Vidyalankar Polytechnic

V-Ideas

Program: Computer Engineering

(NBA Accredited)

2020-2021

NATIONAL BOARD of ACCREDITATION

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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 undergraduate 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 Computer Engineering, Information Technology, Electronics and Telecommunication Engineering.**

- **The college has excellent infrastructure for Classrooms, 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 and 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 2021

"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 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.

Program: Computer Engineering

Vision

To empower students with domain knowledge of Computer Engineering and interpersonal skills to cater to the industrial and societal needs.

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.

Program Educational Objectives

PEO 1: To empower the students to apply their knowledge of various domains and cultivate a habit of life-long learning in them.

PEO 2: To develop the students' overall personality and thereby encourage just social behaviour in the students.

PEO 3: To provide an exposure to the industrial environment so as to keep them abreast with new trends.

Program Outcomes

PO1: Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

PO2: Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.

PO3: Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

PO4: Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

Program Outcomes

PO5: Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

PO6: Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

PO7: Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

Program Specific Outcomes

PSO1: Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.

PSO2: Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.

Program: Computer Engineering

Area ID	Project Area	Project ID	Project Title	Page No.
CO1	Internet Of Things	CO1.1	APPTOR	1
		CO1.2	Car Crash Notification System	2
		CO1.3	Face Recongnition System For Unlock The Door	3
		CO1.4	Heartbeat And Body Temperature Measurment System Using I.O.T	4
		CO1.5	HI-TECH INDOOR FARMING USING Iot	5
		CO1.6	Women Safety Application & Sos Device	6
CO2	Artificial Intelligence and Machine Learning	CO2.1	J.A.R.V.I.S AI ASSISTANT	7
		CO2.2	Ask-A-QuesBot	8
		CO2.3	Online Exam Proctoring System	9
		CO2.4	Utility Text Application Using Machine Learning	10

Program: Computer Engineering

Program: Computer Engineering

Area ID	Project Area	Project ID	Project Title	Page No.
CO4	Web Based Application	CO4.4	ComputerTech	27
		CO4.5	Covid-19 Tracker	29
		CO4.6	Online Grocery System	29
		CO4.7	E-Market For Farmer	30
		CO4.8	E-Notes	31
		CO4.9	E-Prescription	32
		CO4.10	FOODIE.	33
		CO4.11	Freelancing Website (WBA)	34
		CO4.12	Maharashtra Police Bharti (Portal)	35
		CO4.13	Music Festival Booking Website	36
		CO4.14	Online Second-hand Book Buying And Selling Portal	37
		CO4.15	Online library system	38
		CO4.16	Pet Adoption Website	39

Program: Computer Engineering

Program :Computer Engineering

Project Title : APPTOR

Domain (Area of Project) : Internet Of Things

Name of Project Guide: Er. Sudhir Lawand

Name of Students : Vaishnavi Shinde

Tousif Kudchi

Gaurangi Raul

Harsh Suthar

Project abstract :
A Mobile based application which will function accordingly with a IOT based Device.
The device will be used to read a persons hearthbeat, pulse rate and other parameters.
This application will be helpful for both the patient and the doctor as the patient can update their information from
Time to time which will be visible to the doctor.

Screenshots of the Project / Photos of Working Model (Min.3):
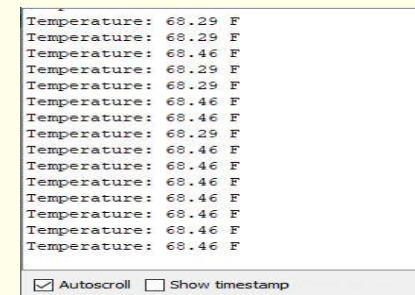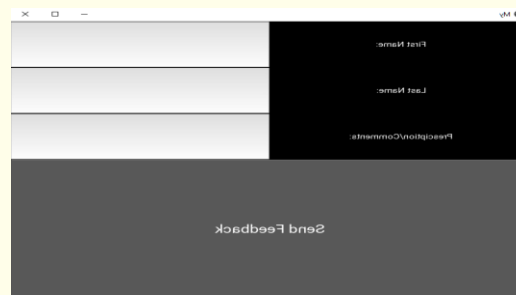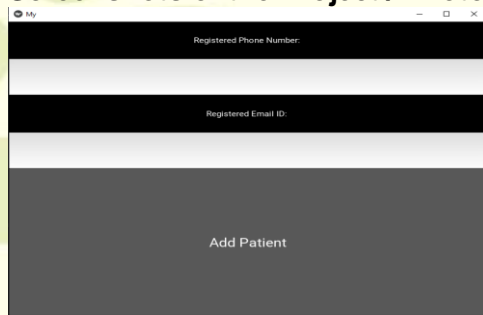
Applications:
1. This will be helpful for people to get checked while sitting at home.
2. Doctors can use this application to update themselves regarding their patients   health
   While being anywhere around the world.

