



V-Ideas

Program: Information Technology
(NBA Accredited)
2019-2020



Preface

Vidyalankar is a 'Sanskrit' word combining two words Vidya + Alankar. Where Vidya means knowledge and Alankar means Ornament, the essence being that 'knowledge is the true ornament of a progressive mind'.

Vidyalankar Polytechnic is one of the leading college in Mumbai, approved by AICTE,DTE Maharashtra state and Affiliated to MSBTE. It offers under graduate courses in engineering.

Vidyalankar Polytechnic was established by Vidyalankar Dyanapeeth Trust in 2002 under the dynamic leadership of Shri. C. S. Deshpande with the aim of imparting Technical Education in various fields of Engineering and Technology. It is located at the heart of Mumbai at Wadala(E).

Courses offered are Electronics and Telecommunication Engineering, Information Technology and Computer Engineering .

The college has excellent infrastructure for Class rooms, Technical library, Laboratories and latest computing facilities.

Vidyalankar Polytechnic

Vision

To achieve excellence in imparting technical education so as to meet the professional and societal needs.

Mission

- Developing technical skills by imparting knowledge and providing hands on experience.
- Creating an environment that nurtures ethics, leadership and team building.
- Providing industrial exposure for minimizing the gap between academics & industry.

Principal Speak



Vidyalankar Polytechnic has always believed in providing quality technical education to the student who aspire to become skilled engineers .

We at Vidyalankar put forth for students a challenging ground; tracking them to learn and imply in their career and professional future. Emphasizing to skill and develop their opportunity to widen their innovative horizon.

V-Ideas is compilation of final year student's project ideas that have been processed and developed after fine scrutinizing and tuning by subject expertise. The selected projects were much appreciated by the judges boosting the morale of students.

Technovation the exploration of technology and innovation is the annual project exhibition and competition organised by Vidyalankar Polytechnic for final year students of various branches. Technovation enables students to exhibit and display their innovative skills, thus giving them an opportunity to manifest their hidden skills and ideas. This platform has privileged the students to think in new areas of their skills and present it in the best possible way.

V-ideas culminates V-Technovation 2020

"All of us do not have equal talent. But , all of us have an equal opportunity to develop our talents." –

A.P.J Abdul Kalam

Vidyalankar Polytechnic has always believed in inculcating a synergetic and academic culture in its students, one that encourages them to be innovative and to be passionate about taking their ideas ahead.

V-Ideas are a collection of the final year project ideas of our students that have been nurtured after much rational thinking, fine-tuning and accurate reflection from teachers, guides and subject experts. The ideation stage is quite different from actual implementation; it is comparable to the transition from form to format, the regulated flow of ink from a nib which produces the actual writing. The Institute initiated an innovative idea of assembling the project ideas and transferring them into a hardcover book known as V-Ideas. This collection of projects acts as a future reference for First, Second and Third year students.

As a part of curriculum, students of diploma undertake a project related to their field and demonstrate the knowledge and skills gained on the subject of their choice. Students also take industry based projects for better and live exposure with the industry. The projects selected by the panel of experts are ii regularly monitored by the project guides. The innovative and creative projects are projected in V-Technovation. The projects won many awards at various competitions at other institutes.

V-Technovation provides a platform to diploma students to compete, interact and excel.

Information Technology

Vision

To become a leading center in the domain of Information Technology where learners are introduced to the concepts and implementation of technologies.

Mission

- Encouraging academic excellence and a passion for learning through the use of learner-oriented teaching methodologies.
- Providing an environment that inculcates ethics and effective soft-skills and focuses on the development of learners.
- Establishing and reinforcing a symbiotic institute-industry interface so that learners can gain exposure to real-life applications of Information Technology.

Information Technology

Program Educational Objectives

- **PEO 1:** Provide socially responsible, environment friendly solutions to Information technology related broad-based problems adapting professional ethics.
- **PEO 2:** Adapt state-of-the-art Information Technology broad-based techniques to work in multi-disciplinary work environments.
- **PEO 3:** Solve broad-based problems individually and as a team member communicating effectively in the world of work.

Program Specific Outcomes (PSOs)

- **Modern Information Technology:** Use latest technologies for operation and application of information.
- **Information Technology Process:** Maintain the information processes using modern information and communication technologies.

Information Technology

Program Outcomes (POs)

- **Basic knowledge:** Apply knowledge of basic mathematics, science and basic engineering to solve the problems related to application of computers and communication services in storing, manipulating and transmitting data, often in the context of a business or other enterprise.
- **Discipline knowledge:** Apply Information Technology knowledge to solve broad-based Information Technology related problems.
- **Experiments and practice:** Plan to perform experiments, practices and to use the results to solve Information Technology related problems.
- **Engineering Tools:** Apply appropriate Information Technology related techniques/tools with an understanding of the limitations.
- **Environment and sustainability:** Apply Information Technology related engineering solutions for sustainable development practices in environmental contexts.

Information Technology

- **Ethics:** Apply ethical principles for commitment to professional ethics, responsibilities and norms of practice in the field of Information Technology.
- **Individual and team work:** Function effectively as a leader and team member in diverse/multidisciplinary teams.
- **Communication:** Communicate effectively in oral and written form.
- **Life-long learning:** Engage in independent and life-long learning along with the technological changes in the IT and allied industry.

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Program : Information Technology

Project Title : Smart Irrigation System

Domain (Area of Project) : Internet Of Things(IOT)



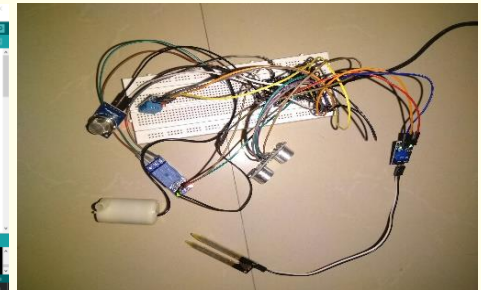
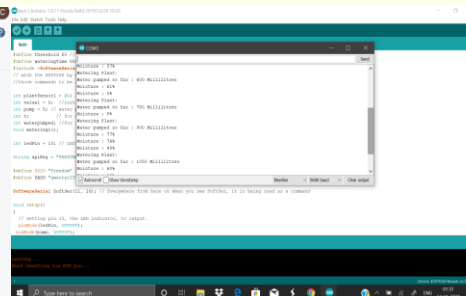
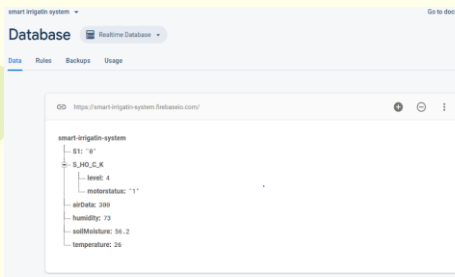
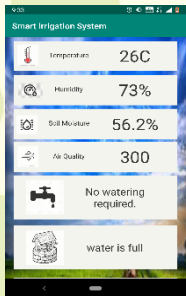
Name of Project Guide : Ms. Archana Gopnarayan

Name of Students : Leon D'souza

Chinmay Korgaonkar

Brief idea of Project : Smart Irrigation is a project which makes the life of the farmer easier as the farmer can know about the current status of the moisture of the soil, air quality, temperature, humidity, when the pump is turned on/off and also the water level in his well by just sitting at home using an android app.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Smart Irrigation can be implemented to provide water in nursery planting areas.
- Useful for watering field but also can be implemented in garden, small fields, stadiums.

Program :Information Technology

Project Title : Drowsiness Detection System Using Python

Domain (Area of Project) : Internet Of Things(IOT)



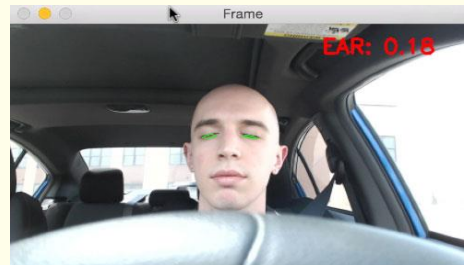
Name of Project Guide :Ms. Archana Gopnarayan

Name of Students :Manoharan Naidu

Praveen Bhandari

Brief idea of Project : Drowsiness detection system is one of the potential applications of intelligent vehicle systems. The Drowsiness detection system applies facial landmark detection and then the system will extract the eye regions, if the eyes would be closed for a sufficient amount of time then an alarm is raised to wake up the driver.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

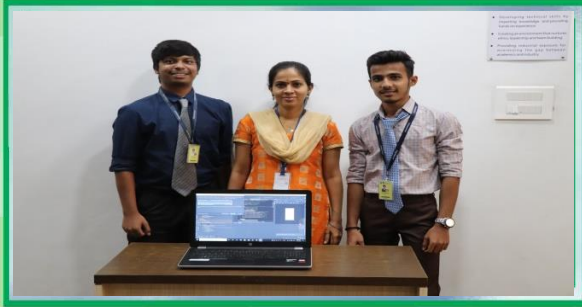
- Alerts driver when drowsiness is detected.
- It can be used in any vehicle to detect drivers drowsiness.

Awards if Any: -- Participation in State Level Paper Presentation Competition held on 28th August, 2019 organised at M.H. Saboo Siddik Polytechnic.

Program :Information Technology

Project Title : Air and Water Pollution Detector

Domain (Area of Project) : Internet Of Things(IOT)

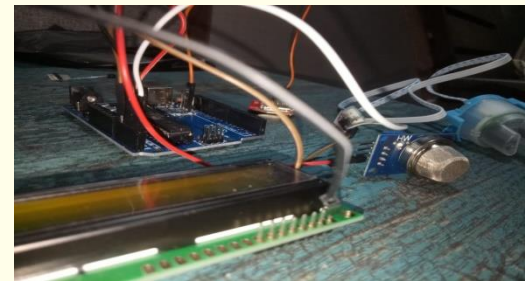
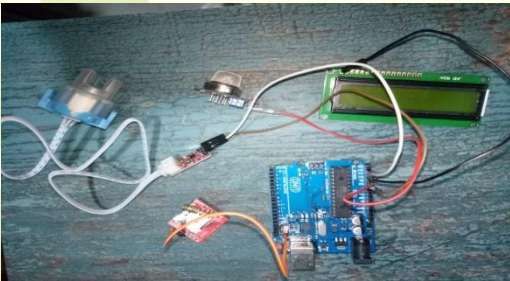


Name of Project Guide : Ms. Yogita Jore

Name of Students : Ayush Kamble
Aditya Kharatmol

Brief idea of Project : As our Project is about IOT device of Air and water Pollution detector, we are selecting this project so that we can help by detecting the surrounding Air and Water. For further implementation or the modifications which can also be used for detecting the vehicles that pollutes the air and impurities present in the water which can be determined.

