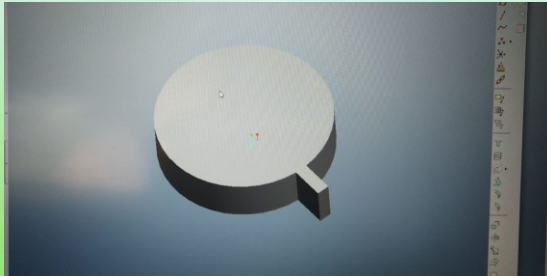
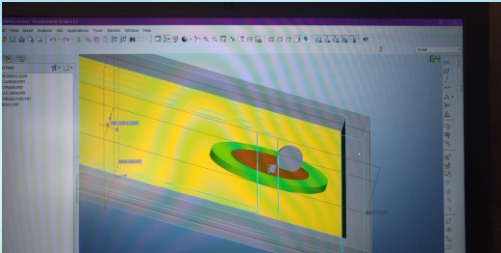
1. A platform to connect NGOs, NPOs, donors and locals online as well as offline.
2. People can volunteer for social causes.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar

Automated Carrom(Embedded IOT)

Brief idea of Project : An automated carrom has to play against a human, it can scan the whole board, select the coin to be hit, calculate angles and power required to hit the piece so that it can reach the pocket hole. After each shot played, the bot can also identify whether the opponent player has played his shot, so that it can target all the pieces and try to put them in the hole. Best part is, it is a portable, plug and play device that can be plugged and played even in the tournaments.

Screenshots of the Project / Photos of Working Model :



Deep Chauhan
(deepchauhan2108@gmail.com)
Ameya Pachangane
(ameypach9992@gmail.com)

Project Guide : Ms. Spruha More

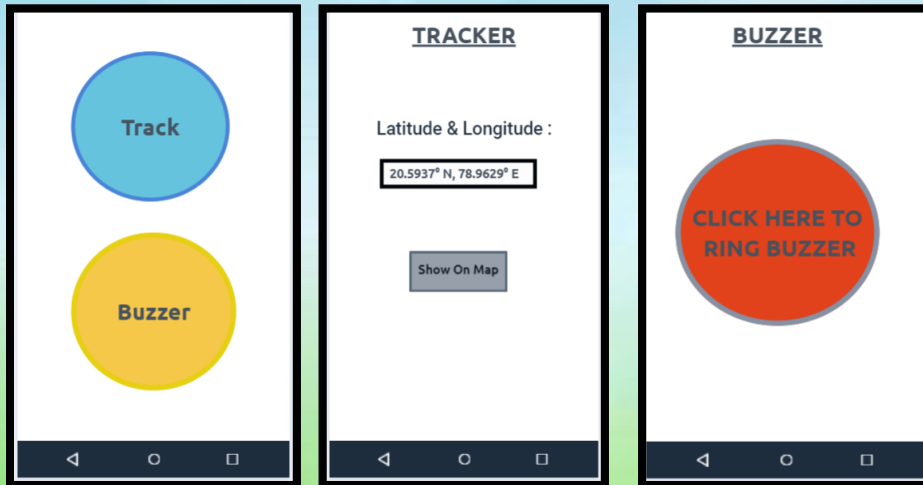
Applications :

1. Having high probability to pocket coins on every shot: - Automated carrom bot should choose the best coin available and try to shot maximum coins in each shot and the probability of shooting the coin chosen should be very high.
- 2) Deciding the best shot to be played to win the game: - From all available coins, automated board should choose the best available coin.

Baggage Tracking (IOT)

Brief idea of Project :The aim of the project is to develop a Bag Tracking System which will track the location of the bag and inform its owner about it. This tracker will show the current location to the user by showing the coordinates on the map. It will also show the user the distance between mobile application and the bag. It also has a buzzer, when the user clicks on the button in the application, it will start ringing. This tracker can be kept in any bag and any person will be able to use this.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar



Applications :

- Baggage Tracking System will provide security of the bag for the user.
- It will provide notification once the bag gets outside a particular range.
- The location of the bag will be shown to the user through his mobile phone.

Smart Garbage Monitoring System

Brief idea of Project : The project discusses a system that monitors the garbage in every locality by Internet of Things (IOT) thereby providing an effective method of clearing the garbage at the right time. The project has the following advantages:

1. A Ultrasonic Sensor to measure the level of garbage in the bin.
2. A display present in the municipal corporation to view the level of garbage in the bin indicated by different colours.
3. A buzzer when the level of garbage collected crosses the set limit.
4. The LCD screen is used to display the status of the level of garbage collected in the bins.

Screenshot Of the Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:



Kamalkant Tripathi
(kamalkanttripathi200@gmail.com)
Janak Kore
janak.k.94@gmail.com

Project Guide : Mr. Umesh Koyande

Applications :

The present project provides a smarter garbage monitoring system that enables a cleaner environment and also because of this the frequency of co-operation garbage collector vans will get increased.

Advanced Storage System

Brief idea of Project : It is a smart hard drive which supports various input ports. Fast and online uploading system which displays all the data inside it. Uploads the data without attaching it to a laptop or a computer. User can select the files which they want to transfer from memory card to the advance storage system. Very useful for photographers and cinematographers. Explores new way to store and upload data in the device. Eradicates the use of expensive memory cards. A modular and easy to use device to store the data

Photos of Working Model :



Shinja Nagvekar
(shinjanagvekar80@gmail.com) Sagar
Padhi (sagar2000padhi@gmail.com)

Project Guide : Mr. Umesh koyande

Applications :

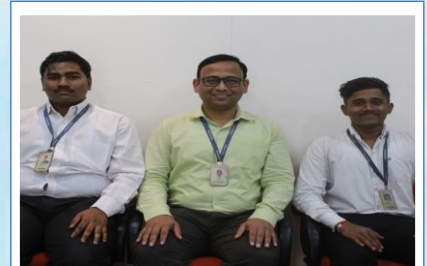
1. Photographs and video have become vital to communication, education and preservation of history.
2. This is a tedious job to carry laptop in remote locations.
3. ADVANCE STORAGE SYSTEM enables the data transfer process in a more convenient way.