Program :Computer Engineering

Project Title : **Car Crash Notification System**

Domain (Area of Project): Internet Of Things

Name of Project Guide: Er.Sheetal Bhosale

Name of Students : Rishika Tripathi

Shashank Bangera

Aayush Desai

Nirmitee Keluskar

Project Abstract :

Car accidents are scary, stressful and potentially life-threatening. Road accidents are a human tragedy. Most of the deaths occurs because the needed help is not available for the person at the right time. Taking this entire thing in consideration we made software to provide help for those car accidents by informing the some registered numbers about the accident. So that they get immediate help. This project is designed for monitoring accident and when there is a crash, calling for help through the registered numbers , that's why we name it as "Car Crash Notification System."
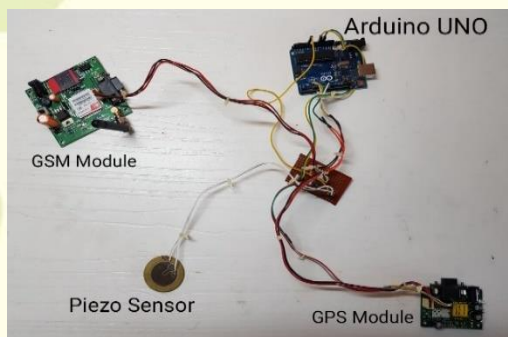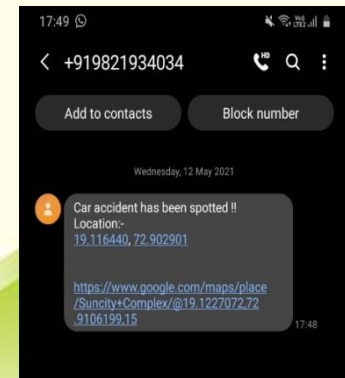
Applications:

* Car Crash Notification System is a significant advancement in the field of vehicle safety and emergency response.
* It opens a new era in the use of automotive and communications technology to help save lives
* and mitigate injuries. It surpasses earlier generations of crash notification systems capable of communicating partial information.

2

Program :Computer Engineering

Project Title : **Face Recongnition System For Unlock The Door**

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

Name of Project Guide: Er.Anjali Gharat

**Name of Students** : Nayan Shinde

Aniket Pal

Saima Shaikh

Aishwarya More

Project Abstract :

In this project ,we have made use of Python Opencv to identify a person is an employee or not based on data stored in database. Based on the output of python script there will be an alert created if entered person is unknown. Door will open if the person is recognized from the data in database.

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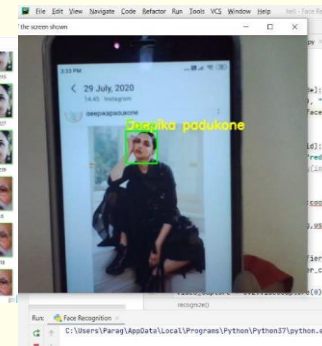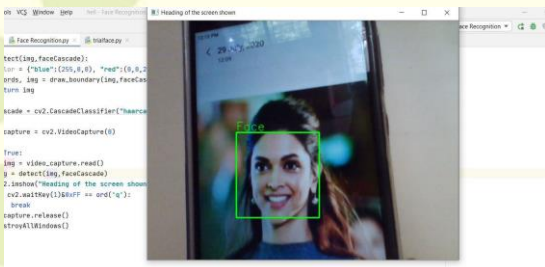
Applications:

Security and defense

Retail and marketing

Hospitality

Healthcare

Program :Computer Engineering

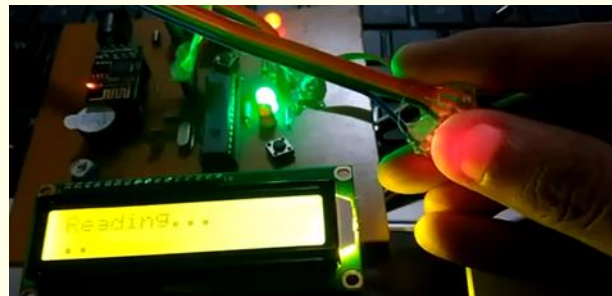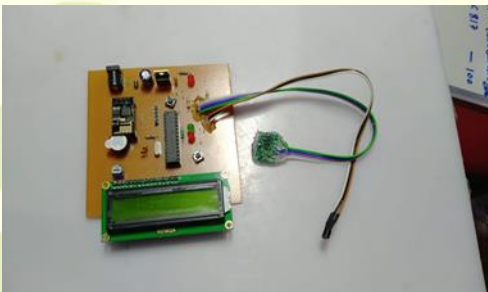**Project Title**   **: Heartbeat And Body Temperature Measurment System Using I.O.T**

Domain (Area of Project) : Internet Of Things

Name of Project Guide: Er.Anjali Gharat

Name of Students   **:** Tanisha Poojari

                      Aditi Shinde

Project Abstract : Our system puts forward a smart that Heartbeat and Body Temperature Measurement system. System uses sensors to track patient health and uses internet to inform their doctors in case of any issues

Screenshots of the Project / Photos of Working Model :
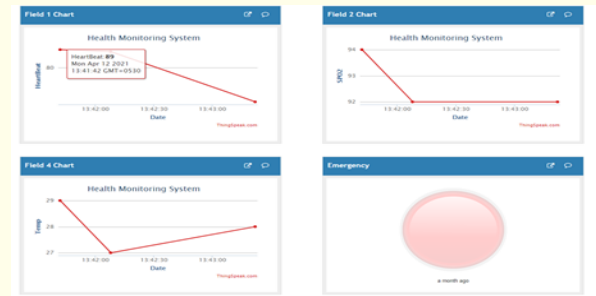
Applications:
1. Hospitals / Dispensaries
2. Better and accurate method of measuring heart beat.
3. At homes
4. A set point can help in determining whether a person is healthy or not checking his/her heart beat and comparing with set point

Program :Computer Engineering

Project Title **: Hi-tech Indoor Farming Using IoT**

Domain (Area of Project): Internet Of Things

Name of Project Guide: Er. Sheetal Bhosale

Name of Students **:** Jayesh Potlabattini

Pratham Sampat

Parth Sawant

Raj Mayekar

Project abstract :

IOT controlled indoor farming system. Designed for places with minimal farming and sunlight. Vertical Farming concept which helps more crops to grow in less area. Used RGB lights to provide light energy to crops. Soil moisture, temperature and RGB color code controlled by Node MCU. Water Pump and fan controlled by Node MCU.

Screenshots of the Project / Photos of Working Model (Min.3):
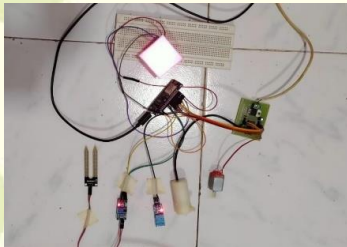
Applications:
Monitor climate conditions.
Precision farming.
Data Analytics.
Smart indoor system.
Large scale vertical system.
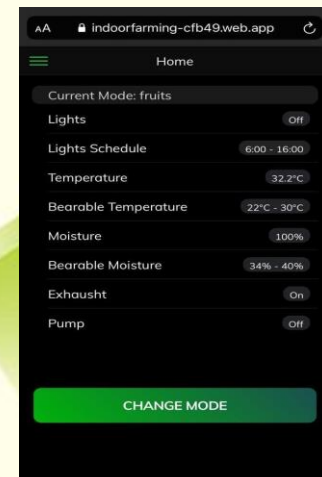
Program :Computer Engineering