Screenshots of the Project / Photos of Working Model :



Applications:

- PUC Checking
- Environmental Monitoring

Program :Information Technology

Project Title : Navigation Glasses with Blind Stick

Domain (Area of Project): Internet of Things (IoT)



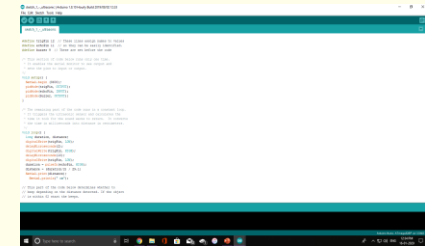
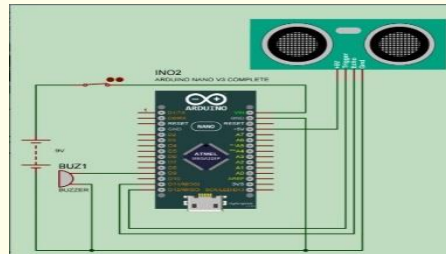
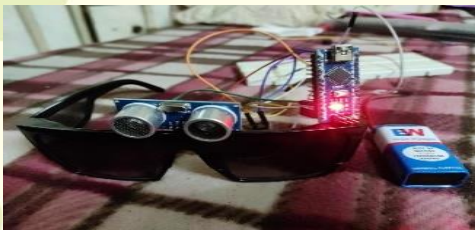
Name of Project Guide : Ms.Yogita Jore

Name of Students :Jainil Sampat

Roshan Ghevade

Brief idea of Project : We wanted to build something that is useful for the blind people. So we designed navigation smart glasses with blind stick that can be used to help the visually impaired. This device can tackle things around surroundings and help the society. With stick it will support the blind and report if something is wrong.

Screenshots of the Project / Photos of Working Model :



Applications:

- Navigation for blind people.
- Object detection.
- Danger Alert

Program : Information Technology

Project Title : Advanced Drainage System

Domain (Area of Project): Internet Of Things(IOT)



Name of Project Guide : Ms. Tanvi Gursale

Name of Students : Saylee Sunil Patil

Vikram Bhagwan Hota

Brief idea of Project: The need and purpose of our project is to help the society to manage the drainage on their own and not depending on authorities for same purpose. The idea behind our project is automatic drainage system that will send the alert of pipe choking and excessive storage of drainage in pot holes and can clear the pipes and pot holes automatically just by clicking a button.

Screenshots of the Project / Photos of Working Model (Min.3):

```
/*Code: "Arduino"
#include "Arduino.h"
// Pin Definitions
#define DRAINAGE_SENSOR_PIN 12
#define BUZZER_PIN 8

// Global Variables
int drainageSensorValue = 0;

void setup() {
  pinMode(DRAINAGE_SENSOR_PIN, INPUT);
  pinMode(BUZZER_PIN, OUTPUT);
  Serial.begin(9600);
}

void loop() {
  drainageSensorValue = digitalRead(DRAINAGE_SENSOR_PIN);
  Serial.println(drainageSensorValue);

  // Logic for handling sensor data
  if (drainageSensorValue == LOW) { // Drainage level is low
    digitalWrite(BUZZER_PIN, LOW);
    delay(1000);
  } else { // Drainage level is high
    digitalWrite(BUZZER_PIN, HIGH);
    delay(1000);
  }
}
```



Applications:

- Underwater sewage Management.
- Automatic drainage clearance.
- Underland city drainage pipe.

Program : Information Technology

Project Title : Voice Controlled Home Automation

Domain (Area of Project): Internet of Things (IOT)

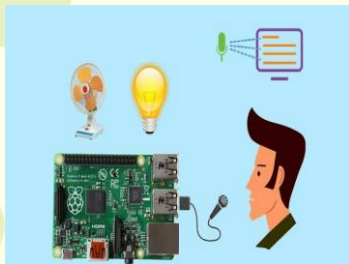


Name of Project Guide : Ms.Tanvi Gursale

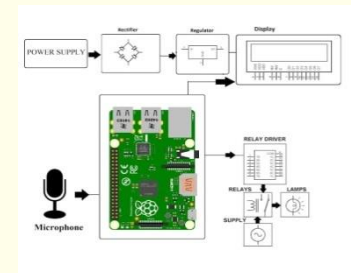
Name of Students : Saumitra Singh
Hardik Nabar

Brief idea of Project : Here we propose an automated home automation that works on speech processing. System eases the home automation task by listening to users speech and switching appliances as per user spoken commands. Here we use a mic to record users speech and transfer these commands to the Raspberry Pi through our circuitry.

Screenshots of the Project / Photos of Working Model :



Voice Controlled Home Automation System



Applications:

- Home automation using voice control can help disabled persons use appliances with ease
- The Internet is not required for using this project
- Multiple devices/appliances can be controlled using one Android device.

Program : Information Technology

Project Title : Heart Attack Prevention System

Domain (Area of Project) : I.O.T (Internet of Things)



Name of Project Guide : Mr. Sunil Dhokade

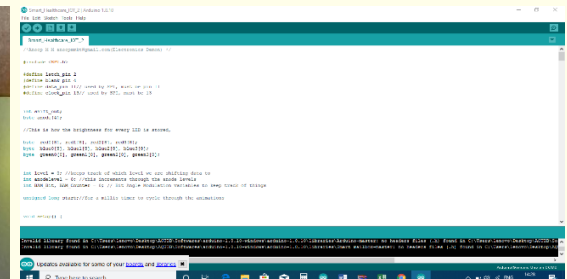
Name of Students : Abhay Parocha

Ravi Sharma

Neha Pirdankar

Brief idea of Project : It is a sensing device that senses the heartbeat rate of the user and tells the user about the heartbeat. It check pulses of the user and muscle tension and log this data on a local server. If any sudden major change occurs in heart pulses then this will alert the user.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Used in hospital.
- Can be operated easily.

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

Program : Information Technology

Project Title : Windmill monitoring

Domain (Area of Project) : Interner of Things (IOT)



Name of Project Guide : Mr. Ketan Bagade

Name of Students : Arham Shaikh

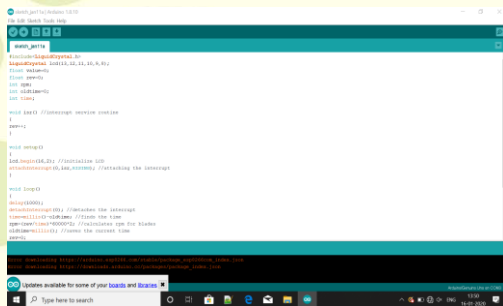
Zain Mulani

Maaz Shaikh

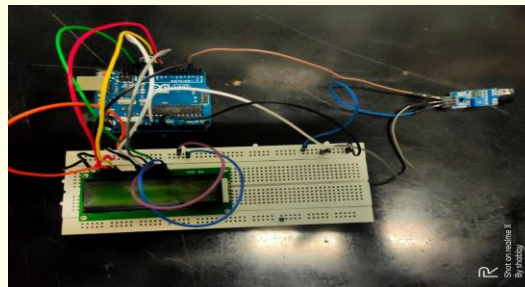
Shaybaaz Shaikh

Brief idea of Project: Present Wind mills have certain limiting factors. Most of the wind farms are located quiet far from the power utilizing areas; Monitoring and controlling of such farms are very tedious. Wind farms may be located far inside the sea, may be between the mountains, or Forests. Thus when minor faults occur, the people have to go to that particular location for fault clearing.

Screenshots of the Project / Photos of Working Model :