Smart Safety

Brief idea of Project : Biker's safety is highly comprised if they do not wear helmet, which is a well-known fact. Then also, people avoid wearing helmet. Besides whenever accident occurs, people are reluctant to help victim and the time delay in reaching of ambulance can reduce life saving chances of victim. Many a times parents are also worried and does not have an idea of where about of their son. Even if our bike is stolen then chances of getting it back.

For all above problems, we propose a very new technology, where a circuit will install inside the bike. When this reader will sense the RFID signal from helmet and transmit signal only if helmet is place on head because of which a switch will get activate and helmet transmits the RFID signal.

Screenshots of the Project / Photos of Working Model :



Tejas Kelaskar
(t.kelaskar16@gmail.com)
Krishna Tapet
(tapet124@gmail.com)

Project Guide : Mr.Umesh Koyande

Applications :

- It detects the accident and provides the medical service in short term.
- It avoids the drunk and drive condition using alcohol sensor.
- It can be use in real time safety system.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar

Upcoming Technology

Cloud computing is a type of Internet-based computing that provides shared computer processing resources and data to computers and other devices on demand. It is a model for enabling ubiquitous, on-demand access to a shared pool of configurable computing resources (e.g., computer networks, servers, storage, applications and services), which can be rapidly provisioned and released with minimal management effort.

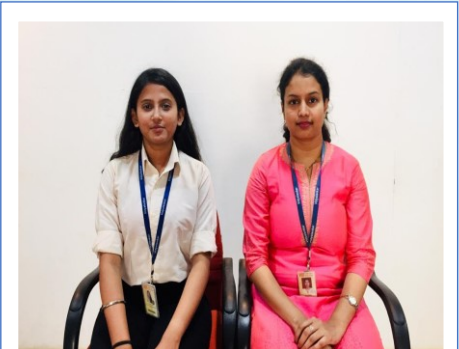
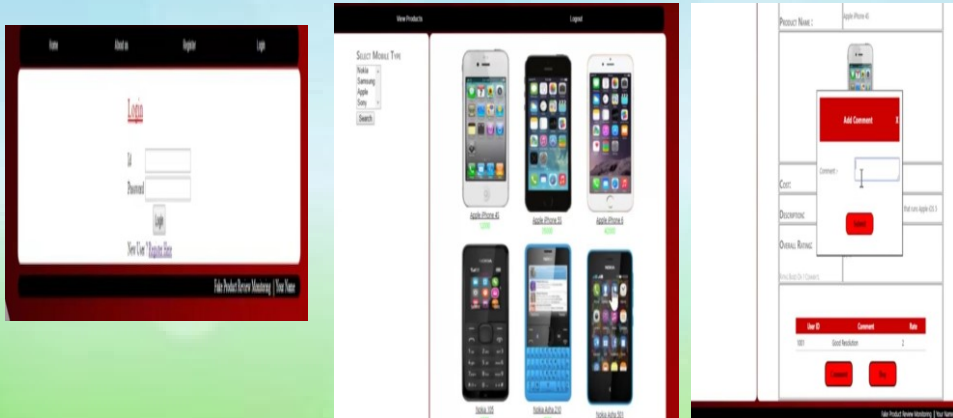
Artificial intelligence (AI) is an area of computer science that emphasizes the creation of intelligent machines that work and react like humans. Some of the activities computers with artificial intelligence are designed for include:

- Speech recognition
- Learning
- Planning
- Problem solving

Fake product review monitoring system using mining php (Software)

Brief idea of Project :This system will find out fake reviews made by the social media optimization team by identifying the IP address. User will login to the system using his user id and password and will view various products and will give review about the product. To find out the review is fake or genuine, system will find out the IP address of the user if the system observe fake review send by the same IP Address many at times it will inform the admin to remove that review from the system. This system uses data mining methodology.

Screenshots of the Project / Photos of Working Model :



Saloni Parab
(saloniparab309@gmail.com)

Project Guide : Mrs. Aasha Chavan

Applications :

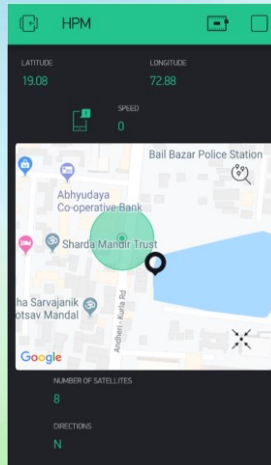
1. This application will be used by people who like to spend their money on valuable products.
2. People will be able to choose the right product.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify: -

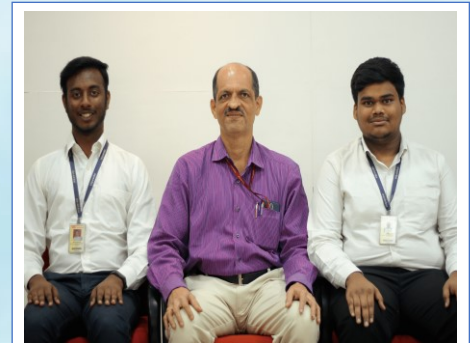
Haptic Proximity Module with Real-Time GPS Tracking

Brief idea of Project : The Haptic Proximity Module (HPM) seeks to enable people with low vision, or other vision impairments, to engage with their direct surroundings through vibration feedback from a range detector, and do so cheaply with readily available components.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Won First Prize in INSPIRON-2019, OES Sanpada.



Rajas
Chidwarar(rajaschidwarar@gmail.com)

Abhishek
Parab(parababhi.ap@gmail.com)

Project Guide :Kiran Datar

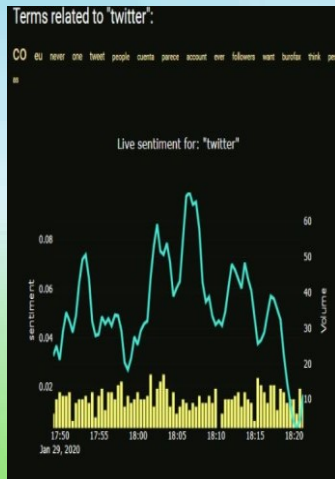
Applications :

1. Visually Impaired people can use this smart cane stick for their guidance to reach a destination.
2. Family Members can monitor the location of the user Real-Time on their smartphone.