Project Title   : **Women Safety Application & SOS Device**

Domain (Area of Project): Internet Of Things

Name of Project Guide: Er. Sheetal Bhosale

**Name of Students   :** Vaibhavi Kadam

Sakshi Raorane

Rishi Jain

Project abstract :
Even in today's world women safety remains to be an issue. To help fight that, we have developed a Women Safety Application using Flutter & Firebase for backend along with an SOS device. The application will help the user to alert police & family when in danger & also provide many other features to smartly fight in such situations .The SOS Device was made using Arduino nano V3.0, GPS Module & GSM Sim. Using this device family & police can be informed.

Screenshots of the Project / Photos of Working Model :
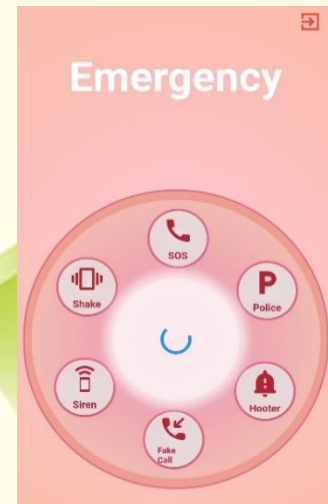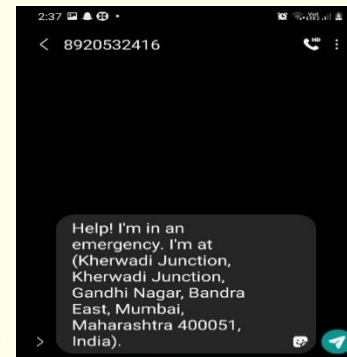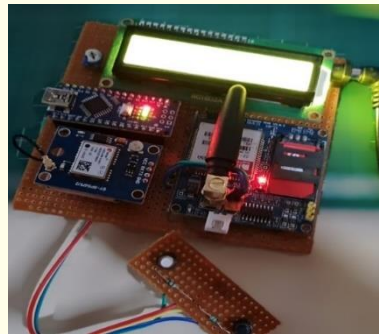
Applications:
1. Child safety
2. Escape any unwanted situation
3.Can be used to grab attention in public using siren

Program :Computer Engineering

Project Title : **J.A.R.V.I.S AI Assistant**

Domain (Area of Project): Artificial Intelligence and Machine Learning

Name of Project Guide: Er. Vijay Patil

Name of Students : Ved Kolamkar

Pranav Gavli

Sahil Patil

Project abstract :
Jarvis: Jarvis is a virtual assistant .It uses voice queries and a natural-language user interface to answer questions, make recommendations, and perform actions. The software adapts to users' individual usages, schedule, and preferences, with continuing use. Returned results are individualized.
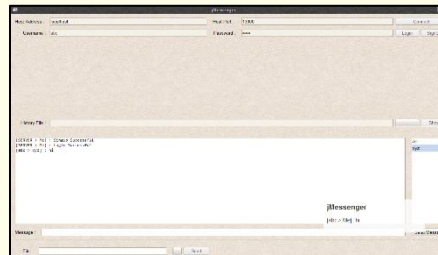
Screenshots of the Project / Photos of Working Model (Min.3):
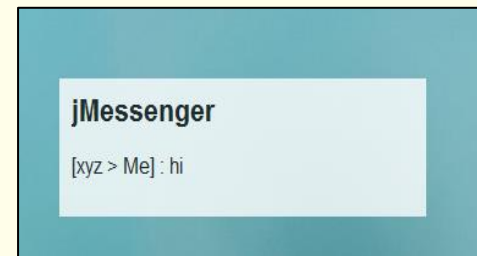
Applications:
* GREETINGS :- As soon as we enable Jarvis, he will greet you before taking any input or performing any tasks .
* WIKIPEDIA SEARCH :- When we ask for an informative output from Jarvis , it automatically opens Wikipedia and gives the output (does not require to open any browser separately).
* LOGOUT,SHUTDOWN,RESTART :- Jarvis will automatically Logout, Shutdown , Restart as per the feed . It doesn't require any physical input.