A screenshot of a terminal window displaying code for a windmill monitoring system. The code includes comments in Hindi and C++ code for setting up a serial connection and reading data from a sensor. The code is as follows:

```
1 //Serial port to receive data
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```



Program : Information Technology

Project Title : Heart Attack Prevention System

Domain (Area of Project) : Internet of Things



Name of Project Guide : Mr. Sunil Dhokade

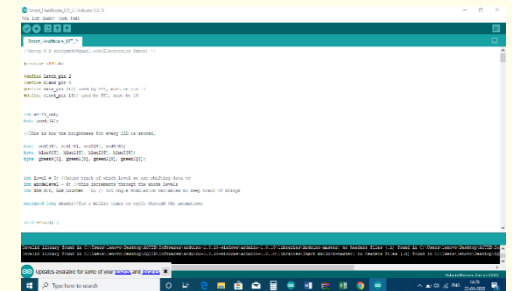
Name of Students : Abhay Parocha

Ravi Sharma

Neha Pirdankar

Brief idea of Project : It is a sensing device that senses the heartbeat rate of the user and tells the user about the heartbeat. It check pulses of the user and muscle tension and log this data on a local server. If any sudden major change occurs in heart pulses then this will alert the user.

Screenshots of the Project / Photos of Working Model :



Applications:

- Used in hospital.
- Can be operated easily.

Program :Information Technology

Project Title : NBA Process 3
Domain (Area of Project): Web Application



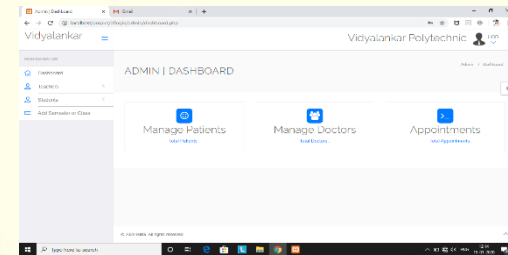
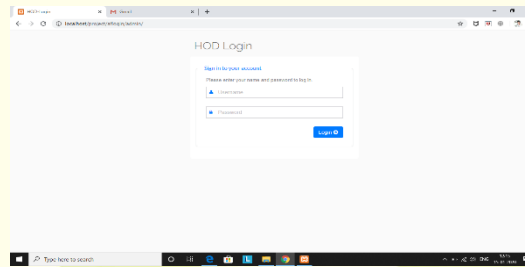
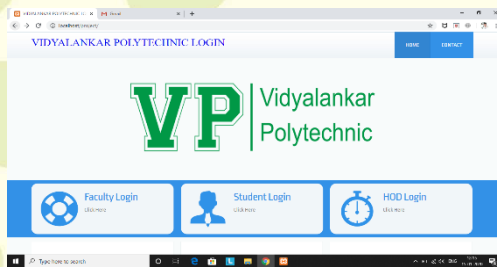
Name of Project Guide : Ms. Sushama Pawar

Name of Students : Ajit Jena

Sushant Yelurkar

Brief idea of Project: The National Board of Accreditation (NBA), India was initially established by the AICTE (All India Council of Technical Education) under section 10(u) of AICTE Act, in the year 1994, in order to assess the qualitative competence of the programs offered by educational institution from diploma level to post-graduate level in engineering and technology, management, pharmacy, architecture and related disciplines, which are approved by AICTE. Keeping this concept in mind we students of Vidyalankar Polytechnic are developing a project on Criteria 3. Criteria 3 consist of web application through which we will take input from active user which tends to data entry. Later on the entry would be analysed by a mediator i.e. Faculty and final list would be uploaded which would be visible to each individual including user as per their profile .

Screenshots of the Project / Photos of Working Model :



Applications:

- 1. User friendly Interface.
- 2. Easy and secure to manage data

Program :Information Technology

Project Title : Web Application in associated with Vatsalya Trust

Domain (Area of Project): Web Application

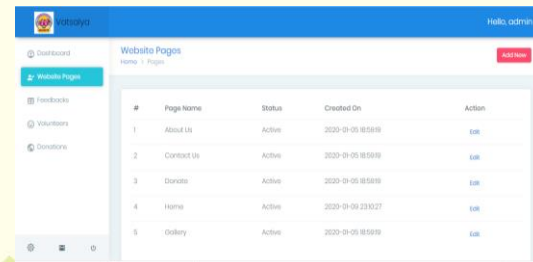
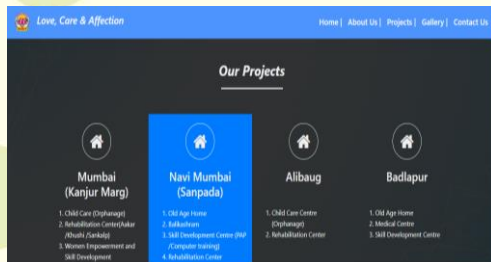


Name of Project Guide : Ms. Archana Gopnaryan

Name of Students : Shabista Idrisi
Sheetal Gupta

Brief idea of Project : As our Project is about Web Application of an Orphanage, we are selecting this project so that we can help people by Technology. By making their Web Application people can know about that Orphanage. By doing this project we can help them as well as we are trying to make their work simpler.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- This Web Application can be used by various Trust.

Program :Information Technology

Project Title : Class Management System

Domain (Area of Project) : Web Application



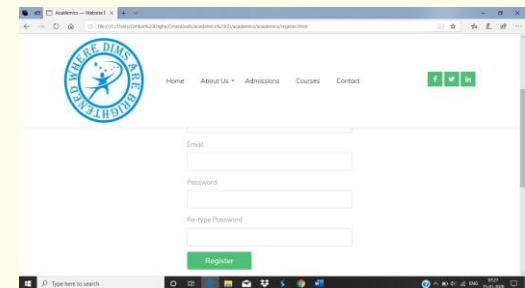
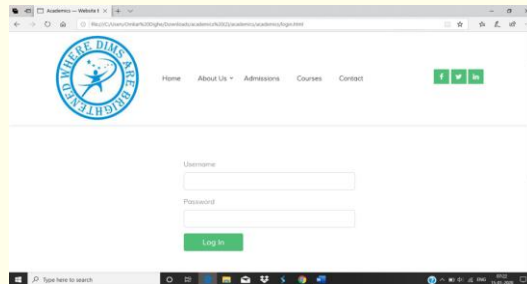
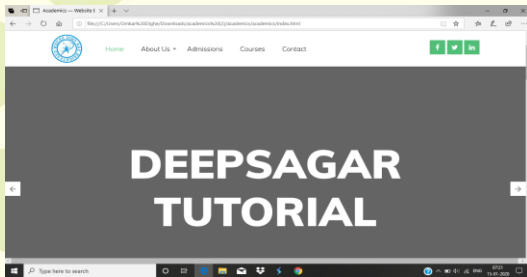
Name of Project Guide : Ms. Shridevi Patil

Name of Students : Anjali Rajesh Adsul

Omkar Vijay Dighe

Brief idea of Project : This software project is a Classes/ Tuition management system. It consists of all the data management and storage facilities that are required for effectively managing a class or tuition teaching multiple courses and subjects. It includes all the information control and storage facilities that are needed for successfully building a category tuition teaching several programs and topics.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Collect and manage student details.
- Configure the name of the class and other values in the drop-down lists.

Program :Information Technology

Project Title : House Rental Management System

Domain (Area of Project) : Web Application



Name of Project Guide : Ms. Sushama Pawar

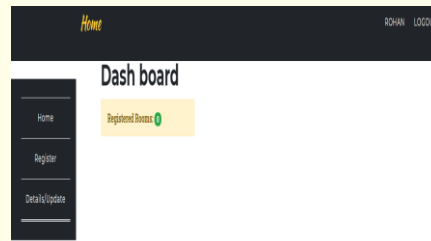
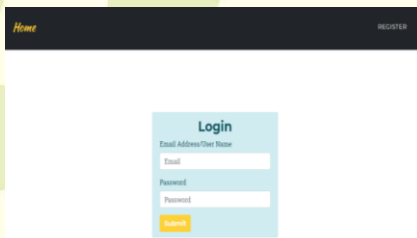
Name of Students : Nikita Kumthekar

Marziya Shaikh

Brief idea of Project:

House Rental Management System is developed using PHP, CSS, bootstrap, and JavaScript. It contains an admin side from where a user can manage the house, payments, and much more. In this project, the user has to perform all the main functions from the Admin side. He can manage the house by entering details such as house number, features, rent, and status. In order to add house, the user has to enter the details about the house. Besides, the admin can add invoices and payments too.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- User-friendly and easy to navigate
- Used to identify the suitable place efficiently.

Program :Information Technology

Project Title : Project Management

Domain (Area of Project): Web Application



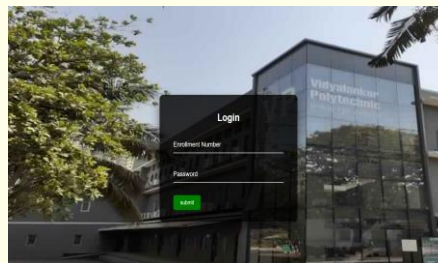
Name of Project Guide : Ms. Chetashri Bhusari

Name of Students : Bhavesh Satpute

Roshan Pasi

Brief idea of Project : Project management is the practice of initiating, planning, executing, controlling, and closing the work of a team to achieve specific goals and meet specific success criteria at the specified time.

Screenshots of the Project / Photos of Working Model (Min.3):



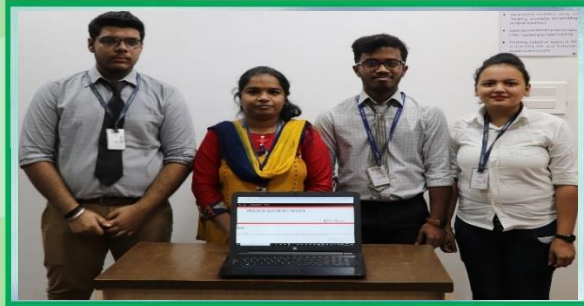
Applications:

- User Friendly Interface.
- Easy to add projects.

Program : Information Technology

Project Title : Crime File Management System

Domain (Area of Project) : Web Application



Name of Project Guide : Ms. Chetashri Bhusari

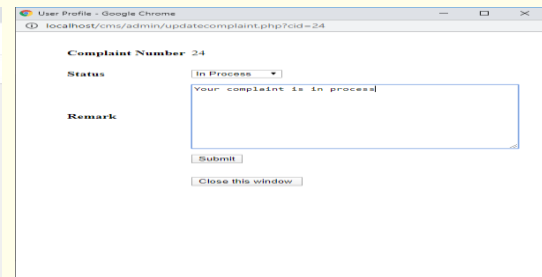
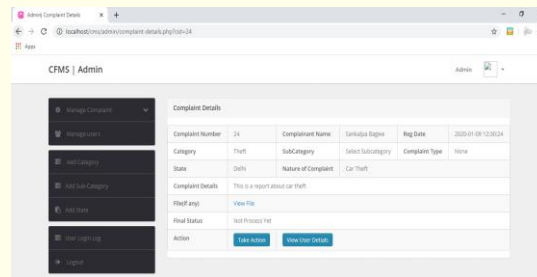
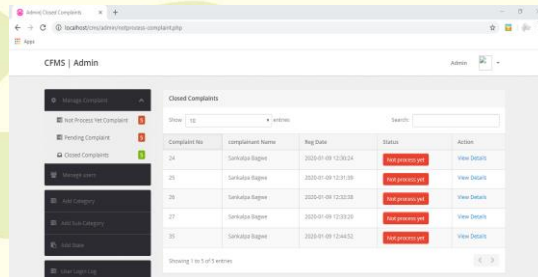
Name of Students : Sankalpa Bagwe

Bharat Chopra

Komal Singh

Brief idea of Project: The project is aimed to develop a crime file for maintain a computerized records of all the FIR against crime. The system is desktop application that can be access throughout the police department. This system can be used as an application for the crime file of the police department to manage the records of different activity of related to First Information Report. In such desktop Crime File Management System we will manage all such activities (like registration of all the complaint, updating information, search of particular crime reports, etc.) Othat will save manpower and will also provide better perspective for enhancement of organization regarding to quality and transparency.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Online Complaint Registration.
- Centralized Database System For Management Of All Registered Reports.

Program :Information Technology

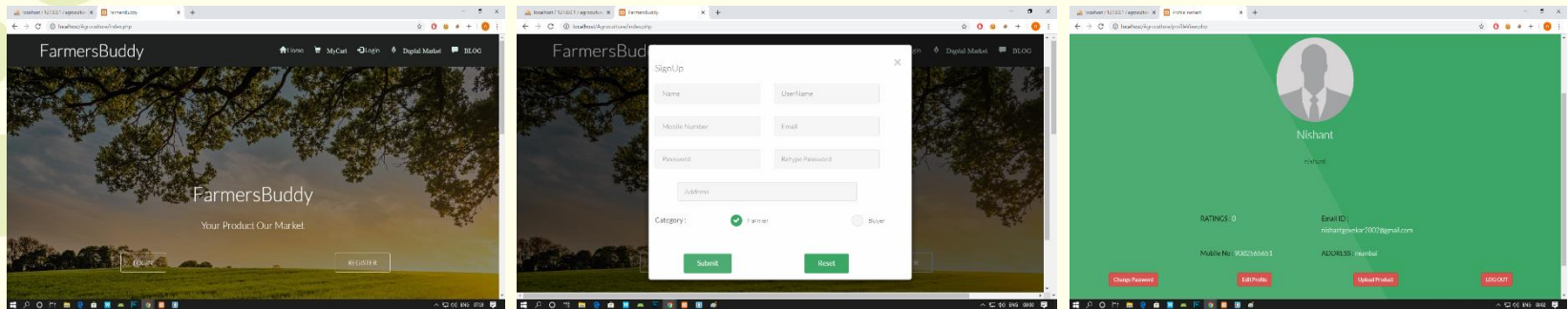
Project Title : Farmers Buddy
Domain (Area of Project) : Web Application



Name of Project Guide : Ms Shonal Vaz
Name of Students : Nishant Govekar
Tejas Lad
Guntaka Ganesh Reddy
Mahesh Yasa

Brief idea of Project :The name 'farmers buddy' indicates Intelligent Agriculture. This site helps the farmers to sell their agricultural produce online and suggests best -in-practice farming processes. Hence, providing a wider market and helping them to not restrict themselves to the local market. It helps the wholesalers and retailers in buying produce from larger number of farmers. Thereby, enables the wholesalers and retailers in expanding their business and they are also do the digital marketing