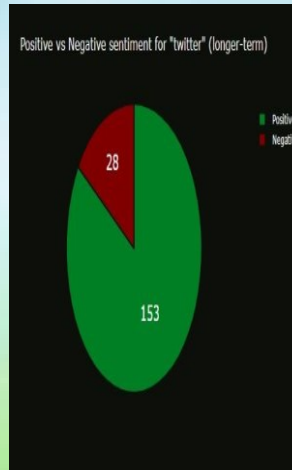
SENTIMENT ANALYSIS (UPCOMING TECHNOLOGY)

Brief idea of Project: Due to the proliferation of social media streams, users can evaluate the reputation of brands and the quality of enterprises exploiting the information provided by new digital marketing channels. As a result, enterprises need to spot and analyze large amounts of digital data to improve their reputation among consumers. Sentiment analysis or opinion mining is the field of computational study of the opinions expressed in the written language or text. Sentiment analysis brings together diverse language areas such as natural language processing, data mining, and text mining, and is becoming increasingly important to organizations as they integrate online commerce into their operations.

Screenshots of the Project / Photos of Working Model :



Date	Tweet	Sentiment
2020-01-29 18:22:13.626000	RT @dalmecca: Ma soeur demande comment tu fais tes sourcils mais elle a pas twitter. tu m'expliques en dm?	0
2020-01-29 18:22:12.663000	RT @officetrazac: Dear twitter friends, I hope you can turn an impossible into the possible. As I need RM2k by 28.2.2020, selling RM12 pie...	0.8225
2020-01-29 18:22:12.650000	RT @Janelop: Join me on Thursday, January 30, 2020P 8:00 p.m. ET - 10:00 p.m. ET For a Twitter Part With Avocados From Mexico! Enter for...	0.3995
2020-01-29 18:22:08.628000	RT @jorgebzeguitan: Tive q pedir auxilio a mi hija q me alegrara este recetario...q parecia un nido de conitos!...Campeño con Twitter. u...	0
2020-01-29 18:22:02.484000	Do you remember when you joined Twitter? I do! #MyTwitterAnniversary https://t.co/Gjg80bnX23	0
2020-01-29 18:21:56.663000	RT @rhindlam: como minha mãe descobriu meu twitter: a thread brincadeira n tem thread pq n foi legal mas to orfa inclusive se aboam coisa	0.128



Diksha Yadav(yadav.diksha99@gmail.com)
Pinky Bind (pbind3216@gmail.com)

Project Guide : Ms. Leena Jadhav

Applications :

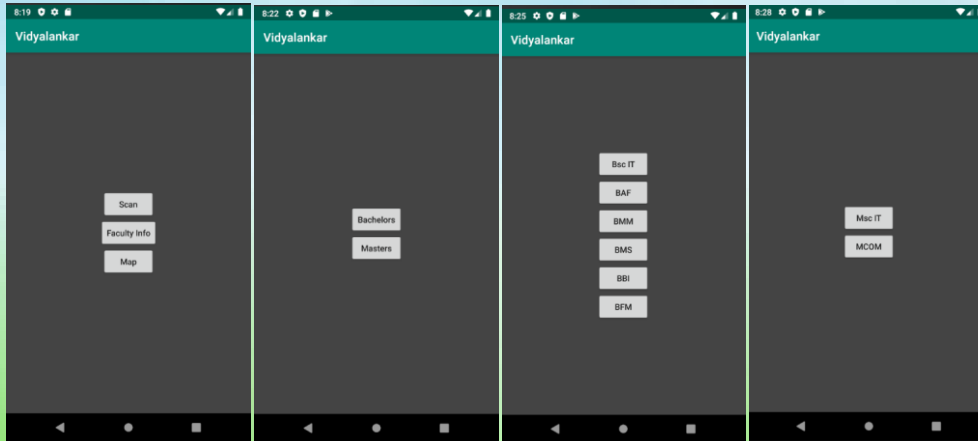
1. Businesses can apply sentiment analysis in social media and customer support to collect feedback on a new product or design.
2. Monitor mentions or reviews of the brand on different platforms (blogs, social media, review sites, forums, etc.).

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar

AR Based College Sitemap (Upcoming Technologies)

Brief idea of Project: This app will help the newly admitted students to understand their college campus better. It will also provide with a database of all the faculty members of the college so that the students understand whom to contact regarding anything. It shall provide an insight of the facilities provided by the college. The app will make it easy for students to interact with the teachers according to their interest. The Augmented Reality technology used will be a visual treat to the users eyes. It will also have a Map of the college. This will aid everyone visiting the college with the actual location of where they would like to go without any human intervention. It shall act as a helping hand and guide the people when they feel they have gone astray. It shall really be a boon to all students and visitors and they can easily rely on the same.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other:
3rd Prize in TPP at Abhivyakti.



Arshan Irani (arshanirani@ymail.com)
Jignesh Babaria
(jigneshbabaria1996@gmail.com)

Project Guide : Ms. Payal Shah

Applications :

1. It helps students to approach their teachers easier.
2. It will help students to explore their campus better.

Table Tennis Match Data Analysis Using Machine Learning (Machine Learning)

Brief idea of Project : The purpose of this project is to learn and use machine learning on real and existing datasets in the field of sports. Machine learning has been already used to predict the outcomes in many sectors. The project can be used to predict games results for fun but can also be used for sports betting as these days people are very much involved in sports betting by betting their money for a particular team or player and making money through it. The main function of the project is also to give accurate and faster results. The process of learning begins with observations or data, such as examples, direct experience, or instruction, in order to look for patterns in data and make better decisions in the future based on the examples that we provide. The primary aim is to allow the computers learn automatically without human intervention or assistance and adjust actions accordingly.