Program :Computer Engineering

Project Title   **: Ask-A-QuesBot**

Domain (Area of Project): Machine Learning

Name of Project Guide: Er. Sonal Gupta

Name of Students   **:** Dhruti Jain

   Sanyog Jain

                             Monish Borvankar

Project Abstract : Our project is about making a chat bot called "Ask-A-QuesBot" which can answer questions from a given paragraph or piece of text. In the current system, chatbots need to be trained on huge amounts of text which costs a lot of time, money and manpower.

Our solution is to build a chatbot using a pre trained language model and using transfer learning. The chatbot can then read any text supplied by the user and answer any questions on based on that. This will be very useful to people who need to get a specific piece of information from a document which is very large. Our project is hosted at Ask-A-QuesBot.co

Screenshots of the Project / Photos of Working Model (Min.3):
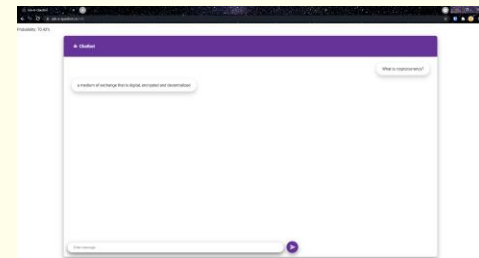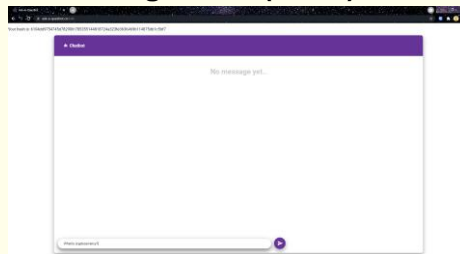
Applications: Knowledge base search, Legal advice assistant, Insurance Assistant, Education Consultant, Legal Assistant, A real estate business, Recruiter, Travel Agency

Program :Computer Engineering

Project Title : **Online Exam Proctoring System**

Domain (Area of Project): Machine Learning

Name of Project Guide: Er. Manisha Pokharkar

Name of Students : Husain Mamuwala

Tanay Jawle

Devashree Kandar

Project abstract :

With the current global pandemic situation of Covid-19, institutions have been temporarily closed and learning and examinations have resorted to an online method. To ensure that unlawful means aren't resorted to while attempting an examination, some kind of system or modules have to be in place to proctor the student for the duration of the exam. This project aims to fulfill this very objective, hence the name **Online Exam Proctoring System**

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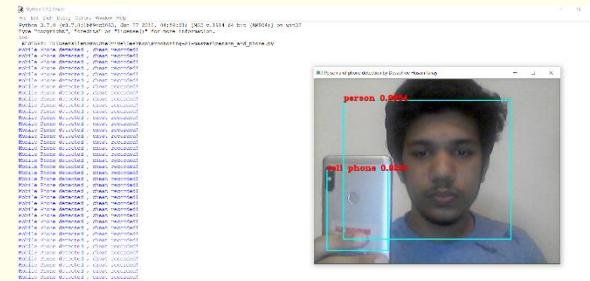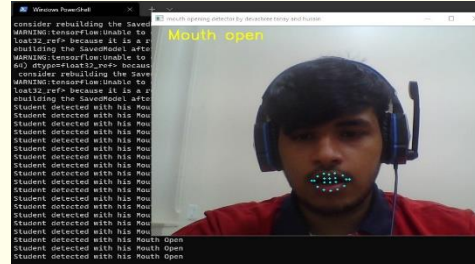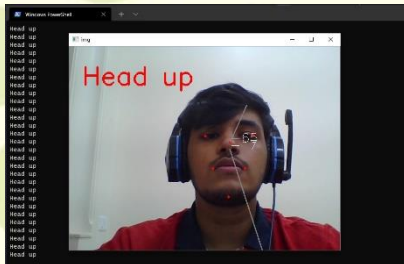
Applications:

- Online Exam Proctoring System provides multiple methods to proctor a student.
- Continuous logging of students actions in real time.
- It can also be utilized during lectures to monitor student behavior.