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Buying and selling Product for Farmer

Program :Information Technology

Project Title : Enlight Your Grievence

Domain (Area of Project): Web Application



Name of Project Guide : Ms.Bhagyashri Kulkarni

Name of Students : Tanishk Shah

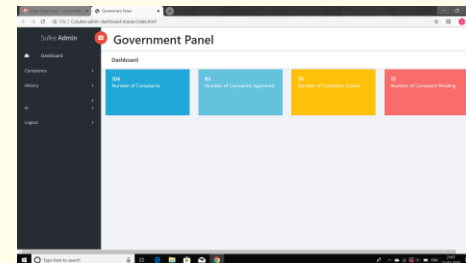
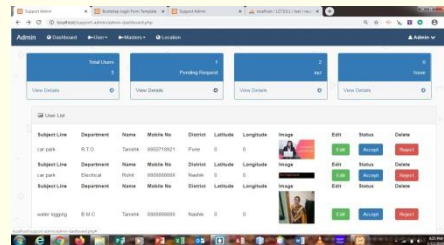
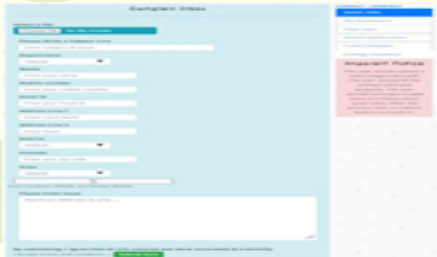
R. Balakrishnan

Rohit Kakade

Shivshankar Sahu

Brief idea of Project : In this project we are going to develop a portal. This portal will cover various aspects like security, awareness, responsibility, etc. This portal will contain a website, user panel and admin panel .In user panel user can capture the photo of any complaint and upload it. In admin panel, admin will verify whether the complaint is genuine or not. If the complaint is genuine then the action will be taken and user will get acknowledgement of the complaint approved otherwise rejected.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- BMC Department
- RTO Department

Program : Information Technology

Project Title : Smart Industrial Visit (SIV)

Domain (Area of Project) : Web Application



Name of Project Guide : Mr. Sunil Dodake

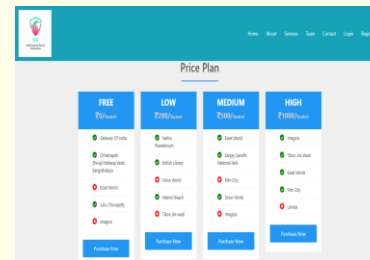
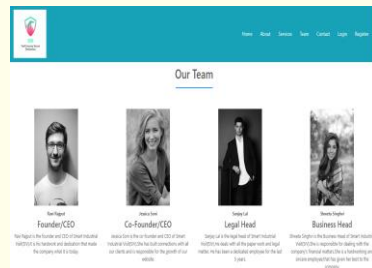
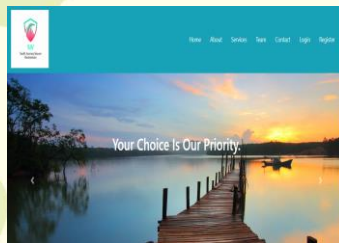
Name of Students : Arsheen Kazi

Uday Jadhav

Brief idea of Project

The website is designed to help schools and colleges to organise and plan industrial visits to various parts of the city in an online booking type of system. This will reduce work load on both the faculty and the students involved in the planning and booking processes .

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Robust and Secure booking process.
- Quick and easy way of booking industrial visits online.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify: Smart India Hackathon Competition 2020.

Program :Information Technology

Project Title : Blood Donation management system.

Domain : Web Application



Name of Project Guide : Ms. Trupti Dudhat

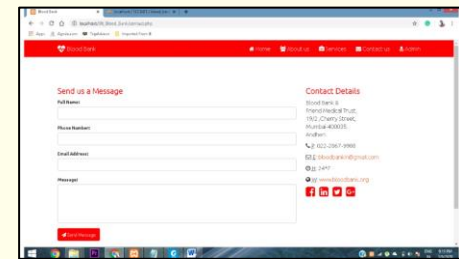
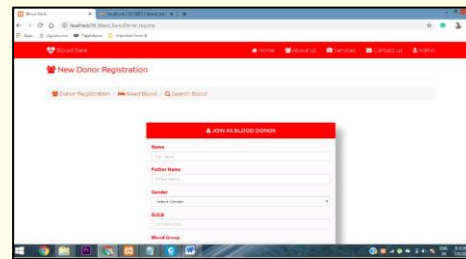
Name of Students : Yash Ubhe

Sakshi Mahadik

Brief idea of Project :

The main aim of this project is to save lives of people by providing blood. Our project Online Blood Bank system is developed so that users can view the information of nearby hospitals, blood banks. We have provided security for authenticated user as new user have to register according to their type of perspective and existing user have to login.

Screenshots of the Project / Photos of Working Model :



Applications:

- Maintains all the information pertaining to Blood Donors
- Different Blood groups available in each blood blank and help them to manage it

Program : Information Technology

Project Title : Online Examination and College Forum

Domain (Area of Project) : Web Application

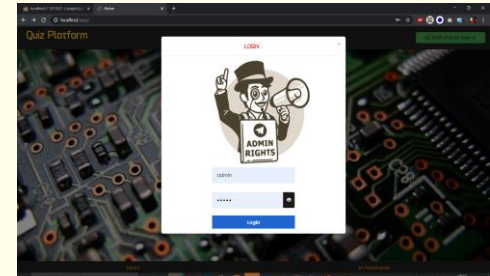
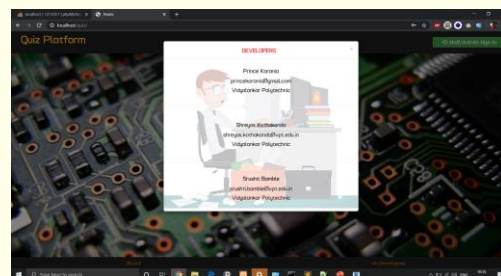
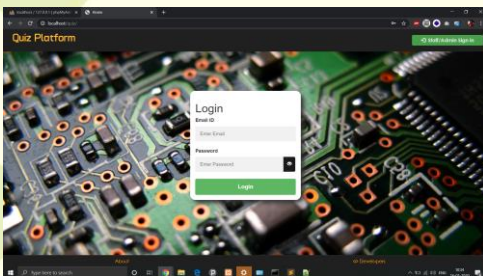


Name of Project Guide : Ms. Yogita Jore

Name of Students : Prince Karania
Shreyas Kothakonda
Srushti Bomble

Brief idea of Project: An online assessment or e-assessment is sometimes used to take (parts of) an assessment. Questionnaires and online ability tests can be completed at home or in a controlled environment. College Forum: An Internet forum, or message board, is an online discussion site where people can hold conversations in the form of posted messages.

Screenshots of the Project / Photos of Working Model :



Applications:

Progressive Theory Exams. Student-Faculty Connectivity

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify: Smart India Hackathon Competition 2020

Program :Information Technology

Project Title : Online Video Directory For Entrepreneur

Domain (Area of Project): Web Application



Name of Project Guide: Ms. Shonal vaz

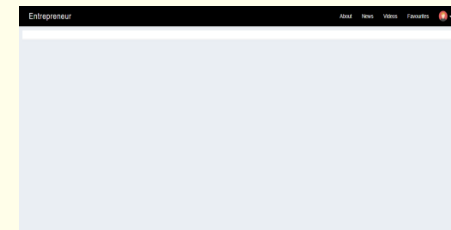
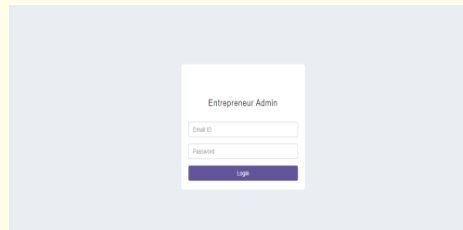
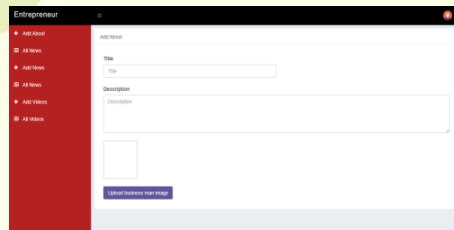
Name of Student : Yash Naiknavre

Kaustubh Ghadge

Riyaz Khan

Brief idea of Project : This video directory will give the information about the Entrepreneur to every needy person, related in their specific field .It will be having videos of the entrepreneur and also the information along with video . The queries which arises in their mind can be solved here by any experience entrepreneur.

Screenshots of the Project / Photos of Working Model :



Applications:

- It will help for gathering knowledge about the entrepreneur and their secrets of becoming successful and influencing the students and people to achieve great success in their life's.

Program : Information Technology

Project Title : Vs Café D3

Domain (Area of Project): Web Application



Name of Project Guide : Ms Samidha Chavan

Name of Students : Aamir Motiwala

Alfina Manekia

Brief idea of Project : This project has been sponsored by a VS cafe where there requirements are a List of items and prices option where they keep record of each and every customer visit to the cafe, their sale list; what was sold and their constant at the a tally option where for sold and received money and they can find out what is the profit of the entire day of if else they are in loss .In addition we are trying to add an barcode scanner where there will be customer record and if the person has visited the cafe for more than 4 time there will be a discount for that customer.

Screenshots of the Project / Photos of Working Model (Min.3):

Inventory Management System

View By Category:
[laptop](#) [mobile tv](#) [earphone](#)

View By Brand:
[dell](#) [lenovo](#) [hp](#) [samsung](#)

Displaying All products here

[Add new product](#)

ID	Name	Description	View	Edit	Delete
1	hello 1	hello 2	View	Edit	Delete
3	hello 3	hello 3	View	Edit	Delete
5	aamir motiwala		View	Edit	Delete

Category Name: *Cafe Mocha*

Brand Name: *nescafe*

product Name: hello 1

product Description: hello 2

hello 1

hello 2

Cafe Mocha ▼ nescafe ▼

Update Now

Applications:

- Used for business automation and sales management
- Use for customer relationship

Program :Information Technology

Project Title : Digital ID

Domain (Area of Project) : Web Application



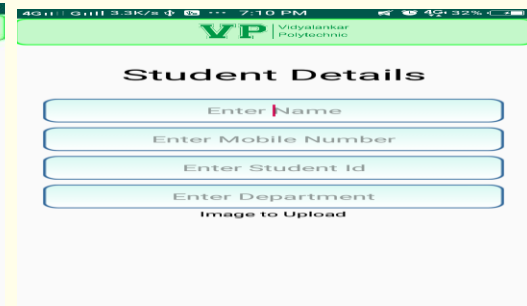
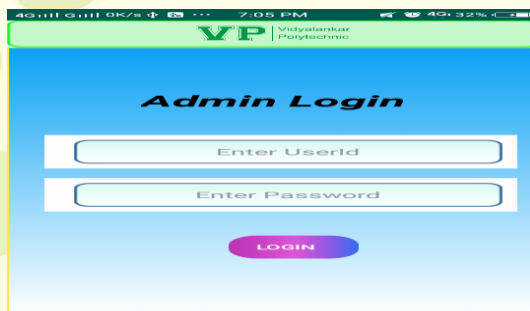
Name of Project Guide : Ms. Sridevi Patil

Name of Students : Pooja Borade

Samruddhi Chavan

Brief idea of Project : Every corporate company people use rfid for authentication. A digital ID card for employees using an app. Digital ID will be generated via one time registration which will be very secure with email. Once the registered user is authentication he can get his ID on app. User can scan that ID's barcode at the gate via his phone and check if he has access to the floor or not . If preferred, employees can self-issue mobile ID cards for themselves by uploading their on photo moderation and allow app user to submit their ID photos for approval before using.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Travel, Payment, Health, Media
- Attendance System- Check-in/ Check-out.

Program : Information Technology

Project Title : Document Generator

Domain (Area of Project) : Web Application



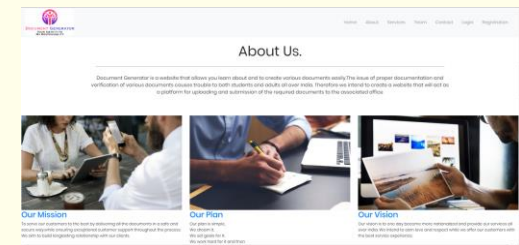
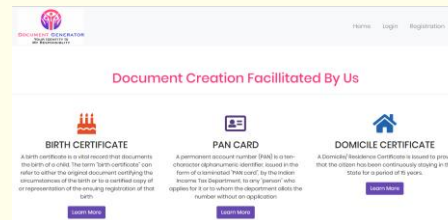
Name of Project Guide : Ms. Sushama Pawar

Name of Students : Samreen Kazi

Apurva Kapse