Screenshots of the Project / Photos of Working Model :

```
df_teams_1930 = df_teams_1930.reset_index(drop=True)
df_teams_1930.loc[df_teams_1930.winning_team ==
df_teams_1930.home_team, 'winning_team']=2
df_teams_1930.loc[df_teams_1930.winning_team == 'Draw', 'winning_team']=1
df_teams_1930.loc[df_teams_1930.winning_team == df_teams_1930.away_team,
'winning_team']=0

df_teams_1930.head()
```

```
logreg = LogisticRegression()
logreg.fit(X_train, y_train) score =
logreg.score(X_train, y_train) score2 =
logreg.score(X_test, y_test) print("Training set
accuracy: ", %.3f%(score)) print("Test set
accuracy: ", %.3f%(score2))
```



Muaaz Patel (muaazpate27@gmail.com)
Simran Shinde(shindesimran30@gmail.com)

Project Guide : Mr. Prabhal Deep Das

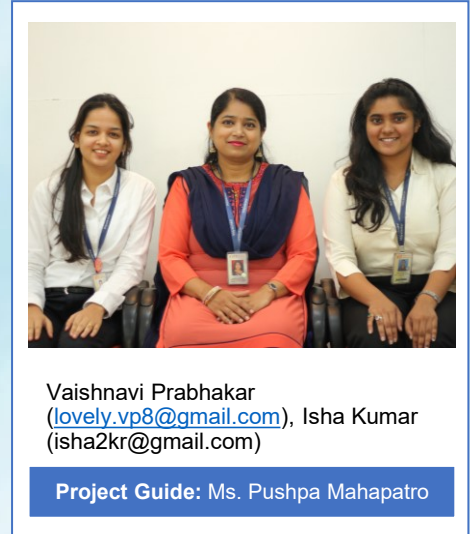
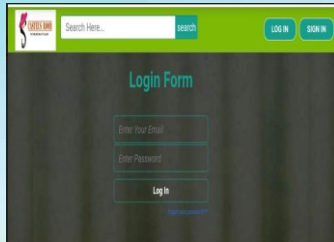
Applications :

1. The main function of the project is to predict which team amongst all the teams playing will win the match.
2. It will also predict the teams that win the semi-final round and the teams that will play the finals.
3. Machine learning has been already used to predict the outcomes in many sectors.

AR Web Application (Upcoming Technology)

Brief idea of Project : This web application is an advanced way to provide salon services. It also provides images and 3D models for hairstyles for better understanding of the haircut. Customers will be provided with the latest images that will attract the customers by the comfort and the natural beauty friendly products that the salon uses. The goal is to create an advanced technology application for a salon which can provide the most services like booking and reservations online and can also provide pictures and videos which might attract and also may fulfill customer's demands. Using this application can save time and money that will be used either for travelling or calling and making an appointment.

Screenshots of the Project / Photos of Working Model :



Vaishnavi Prabhakar
(lovely_vp8@gmail.com), Isha Kumar
(isha2kr@gmail.com)

Project Guide: Ms. Pushpa Mahapatro

Applications:

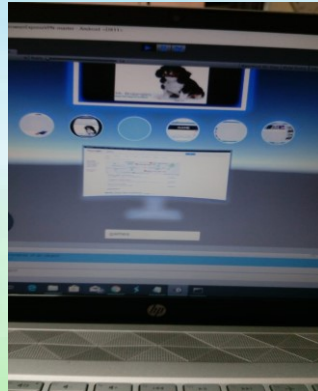
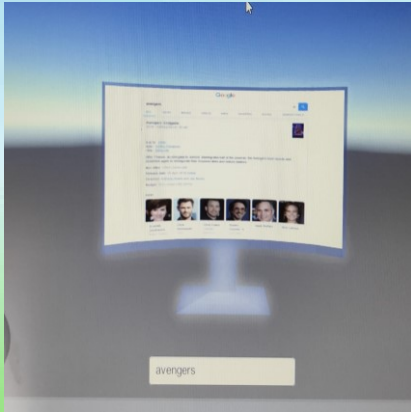
1. It will give the customers the exact length size of the hairstyle for better understanding by providing 3D models.
2. Reservations are also provided for betterment of time management.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify: Research Paper prepared

Augmented Reality Web Browser (Upcoming Technology)

Brief idea of Project :Using AR Web Browser we can browse the web or websites virtually on Android. AR Web Browsing will user to view 3D models i.e Desktop or Virtual Webpages. We are using voice input method to search. AR will enhance the real world by virtual objects in order create a new mixed reality environment,We can use AR web browser application for searching e-commerce websites , learning websites, etc.

Screenshots of the Project / Photos of Working Model :



Kajal Yadav (Kajaly222@gmail.com)
Rovina Denis
(rovinadenis1999@gmail.com)

Project Guide: Ms. Pushpa Mahapatro

Applications :

1. A platform to connect real world and virtual world
2. It will provide security, more real-world interaction and better user experience

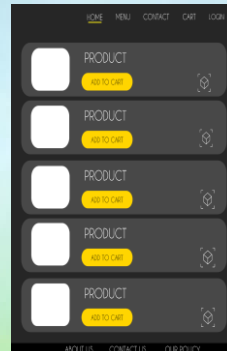
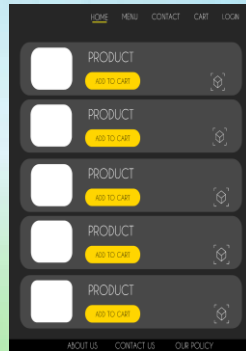
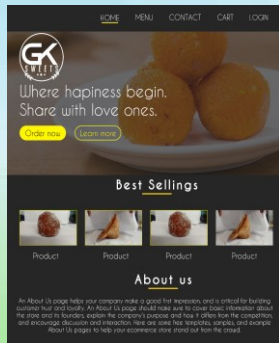
Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra –Vihar

AR Sweet Shop (Upcoming Technology)

Brief idea of Project : Augmented reality in which virtual content designed to integrate with displays of the real-world scene is a growing area of interactive design. The upcoming trend in onlinemarketing, AR Sweet ShopWebsite Supplement existing menus with digitalcontent designed to improve customer experience and drive sales.