Program :Computer Engineering

Project Title : Utility Text Application Using Machine Learning

Domain (Area of Project): Mobile Application

Name of Project Guide: Er. Sonal Gupta

**Name of Students** : Atharva Nalawade

Parikshit Acharekar

Bhuvan Shingade

Hardik Pingale

Project abstract :
- User can be able to perform Text Related Features.
- The application is compatible with all types of android devices.
- It Provides Quick response for a particular input.
- Will Provide help to the user for his day to day activities related to text

Screenshots of the Project / Photos of Working Model (Min.3):
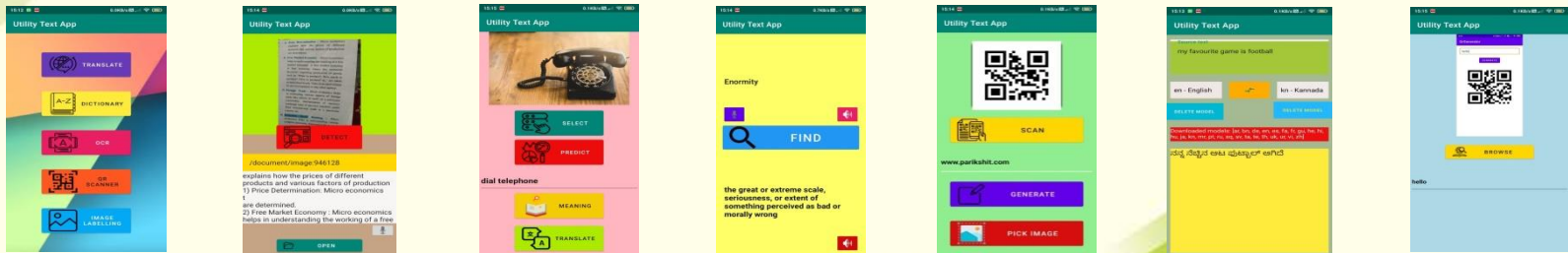
Applications:
- Used by the teachers for getting the pronunciation of text written in various languages.
- Used in schools and colleges for easy use of features.
- Used in offices, for converting the document into text.
- Can be useful for tourists for easy translation of text into one language into another.

Program :Computer Engineering

Project Title   **: Android Music Player**

Domain (Area of Project) : Mobile Application

Name of Project Guide: Er. Supriya Angne

Name of Students   **:** Vinay Kahar

                              Gaurav Mahajan

   Danish Shaikh

                              Divyesh Turbhekar

Project Abstract :

This software is used for android operating system, it can be used easily for music and it's convenient and quick, it uses simple UI and in this software music can be played without paying any money, and you can use it to change the state of the mobile phone, unique menu can give the users perfect experience

Screenshots of the Project / Photos of Working Model (Min.3):
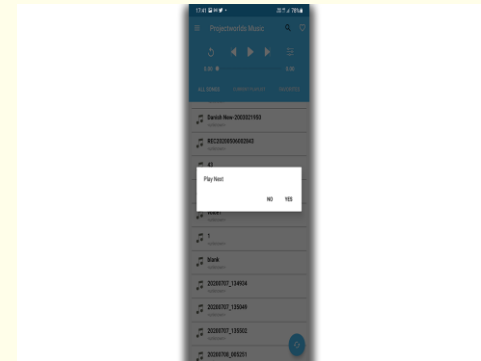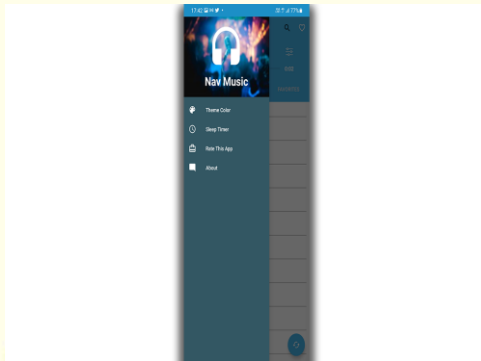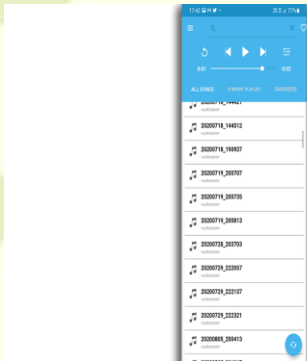
Applications: It can be used in Android Mobile Phones for listening music and in desktops with the help of bluestacks.