Brief idea of Project : The issue of proper documentation and verification of various documents causes trouble to both students and adults all over India. Therefore we intend to create a website that will act as a platform for uploading and submission of the required documents to the associated office.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- User friendly interface.
- Fast and Secure way of doing documentation online.

Program :Information Technology

Project Title : Employee Self Service Portal (ESS)

Domain (Area of Project): Web Application

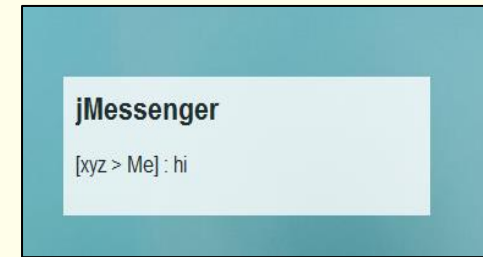
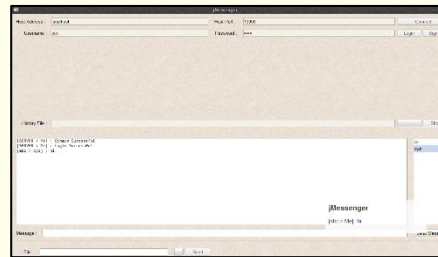
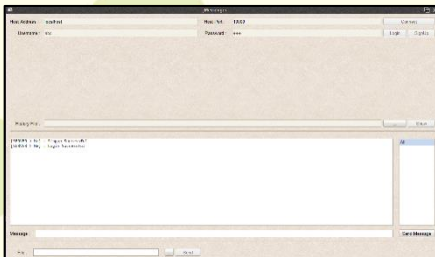


Name of Project Guide : Rupali Sheth

Name of Students : Hasib Shaikh
Adnan Khan

Brief idea of Project : Employee self-service (ESS) provides employees access to their personal records and details. ESS features include allowing employees to change their contact details, banking information, and benefits. ESS also allows for administrative tasks such as applying for leave, seeing absence history, reviewing timesheets and tasks, etc. In this project we are about to build an end to end solution for the employees working for Neovation to cater their daily activities. This project will benefit the company as it can manage all around activities like employee attendance, leaves, expenses and also salary slips.

Screenshots of the Project / Photos of Working Model :



Applications:

- ESS is an easy way to distribute HR documents to your employees.
- You can share your employee handbook, benefits forms, notices, or anything else you want.

Program :Information Technology

Project Title : Website of Ganesh Metals

Domain (Area of Project): Web and Andriod Application



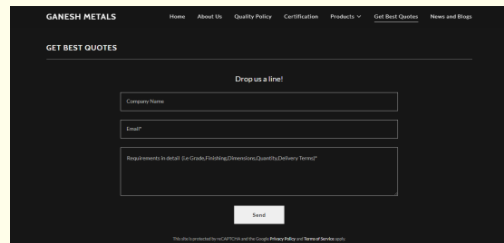
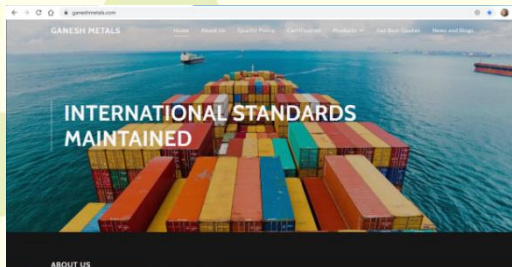
Name of Project Guide : Ms. Samidha Chavan

Name of Students : Poorvi Sunil Kolge

Mayuri Mangesh Mane

Brief idea of Project : Ganesh Metals Corporation is ISO 9001 2015 certified company which trade metal materials with associates like Jindal, Essar, Viraj , Posco, Tata, Hindalco . Companies website plays an important role in their Marketing and Business Relationship building. Companies existing website is upgraded as per companies guidelines. New links for “Get Best Quotes” and “News and Blogs” are added existing website. Website is also optimized by editing its content, adding content, and modifying HTML and adding specific keywords using SEO. Mobile Application is also designed for Ganesh Metals Corporation.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Used as a marketing tool for promoting products. \
- Used for business relationships and enquires.

Program :Information Technology

Project Title : Vehicle Portal

Domain (Area of Project): Web Application



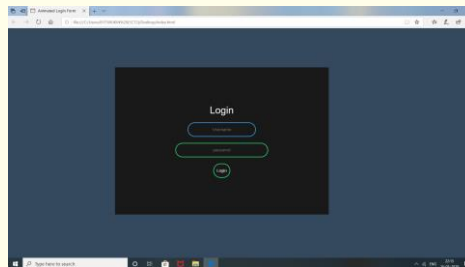
Name of Project Guide : Ms.Chetashree Bhusari

Name of Students : Omkar Gaikwad

Jatin Shinde

Brief idea of Project : The project titled ‘ Portal of a Vehicle ‘ has the content which is meant for sharing information regarding vehicles on the basis of information available on centralized “ VAHAAN “ and vehicle National Register.It is a web base application.The information about various types of vehicles along with their parts and features is displayed.website is very easy to use for both beginners and advanced users.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- It can be used for evaluating dynamic mobility applications and transportation and demand management strategies.
- It is a web based portal that provides access to and supports the collaboration,development and use of open source.

Program :Information Technology

Project Title : OAcharya
Domain (Area of Project): Web Application



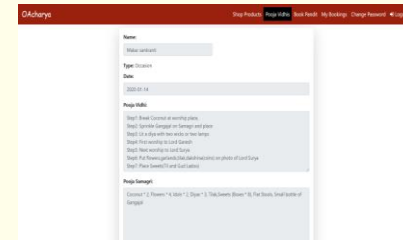
Name of Project Guide : Chetashri Bhusari

Name of Students : Samruddhi Bhopalkar
Himaja Dudhal

Brief idea of Project:

OAcharya believes in deep indulgence of the roots to Indian Culture. OAcharya helps conduct various Dharmik vidhi's. At your home and office in the most convenient way it helps by providing the list of all festivities throughout the year. OAcharya helps not only in remembering the festivities but it also provides the steps to perform pooja on that particular day including the 'samagri' required for the day.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- All types of Pooja or steps to worship a deity will be available anytime.
- Festivals upcoming in all months will be notified to the user.
- Pandit can be easily booked anytime.
- Delivery of Pooja samagri available at one click through online order.

Program : Information Technology

Project Title : Student Diary
Domain (Area of Project) : Web Development

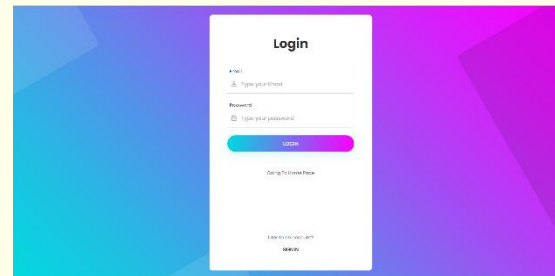
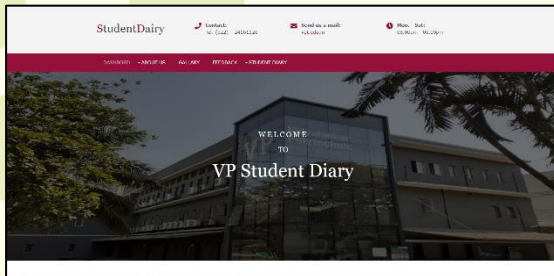


Name of Project Guide : Mr. Ketan Bagade

Name of Students : Rahil Shaikh
Nitesh Khuman
Aniket Pawar

Brief idea of Project : A diary is a record (originally in handwritten format) with discrete entries arranged by date reporting on what has happened over the course of day or other period. A personal diary may include a persons experiences, thoughts, and/or feelings, excluding comments on current events outside the writers direct experience. Someone who keeps a diary is known as a diarist. Diaries undertaken for institutional purposes play a role in many aspects of human civilization, including collage. A diary is a collection of notes. Today the term is generally employed for personal diaries, normally intended to remain private or to have a limited circulation amongst friends or relatives.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Student Diary provides some features for teachers and students.
- Student diary shows the performances of each student.

Program : Information Technology

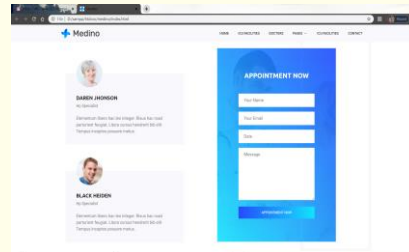
Project Title : Virtual Visits to ICU
Domain (Area of Project) : Web Application



Name of Project Guide : Bhagyashree Kulkarni
Name of Students : Vaishnavi Mitapelli
Rutuja Chavan

Brief idea of Project : An intensive care unit (ICU) is the most critical area of a hospital, where admission is restricted to prevent any possibility of transmission of infections or entry of harmful microbes. The dual challenge of providing real time information of the condition of the patient to his or her relatives and friends and preventing the infection rate in the ICU from going up, can be met through an innovative technology. The 'I-SEE-U' facility can be designed with this in mind to enable virtual visits to individual ICU cubicles, both by consultants and the relatives and friends. We can zoom, tilt or pan in on the patient's observation notes so we can read them clearly and the families could feel like standing at the patient's bedside.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Patient's relatives can watch over them anytime.
- Lower risk of infection to patients.

Program : Information Technology

Project Title : Early Prediction of Lifestyle diseases

Domain (Area of Project) : Web Development



Name of Project Guide : Ms. Sushma Pawar

Name of Students : Saket Shukla

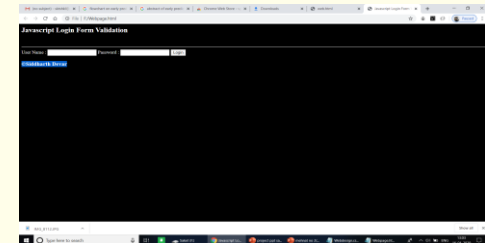
Siddharth Devar

Brief idea of Project : We are going to make a website where the person will enter his information about what he/she does, eats in their day-to-day life. We develop algorithms for predicting diseases that may occur in the person's life. This will help the person to take precautions for what disease can happen to him in future.

Screenshots of the Project / Photos of Working Model :