AR Website, which allows customers to order sweets online with additional interactive content. AR sweet website helps sweet shops to drive sales. An effective marketing tool for online sweet sellers, AR sweet website can also be designed with a range of other features to enhance customer experience.

Screenshots of the Project / Photos of Working Model :



SanketJadhav
(sanket26007@gmail.com)AnkitJethi
(ankit.jethi47@gmail.com)

Project Guide:Ms. PushpaMahapatro

Applications :

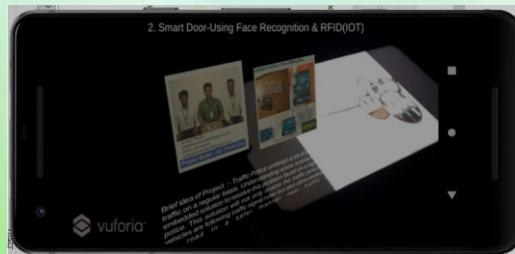
- 1.Searching for information about any particular Sweet is very fast and easy.
- 2.The client should not worry about Food choices,Information& 3D views are very accurate.
- 3.It could be game changing in Indian Sweet Business as this has not yet been implemented before to any website

**Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar**

AR V-ideas (Upcoming Technology)

Brief idea of Project :-The first ever exercise for VIdeas that is present in the VSIT library . The aim of this project is to make the existing things excited by using the wonderful technology called Augmented Reality. Student just have to scan the logo(Target) and by going through index one can get the content of VIdeas in the 3D form. This will help the students to clear their concept related to the final year project in very easy, effective, and exciting way.

Screenshots of the Project / Photos of Working Model :



Farheen Shaikh
(farheentalha530@gmail.com)
Ankita sawant
(akisawant06@gmail.com)

Project Guide : Ms. Pushpa Mahapatro

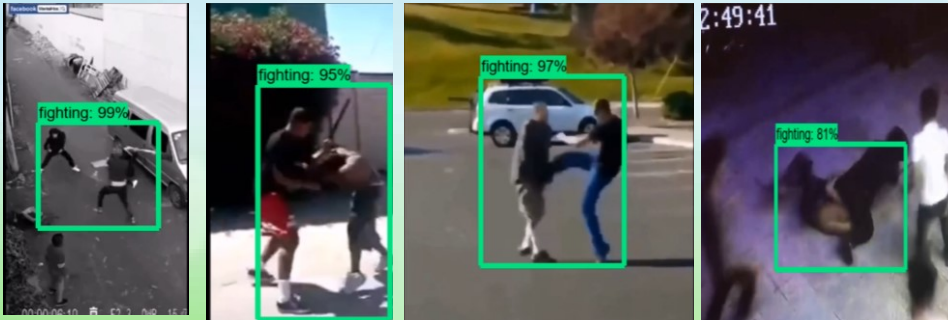
Applications :

1. A platform to make the existing things exciting.
2. A platform to connect students towards researching/reading.
3. Platform which is made by next generation technology.

SUSPICIOUS ACTIVITY DETECTION THROUGH CCTV (Upcoming technology)

Brief idea of Project Suspicious Activities are activities like Fighting, gun point and activities which aren't normal like walking, talking, etc. The National Crime Victimization Survey (NCVS) has found that 23% of the, crimes happen in open spaces such as parking lots, colonies. Suspicious Activity Detection through CCTV is useful for the detection of suspicious activities at different places. Suspicious Activity Detection through CCTV is an advanced format of CCTV which allows us to detect the situations which are doubtful. This software will detect the activities on the premises and will let the organization know if there is any suspicious activity around the building or parks. This software will ease the work of the security guard who has to keep a watch on the screen regularly, which has multiple CCTVs, this could lead him to miss something suspicious. This system will lead to creating automated detection through Python and TensorFlow, which lead to exposure. This system will create a better surveillance system that will be beneficial to society. Currently, the surveillance system is complex and has few drawbacks.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Avishkar, Technovanza



Adarsh Singh
(adarshs285@gmail.com)
Saurabh Meher
(saurabh0307meher@gmail.com)

Project Guide: Ms. Sanjeela Sagar

Applications :

1. It will create a surveillance system that can detect suspicious activities in the organization or an open space.
2. It will help detect and contact the appropriate authorities regarding the abnormal activities.

Text Recognition: Upcoming Technology

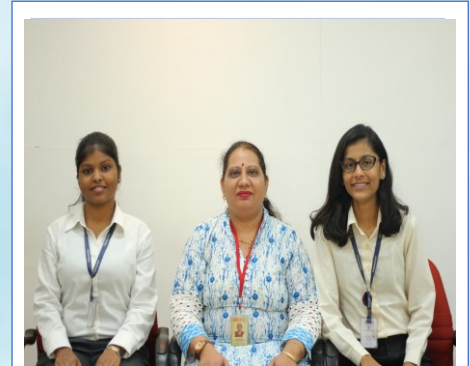
Brief idea of Project : Optical Character Recognition (OCR) gives a device the ability to read text that appears in an image, letting applications make sense of signs, articles, pages of text, menus, or any other place that text appears as part of an image.

Handwritten character recognition is a field of research in artificial intelligence, computer vision, and pattern recognition. A computer performing handwriting recognition is said to be able to acquire and detect characters in paper documents, pictures, touch-screen devices and other sources and convert them into machine-encoded form.

The Project includes creating a website which deals with conversion of image of handwritten, typed or printed text into editable digital text that that can be stored on device.

Screenshots of the Project / Photos of Working Model :

Select File	Extract Text
Selected Picrure will apear here	Extract Text will aper here



Anulee Agre (anuleeagre22@gmail.com)
Ritu Adsul (rituadsul1@gmail.com)

ProjectGuide :Ms.SanjeelaSagar

Applications :

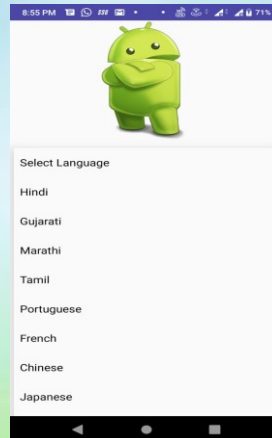
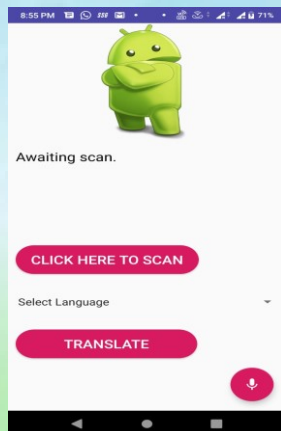
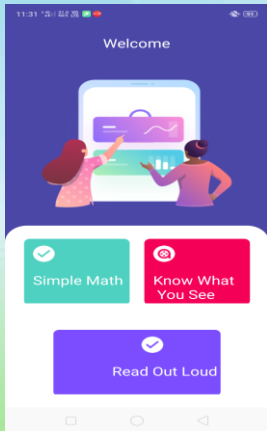
- The system can be used in areas or fields where the data entry operations are required.
- Like Manual handwritten documents to digitization of documents.
- Using Text Recognition application typing work will be reduced.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:

Object Detection for Child Education(Upcoming Technology)

Brief idea of Project : Today the use of technology is widespread. Everyone uses Smartphones. Working parents find it hard to focus on their children. If a child, on his or her own, wants to anything around them, this app can be is useful for them . It has basically Three module 1.Object Detection , that will detect the object near by and gives the output in for of audio so child understand what the is . 2. Text-to-speech, using this module child can also use it for reading story books, etc this is also very useful for old person to read story books. 3. calculation , this module is for child to refer the answer whether the answer is right or wrong scan to get solution.

Screenshots of the Project / Photos of Working Model :



Suraj Tripathi (suraj123tripathi@gmail.com)
Rasika Kadu(rasikakadu17@gmail.com)

Project Guide : Ms. Sarika Chouhan

Applications :

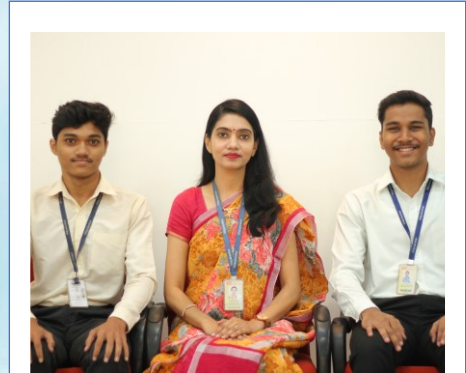
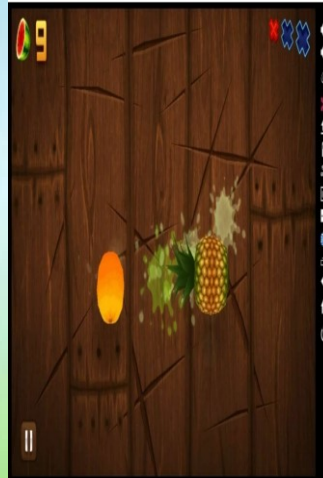
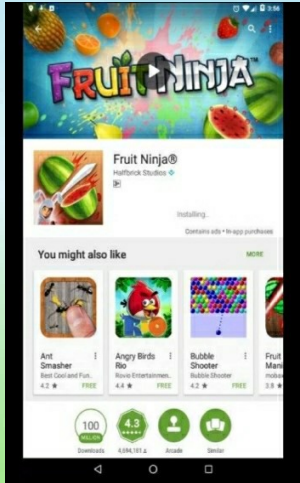
1. A platform to give knowledge to child also works in offline mode.
2. Blind and old person can also use this application.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Participated for project exhibition at Avishkar 2019-20 university round, SNTD college Technovanza at VJTI college. Winner in Avsihkar zonal round 2019-20

App Virtualization (Upcoming Technology)

Brief idea of Project : AppVirtualization aims at running multiple applications on cloud and rendering them on your Android device's browser. Most of the times users face memory shortage in their mobile devices and hence cannot install certain applications. AppVirtualization aims at tackling this issue by providing a functionality to help users run multiple applications on phone without having the need to actually install them on their devices. We are using mobile cloud computing to provide this functionality in order to provide on demand access, security, bandwidth, storage, etc.

Screenshots of the Project / Photos of Working Model :



RajayeNarkar(rajaye.narkar88@gmail.com)
Prasad Dhuri(Prasad.dhuri666@gmail.com)

Project Guide:Dr Sarika Chouhan

Applications :

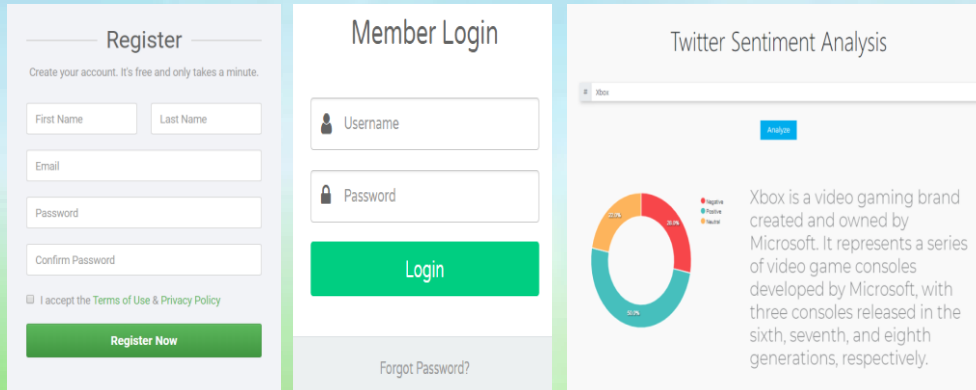
1. Testing mobile applications without installing it on your mobile device.
2. Useful for Android application developers.

**Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar**

Social Media Analytical Tool (Upcoming Technology)

Brief idea of Project : In recent years social media sites have seen tremendous growth all around the world. Twitter has over a billion users, and everyday people generate millions of tweets, those tweets are like gold mines for data. If this data is analyzed properly, an organization can outperform its competition. It will take endless hours for a human being to go through thousands of tweets one by one and reach a conclusion, but with the help of our app, we can do it in just a matter of minutes. Our tool quickly mine tweets and then perform sentiment analysis on it and display the result in the form of graphs and pie charts.

Screenshots of the Project / Photos of Working Model :



The image displays three screenshots of the project's user interface. The first screenshot is the 'Register' page, which includes fields for First Name, Last Name, Email, Password, and Confirm Password, along with a 'Register Now' button and a checkbox for accepting terms. The second screenshot is the 'Member Login' page, featuring fields for Username and Password, a 'Login' button, and a 'Forgot Password?' link. The third screenshot is the 'Twitter Sentiment Analysis' page, showing a search bar with 'Xbox' entered, an 'Analyze' button, and a donut chart with three segments (red, orange, teal) representing different sentiment categories. A legend on the right identifies the segments as 'Negative', 'Positive', and 'Neutral'. Text to the right of the chart explains that Xbox is a video gaming brand created and owned by Microsoft, with three consoles released in the sixth, seventh, and eighth generations, respectively.



SiddheshAcharekar(siddheshzeus@gmail.com) Siddhesh Ghadigoankar (siddheshghadigaonkar51@gmail.com)

Project Guide : Dr. Sarika Chouhan

Applications :

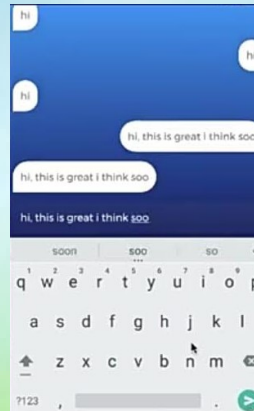
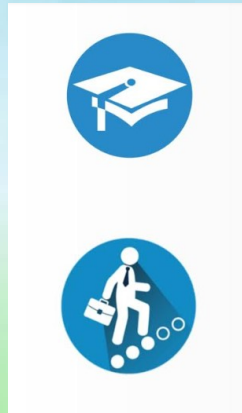
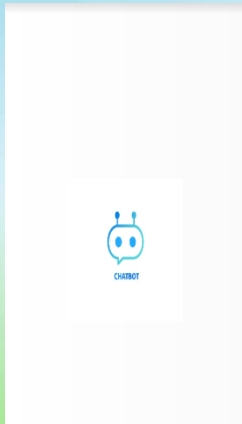
- Analyse tweets to yield some valuable information.
- To understand the sentiments of an audience regarding a particular topic.

**Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar**

AI Based Student's Chatbot(AI Up coming Technology)

Brief idea of Project : AI based student's chatbot is a conversational bot system that analyses the student's queries and message and responds with the relevant answer. This chatbot system uses machine learning libraries to answer the queries of the student through the user interface a mobile application. The answers to the queries are determined using the trained set of data

Screenshots of the Project / Photos of Working Model :



Smriti Tiwari (tiwarismriti099@gmail.com)
Shivranjani sunderrajan
(shivranjani.sunderrajan@vsit.edu.in)

Project Guide : Ms. Seema Murkar

•Applications :

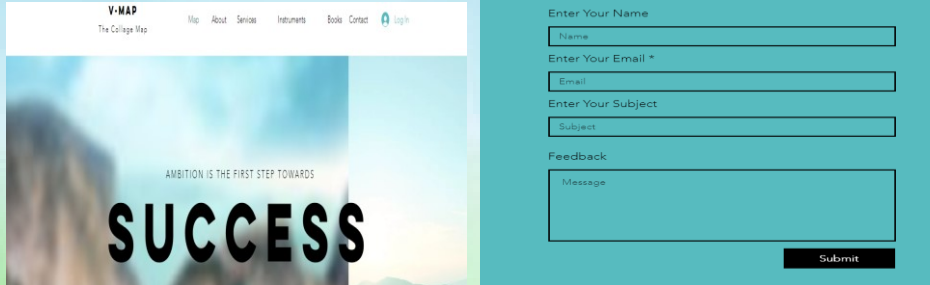
- Student can access it anytime
- Handling Capacity
- Saves time of the student
- Work automation
- Available 24 x 7
- The chatbot has two modules – college and career guidance

**Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar**

V-MAP (GIS)

Brief idea of Project : By our project it will help to reach the destination by an easy way. By the help of the complexity of students mind's about library, canteen, den ,etc will become less. In our project we are going to use many algorithms which can create **V-MAP** more easily. This is created specially for fresher's or the new students of VSIT who don't know lot about college

Screenshots of the Project / Photos of Working Model :



Harshal Mestri
(harshalmestri0704@gmail.com)

Project Guide : Mr. Shajil Kumar P A

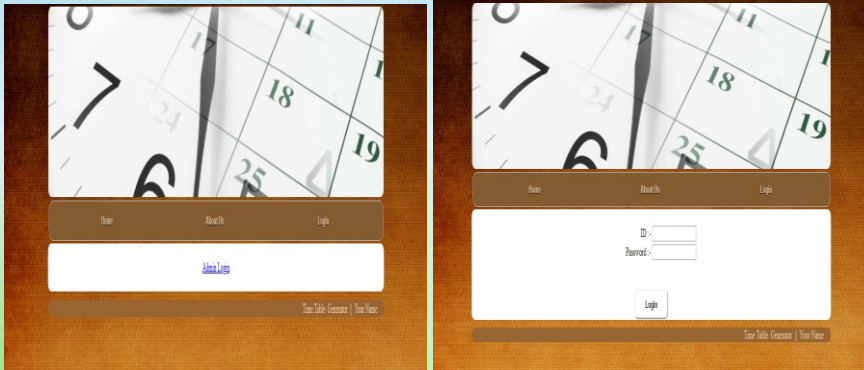
Applications :

Information about particular teacher available in which staff room, Scholarship enquires, Information about exam cell (Specially the timings of each place). In which canteen and den and many more locations are included

Automatic Timetable Generator (AI Based)

Brief idea of Project :Automatic Time Table Generator, our software allows users to generate time table for newly occurring changes in less time, with less effort and with more efficiency. It will allow users to work on and view time tables in different platforms and view different information simultaneously. The aim of this project is to create software for college and for the purpose is to maintain the “**AUTOMATIC TIME TABLE GENERATOR**” for both the students and staff. Each Department head is having problem in work scheduling to their sub ordinates and work status feedback. This project solves the above problem. This software gives permission to the students and staff to view their allotted subject and Time Table.