```
body {
  font-family: sans-serif;
  background-color: #f0f0f0;
  padding: 10px;
  margin: 0;
}
h1 {
  text-align: center;
  margin-bottom: 20px;
}
div {
  border: 1px solid #ccc;
  padding: 10px;
  margin-bottom: 10px;
}
input {
  width: 100%;
  height: 30px;
  border: 1px solid #ccc;
}
p {
  margin: 5px 0;
}
```

```
function validate() {
  var username = document.getElementById("username").value;
  var password = document.getElementById("password").value;
  if (username == "Saket" && password == "Siddharth123") {
    alert("Login successfully!");
    window.location = "Success.html"; // Redirecting to other page.
    return false;
  } else {
    attempt++; // Decrementing by one.
    alert("You have left " + attempt + " attempts.");
    // Disabling fields after 3 attempts.
    if (attempt == 3) {
      document.getElementById("username").disabled = true;
      document.getElementById("password").disabled = true;
      document.getElementById("submit").disabled = true;
      return false;
    }
  }
}
</script>
</head>
<body bgcolor="black" text="white">
```



Applications:

Program :Information Technology

Project Title : Committee Diary

Domain (Area of Project) : Web Application



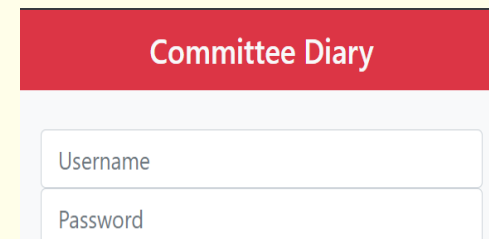
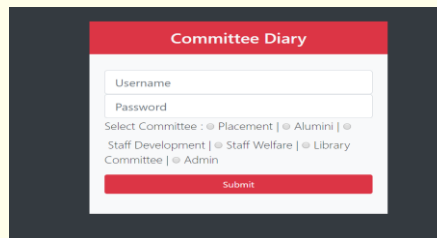
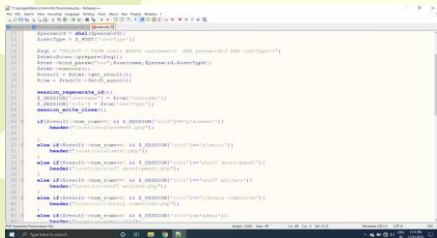
Name of Project Guide : Mr. Ketan Bagade

Name of Students : Neha Modhave

Preeta Tiwari

Brief idea of Project: This Project is used to maintain the record of vidyalankar committee activity. Planned Activity calendar of 5 committee will be uploaded by the committee members. After Completion of activity a Report is uploaded by committee members. A Committee book Will be generated automatically after all Activity reports are uploaded.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:-

- Used in colleges for keeping the record committee.

Program : Information Technology

Project Title : Voice command robot using raspberry Pi

Domain (Area of Project): Robotics



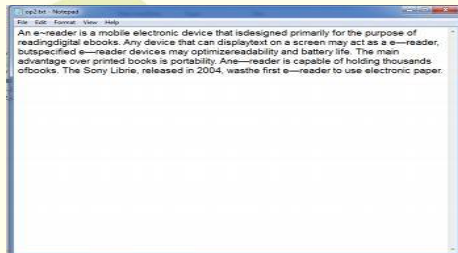
Name of Project Guide :Ms.Trupti dudhat

Name of Students :Pranay pokharkar

Basavaraj kumbhar

Brief idea of Project : This project presents the object and word detection system and gives output through speaker using the raspberry pi module. This design in the system can detect the object in less time. This project is user friendly and reliable. The process method in highly beneficial to the blind people to become independent in day to day life. In future we can implement this system in every blind people glasses or hat or Stick.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- This is user friendly and reliable.
- The process method in highly beneficial to the blind people to become independent to day to life.

Program :Information Technology

Project Title : Window Cleaning Robot

Domain (Area of Project) : Robotics

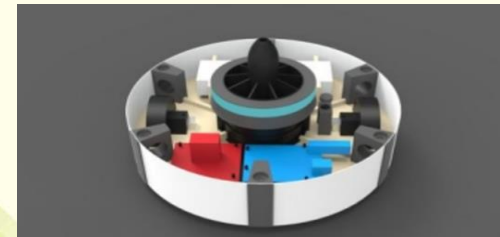
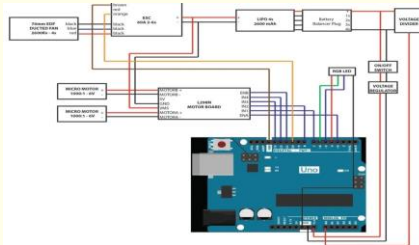


Name of Project Guide : Ms. Tanvi Gursale

Name of Students : Samuel Selvakumar
Hammad Khan

Brief idea of Project :The objective of this research is to develop the small-size and light weight window cleaning robot. The prototype of window cleaning robot has been developed. The prototyped robot consists of two independently driven wheels and an active suction cup. The control system which includes traveling direction controller using accelerometer and traveling distance controller using rotary encoder and edge sensors were installed for autonomous operation. This paper includes background and objectives of this research, prototyped mechanical systems, moving control system, experimental result of basic traveling control and window wiping motion by comparing to with or without of motioned control system, some discussions in each experiment and a conclusion.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Used for cleaning skyscraper.
- The place where human can barely go or used mop for cleaning can be replaced by this robot.

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

Program : Information Technology

Project Title : Fire Extinguisher Robot

Domain (Area of Project): Robotics



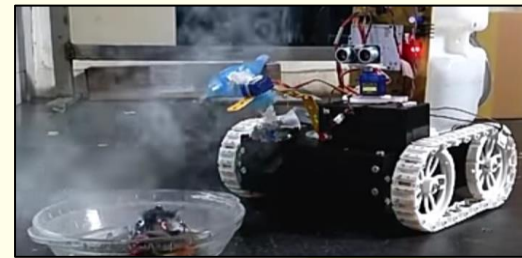
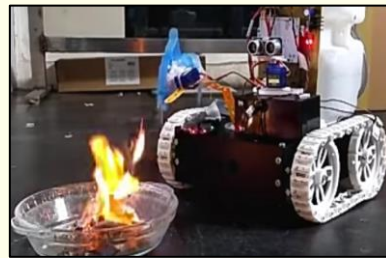
Name of Project Guide : Shridevi Pawar

Name of Students : Zeeshan Zardi

Mahesh Gupta

Brief idea of Project: We are making a Fire Extinguisher Robot which can reduce the human effort and extinguish fire. From this project without effecting any human life we can extinguish fire easily. Our fire extinguisher robot will detect fire,flame and smoke and run toward that fire and from its water pump it will extinguish fire.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- It is used to Extinguish Fire.
- It will exchange and take place of human fire extinguisher where human cannot reach it can reach easily.

Program :Information Technology

Project Title : 3 Way Axis Wheel Chair

Domain (Area of Project) : Robotics



Name of Project Guide : Ms. Samiddha Chavan

Name of Students : Siddhesh Anikhindi

Lakshya Sharma

Brief idea of Project : Smart Wheel Chair is mechanically controlled device designed to have self-mobility with the help of the user command. This reduces the user's human effort and force to drive the wheels for wheelchair. Furthermore it also provides an opportunity for visually or physically impaired persons to move from one place to another. This Wheel Chair allows the user to effortlessly climb stairs. These devices are useful especially in transportation from one place to another and for climbing stairs. This Wheel Chair can also be used in old age homes where the old age persons have difficulty in their movements. This device serve as a boon for those who have lost their mobility.

Screenshots of the Project / Photos of Working Model :



Applications:

- Climbing up the Stairs
- Adaptable for severity of disability.
- Minimal Efforts to Mobilize

Program: Information Technology

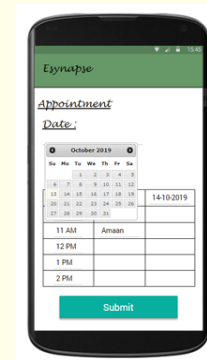
Project Title :Esynapse
Domain (Area of Project) :Mobile Application



Name of Project Guide : Ms. Yogita Jore
Name of Students : Shreyas Shah
Amaan Dakhway

Brief idea of Project : The Esynapse Application is a platform where patients, students, doctors and pharmacists can come together. Esynapse is a digital meeting space for doctors, patients and Healthcare partners which bridges the gap between them and allows them to serve patients easily.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications :

- Used to make appointments online.
- Selection of doctors for the treatment of your choice.

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify:
Runners Up in State Level Paper Presentation Held at M.H. Saboo Siddik Polytechnic.

Program :Information Technology

Project Title : Mirco Money

Domain (Area of Project): Mobile Application

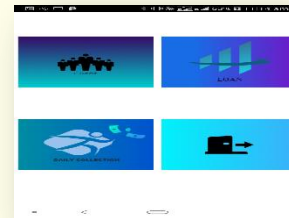
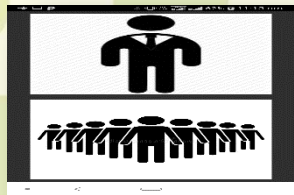


Name of Project Guide :Ms. Yogita Jore

Name of Students :Jai Shiddharth
Khushi Singh

Brief idea of Project : The micro money sector is lending money for people on the bases of simple interest on their need for small amount of money. The micro money is primary business. They are classified into two parts Professional, and Non-professional. The professional moneylenders are those whose primary business is moneylending. On the other hand, the non-professional moneylenders are those who are engaged in some other profession but whose side business is moneylending. They include landlords, agriculturists, merchants, traders, rich widows, pensioners, advocates, teachers, or any other person who has got surplus money.

Screenshots of the Project / Photos of Working Model :



Applications:

- Used for saving the data of the money lenders.
- Used keeping the history of the money and the client.
- Used for maintaining the proper data of daily collected money.

Program : Computer Engineering

Project Title : VP Share App

Domain (Area of Project) : Mobile Application



Name of Project Guide: Mr. Anjum Mujawar

Name of Students : Ritesh Gupta

Faizan Shaikh

Akshay Jadhav

Tanish Mohanty

Brief idea of Project : Our project is about VP Share app that helps us to share educational resources i.e notebooks, textbooks, pencils, etc to different NGOs & Schools in Mumbai. This capstone project aims toward developing an efficient and user-friendly android application that will be able to provide NGOs and Schools, staffs that are useful for students with all the needed material being used during education.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Can be used by all the people who are willing to donate.
- Can be used by the School or NGOs to raise funds.

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

Program : Information Technology

Project Title : Android application on fitness and diet

Domain (Area of Project): Mobile Application

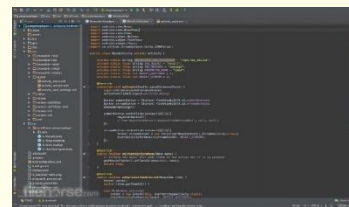
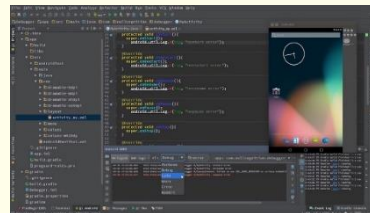
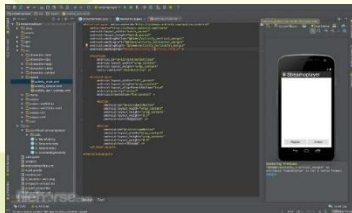


Name of Project Guide : Ms. Archana Gopnarayan

Name of Students : Sameer ugale
Nimish Owhal

Brief idea of Project : The android application on fitness and diet focuses on personal health and physique. It will provide users their needed workout and diet for their muscles which help users to gain or lose their body weight with a regular scheduling and proper diet plan.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Used for fitness enthusiasts
- Used in Gyms and fitness centers
- Used for home workout purpose.

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

Program :Information Technology

Project Title : Smart Health Sharing System

Domain (Area of Project): Mobile Application



Name of Project Guide : Mr. Sunil Dodake

Name of Students : Vaishnavi Nalawade

Reena Gupta

Sanskruti Pawar

Komal Andhe

Brief idea of Project : The aim of this project is to improve the hospital process which is based on the paper work, by using Smart Health Information Sharing (Smart HIS).

The aim of the project is to develop web application to generate and integrate health report from different hospitals. System allows doctors, nurses, pharmacists, other health care providers, and patients to access and securely share essential medical information electronically.

Screenshots of the Project / Photos of Working Model (Min.3):

Register Patient

First Name Last Name

E-mail

Password

Phone Number

Address Number

Blood Group

Sign in

E-mail

Password

Remember me

[Not a member? Register](#)

Search Patient

Patient ID

Patient Name Mobile Number

Add Tests

Test Name Test Details

Applications:

- Healthy Living
- Home Care
- Acute Care

Program :Information Technology

Project Title : Mumbai cha Dabbewala

Domain (Area of Project) : Mobile Application

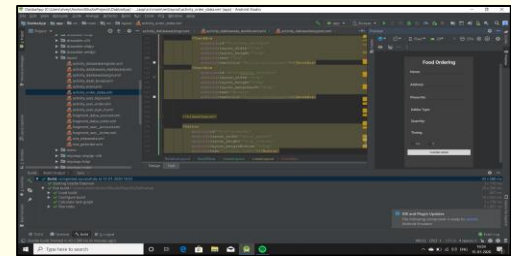
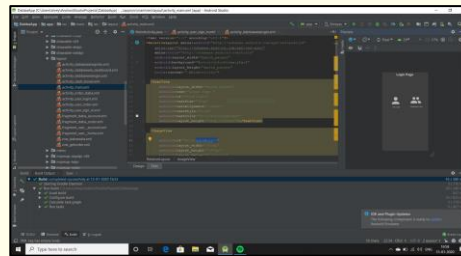
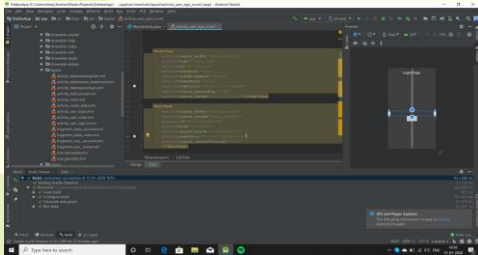


Name of Project Guide : Mr. Rupali Sheth

Name of Students : Vinay Shivnekar
Shreyas Jadhav