Screenshots of the Project / Photos of Working Model :



Adesh Hatim(adeshhatim04@gmail.com)
Mihir Chile(mihir9167@gmail.com)

Project Guide : Mr. Shajil Kumar P A

Applications :

The project is more user-friendly so that anyone have minimum computer knowledge can access and handle the software without having any complexity. This system provides security to the users by providing proper login.

AR ACADEMY (UPCOMING TECHNOLOGY)

Brief idea of Project : AR Academy project is purely based on Android and is implemented and tailored using unity engine, vuforia & asp.net Framework. It has PhpMyAdmin running in the background for data storage and data retrieval processes. The main aim of the project is to bring innovation in the day to day study routine of the student by employing the latest and in-trend Augmented Reality technology. By using this application the user would be able minimize study efforts, get real-time insights, detailed information, solved questions, tutorials and many more on the topic the user requests. Along with this the user would also have the ability to borrow the requested book from the library in real-time based on the books availability.

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in CSI-UMIT ABHIVYAKI -2019



Ramkrishna S. (rksarvankar@gmail.com)
Safvaan Nakid (khansafvaan@gmail.com)

Project Guide : Ms. Snehal Tandale

Applications :

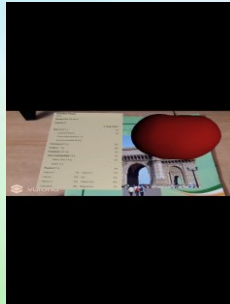
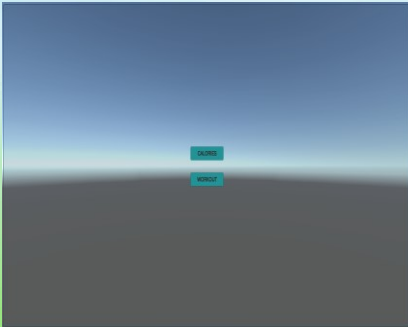
1)AR Tutorials: Enabling students to view 3D Augmented content of their choosing.

2)Library Access: Allowing students to view, borrow, and access library contents with the ease of their phones

AR TRAINER (UPCOMING TECHNOLOGY)

Brief idea of Project : AR Trainer project is developed with its main focus on Android platform and is implemented and tailored using Adobe XD/Blender, Unity, Google POLY & Vuforia. It comes with phpMyAdmin running in the background for processes like data management and monitoring. Augmented Reality technology is used as the core technology behind the main functioning of the app thus achieving the main goal of the project i.e. to bring innovation in the daily gym routine with the help of such latest and in-trend technology. By using this application the user would be able to get health related insights, workout tutorials according to the user requests. Diet will be provided based on users age, weight and goal. The workout tutorial module will help both, regular as well as new comers by showing real-time workout tutorials..

Screenshots of the Project / Photos of Working Model :



Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in CSI-UMIT ABHIVYAKI -2019



Diksheeta B. Suvarna
(diksheeta08@gmail.com)

Anas Sahibole
(yashwaghy@gmail.com)

Project Guide : Ms. Snehal
Tandale

Applications :

1)AR Academy: Enabling trainees to view 3D Augmented content of their choosing.

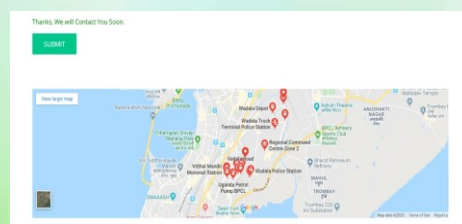
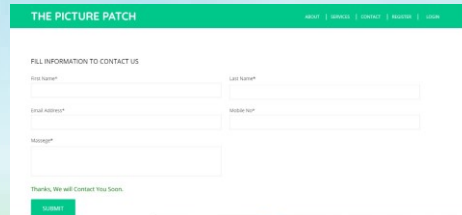
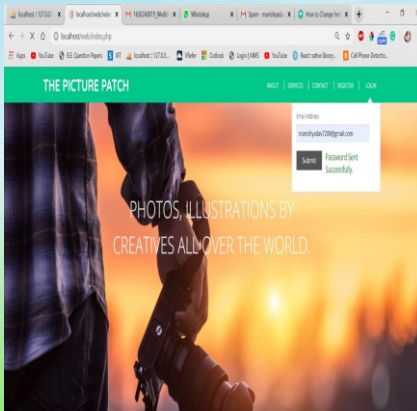
2)Calorie intake : Allowing trainees to view, and assess their daily calorie intake count with the ease of their phones

VR Photography Website (Upcoming Technologies)

Brief idea of Project : The objective is to create an advanced technology for a website which can provide the most services like booking and reservations online and can also provide pictures and 3d models. For better understanding of the photos which might attract the customers and also may fulfill customer's demands.

Project provides new interaction method to the customer through which they can view the existing images of the better view of images in Augmented Reality.

Screenshots of the Project / Photos of Working Model :



Yugesh Mishra
(yugeshmishra5580@gmail.com)

Vijay Kanodia(vijayrajkn12@gmail.com)

Project Guide : Ms. Spruha More

Applications :

1. Platform support: it supports multiple platforms for gaming and unity also used for animations in 3D, 2D overlays annotations which can help for physical entity evaluations.
2. This AR based photography website will help in improve visibility and improve customer engagement.

**Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Project presented in Tantra -Vihar**