Brief idea of Project : This project provides an Application through which people of Mumbai can order Dabba service online using the internet. The aim of doing this project is to have practical knowledge of Dabbawala's team and their actual performance in the supply and management of food delivery service.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Our project provides an Application through which people of Mumbai can order Dabba service online using the internet.
- This application is built to be beneficial to student knowledge as well as help Mumbai dabbawala's..

Program : Information Technology

Project Title : Campus Activity Hub

Domain (Area of Project): Mobile Application



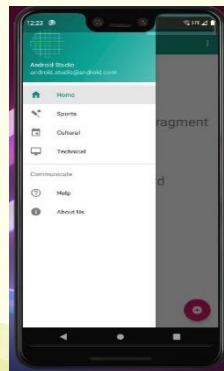
Name of Project Guide : Ms. Archana Gopnarayan

Name of Students : Hassaan Khan

Krupa Parate

Brief idea of Project : Event management involves identifying the target audience, devising the event concept, planning the logistics and coordinating the technical aspects before actually launching the event. As the number of events increase, there is a growing realization about the continuing need to develop event management professionals who are able to create, organize and manage events. The application 'CAMPUS ACTIVITY HUB' is designed to make event management easy.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Events in college
- For office or any industries creating event

Program :Information Technology

Project Title : Bus Tracking System

Domain (Area of Project): Mobile Application

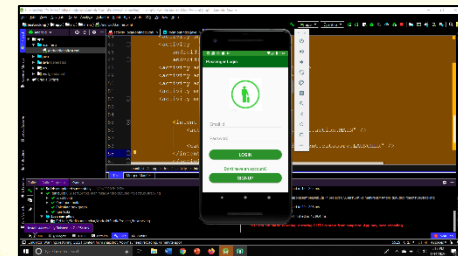
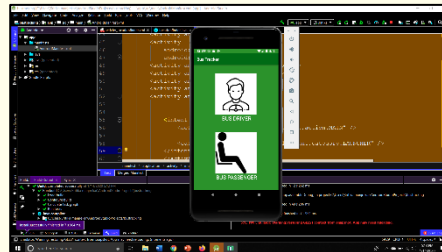
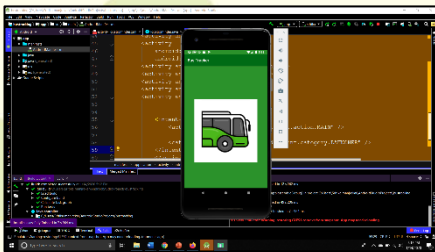


Name of Project Guide : Ms. Prerana Jalgaonkar

Name of Students : Amaan Khan
Sritika Manjrekar

Brief idea of Project : The “Bus Tracking System” is the technology used to determine location of the bus by using android studio. The project is an android application. The application is basically related to vehicle “Bus” and for drivers and passengers. The application informs the passenger where the bus locating. The basic purpose of the project is to locate a bus. The Time slots will be defined in constants from a particular time of buses arrival time for every bus stop.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Bus Tracking System can be used to any tracking, while limiting here for bus tracking it can be used for multipurpose work.

Program : Information Technology

Project Title : Fake Review Detection System

Domain (Area of Project): Mobile Application



Name of Project Guide : Ms. Prerana Jalgaonkar

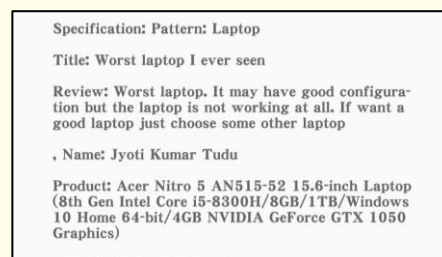
Name of Students : Pratik Naik

Siddhesh Amale

Durvank Deorukhkar

Brief idea of Project : Our project is on Fake Review Detection System that helps us to find out the fake review in the online applications or e-commerce website by using the sentiment analysis method so it is helpful to people for buying a new product online and it keeps genuine reviews.

Screenshots of the Project / Photos of Working Model (Min.3):



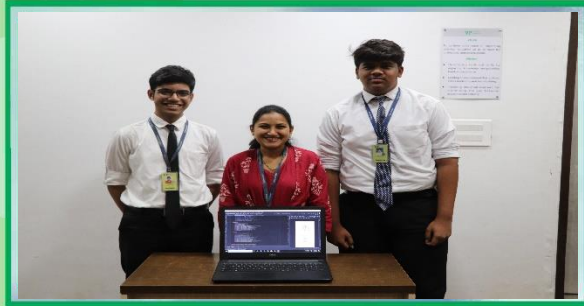
Applications:

- Helps in identifying fake/spam reviews and keep genuine reviews
- Sellers and Customers can rely on the reviews sorted by our system

Program : Information Technology

Project Title :Library Management

Domain (Area of Project) :Android Application

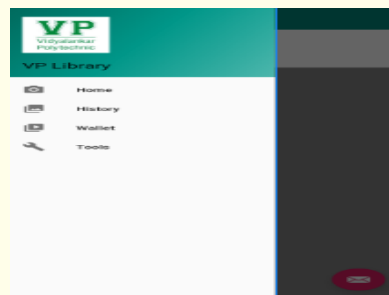


Name of Project Guide : Bhagyashri Kulkarni

Name of Students : Yash Satelkar
Lavesh Dalvi

Brief idea of Project : This project is a Library management software for monitoring and controlling the transactions in a library. It is developed in android studio which mainly focuses on basic operations in a library like adding new member, new books, updating new information, searching books and members and facility to borrow and return books.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications :

- This system can be used in public or private libraries.
- It can also be implemented in the library of schools, colleges, institutes, and organizations

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

Program :Information Technology

Project Title : E- commerce Application

Domain (Area of Project) : Android Application

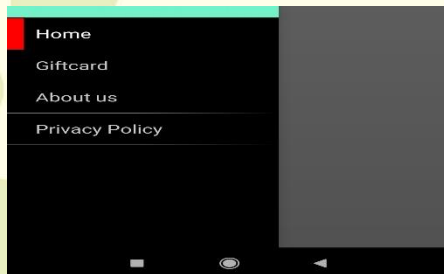


Name of Project Guide : Bhagyashree Kulkarni

Name of Students : Mohannad Khan
Ali Shaikh

Brief idea of Project : In today's world as most of the business are having their products online through their own application/website or on any other third-party application/website. As India's Economy is heading towards recession, the company wanted cost cutting by getting rid of the middle man, and to serve the cheapest deal directly to the customer.

Screenshots of the Project / Photos of Working Model (Min.3):



Applications:

- Online marketing and purchasing
- Retail and wholesale.
- Online booking.

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

Program : Information Technology

Project Title : Blockchain Based Certification System

Domain (Area of Project): Security



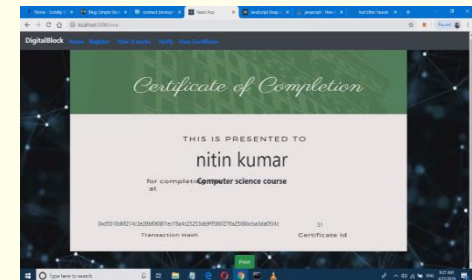
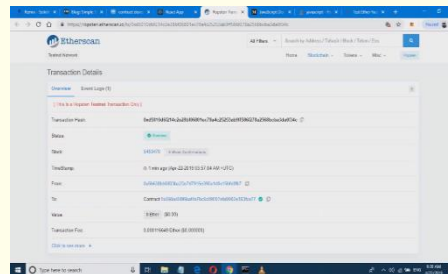
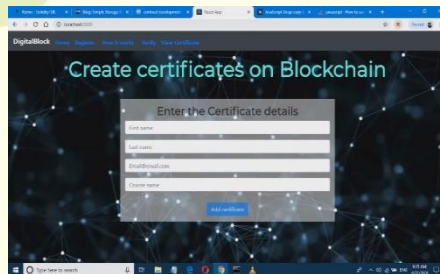
Name of Project Guide: Shonal Vaz

Name of Students : Iban Ansari

Chirag Meher

Brief idea of Project : Based on Blockcerts, a series of cryptographic solutions are proposed to resolve the issues above, including, utilizing a multi-signature scheme to ameliorate the authentication of certificates; exerting a safe revocation mechanism to improve the reliability of certificates revocation; establishing a secure federated identification to confirm the identity of the issuing institution.

Screenshots of the Project / Photos of Working Model (Min.3)



Applications:

- In college for certificate validation.
- In offices for certificate validation.

Program : Information Technology

Project Title : Health Alert

Domain (Area of Project): Security



Name of Project Guide : Ms.Sonal Vaz

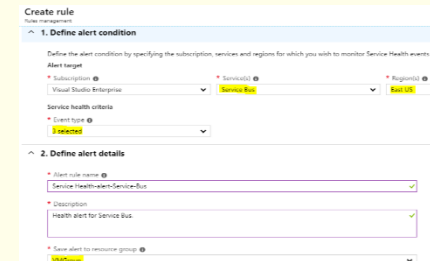
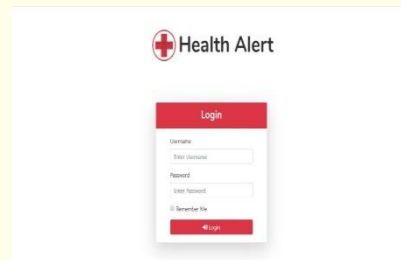
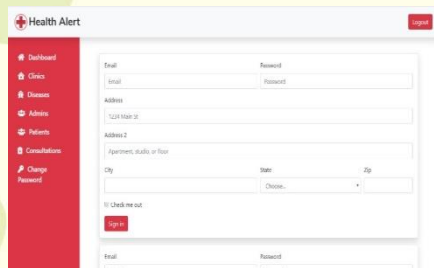
Name of Students : Soham Lad

Devang Shirodkar

Shaikh Salim

Brief idea of Project : Health Alert Application will analyse the data of clinics of a particular region. According to the data it will search for the most viral disease . After the report is generated it will be delivered.

Screenshots of the Project / Photos of Working Model (Min.3):



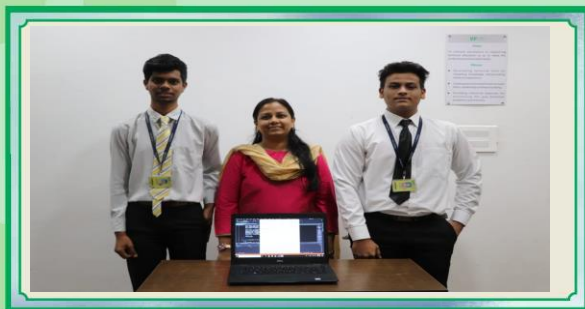
Applications:

- Early Prediction
- On time Prevention
- Report Generation
- Report Delivery

Program : Information Technology

Project Title : Image Data Encryption Using Steganography

Domain (Area of Project): Security



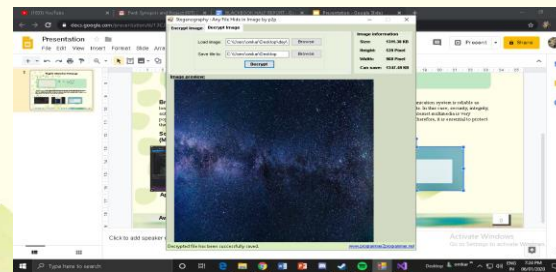
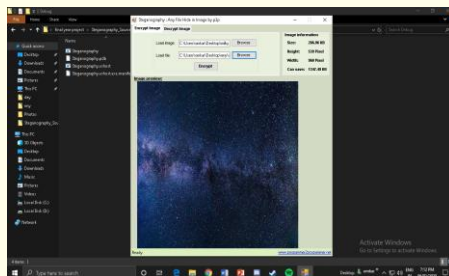
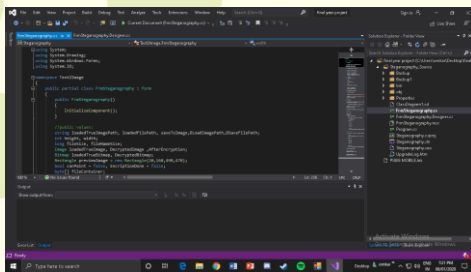
Name of Project Guide : Ms. Shridevi ma'ma

Name of Students : Rushikesh Mohol

Omkar Devalkalkar

Brief idea of Project : The security of data transmission is a vital problem in communication networks. A communication system is reliable as long as it provides high level of security. Usually, users exchange personal sensitive information or important documents. In this case; security, integrity, authenticity and confidentiality of the exchanged data should be provided over the transmission medium. Nowadays, internet multimedia is very popular; a significant amount of data is exchanged every second over a non-secured channel, which may not be safe. Therefore, it is essential to protect the data from attackers. To protect the data; steganography techniques can be used.

Screenshots of the Project / Photos of Working Model :



Applications:

- Confidential data communication and secret data storing, Protection of data alteration and Media database system.
- Confidential data communication and secret data storing, Protection of data alteration, Intelligence Agencies, Smart Identity Cards, Medical, E-Commerce and Media database system.

Program :Information Technology

Project Title : Sql Injection Prevention

Domain (Area of Project) : Security



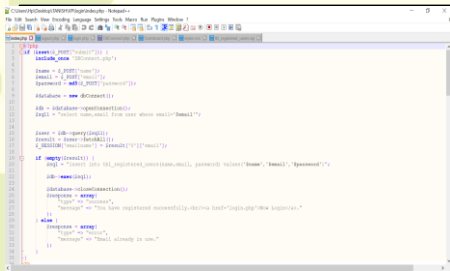
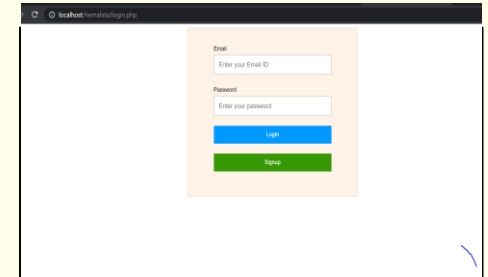
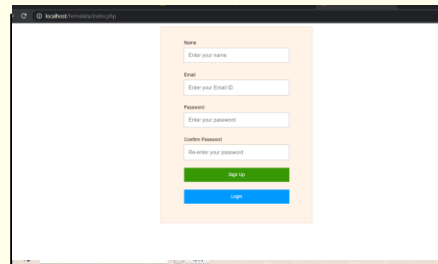
Name of Project Guide : Ms. Samidha Chauhan

Name of Students : Nisha Sonawane

Hemalata Gowda

Brief idea of Project : This project is related to providing a prevention against sql injection attack. Providing a MD5 algorithm and parameterized statement prevention. This project is useful for many companies and colleges . Finally its secure Sensitive data from our server.

Screenshots of the Project / Photos of Working Model :

A screenshot of a code editor window showing PHP code for a login form. The code includes database connection details, user input validation, and a login function that checks the email and password against a database. The code is written in a dark-themed editor with syntax highlighting.

Applications:

- For providing security to information.

Program : Information Technology

Project Title : Automatic License Plate Recognition (ALPR)

Domain (Area of Project) : Machine Learning



Name of Project Guide : Mr. Sunil Dodake

Name of Students : Shubham Katke
Jashraj Patel

Brief idea of Project: The Automatic License Plate Recognition(ALPR) is a recognition system which identifies the license plate of the vehicle and reads the License plate number which will be further pasted in Database. Automatic License Plate Recognition will only allow registered vehicles to enter into the property or area. If the license plate is not registered then a mail will be sent to the authority to either update the database or deny the access.

Screenshots of the Project / Photos of Working Model :



Applications:

- Parking automation and parking security
- Ticketless parking fee management
- Parking access automation
- Car theft prevention

Program :Information Technology

Project Title : Voice-Based Machine Translation Device

Domain (Area of Project) : Machine Learning



Name of Project Guide : Ms. Chetashri Bhusari

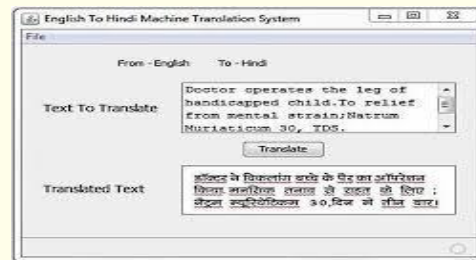
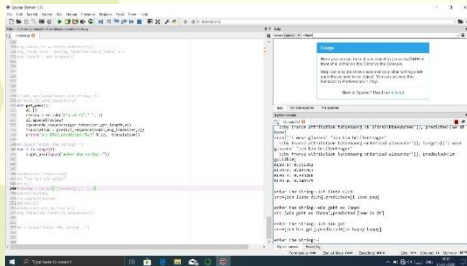
Name of Students : Divyesh Prakash Shelar

Prem Rajput

Allwyn Alex

Brief idea of Project : We used Tensorflow, Theno, Keras library in order to develop the machine translation. It generates quick output in real time because of parallel processes.

Screenshots of the Project / Photos of Working Model :



Applications:

- Tourists
- Enterprise systems
- Business meetings

Program :Information Technology

Project Title : Chat-Bot for Vidyalankar Polytechnic

Domain (Area of Project) : Data Mining



Name of Project Guide : Mr. Servesh Gupta

Name of Students : Zaid Khan

Kajal Kewat

Brief idea of Project : A chatbot is a piece of software that conducts a conversation via textual methods. Such programs are often designed to convincingly simulate how a human would behave as a conversational partner. This System is a web application which provides answer to the query of the student.

Screenshots of the Project / Photos of Working Model :

```
1 >>> from nltk.stem.lancaster import LancasterStemmer
2 stemmer = LancasterStemmer
3 import tensorflow
4 import random
5 import json
6 with open('data.json') as file:
7     data = json.load(file)
8
9 words = []
10 labels = []
11 docs_x = []
12 docs_y = []
13
14 for intents in data['intents']:
15     for pattern in intents['patterns']:
16         words = nltk.word_tokenize(pattern)
17         docs_x.append(words)
18         docs_y.append(intents['tag'])
19
20 if intents['tag'] not in labels:
21     labels.append(intents['tag'])
22
23 words = [stemmer.stem(w.lower()) for w in words if w not in ""]
24 words = sorted(list(set(words)))
25
26 labels = sorted(labels)
27
28 training = []
29 intent = 1
```



```
1 def chat_bot(user):
2     user = user.lower()
3     user = nltk.tokenize.word_tokenize(user)
4     user = [stemmer.stem(w) for w in user if w not in ""]
5     user = sorted(list(set(user)))
6
7     for intent in intents:
8         for pattern in intents['patterns']:
9             words = nltk.tokenize.word_tokenize(pattern)
10            words = [stemmer.stem(w) for w in words if w not in ""]
11            words = sorted(list(set(words)))
12
13            if user == words:
14                return intents['tag']
15
16 return None
17
18 def chat_bot(user):
19     user = user.lower()
20     user = nltk.tokenize.word_tokenize(user)
21     user = [stemmer.stem(w) for w in user if w not in ""]
22     user = sorted(list(set(user)))
23
24     for intent in intents:
25         for pattern in intents['patterns']:
26             words = nltk.tokenize.word_tokenize(pattern)
27             words = [stemmer.stem(w) for w in words if w not in ""]
28             words = sorted(list(set(words)))
29
30             if user == words:
31                 return intents['tag']
32
33 return None
```

Applications:

- User does not have to go personally to college office for the enquiry.
- This application saves time for the student.

Project Committee
Department of Information Technology



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