Program :Computer Engineering

Project Title   **: Car Service and Reselling App**

Domain (Area of Project): Mobile Application

Name of Project Guide: Er. Prasad Koyande

Name of Students   **:** Vijay Prajapati

                              Om Jadhav

                              Prerana Nawar

                              Hasnain Sayyed

Project abstract :
Our solution is the Mobile application which will be available for the owners as well as the customer of S.P Auto-works. Using this application user can send service request and can be able to receive timely remainder in form of notification regarding services if not done at regular interval from S.P Auto-works. User of an application can also resell his old car using this application.

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

Applications:

- Customer can request for service and will get notified for service as per service plan
- Car reselling facility for the customers of S.P Auto-works.
- Easy facility to manage the requested services by the customers
- Invoice generation functionality for the services.

Program :Computer Engineering

**Project Title**   : Devtube – Video Streaming Platform

Domain (Area of Project): Mobile Application And Web Development

Name of Project Guide: Er. Swati Ranade

Name of Students   : Omkar Geedh

Rushikesh Gajakos

Omkar Naik

Atharva Chougale

Project abstract : DevTube is where you will find videos from conferences collected by developers for developers. The website already includes several videos. Just as Programmers look for news that is going to interest developers and curate it, allowing you to find it by topic, DevTube now do the same for conference videos, providing a Search facility and a set of filters.

Screenshots of the Project / Photos of Working Model (Min.3):
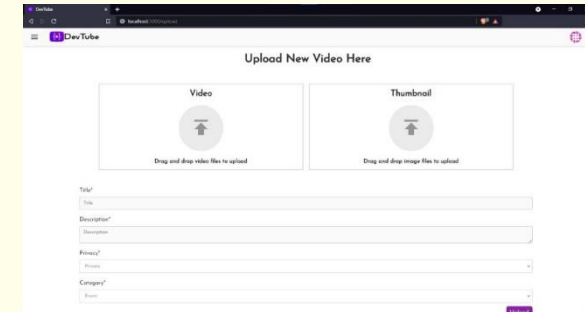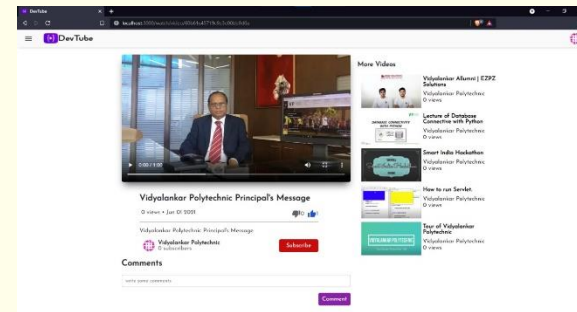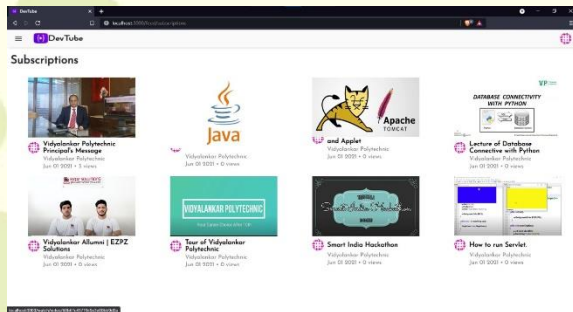
Applications:
• DevTube is to provide video that are recorded by Industrial experts, Teachers, Alumni. This application provides high quality video without ads.

Program :Computer Engineering

Project Title : Digital Entry

Domain (Area of Project): Mobile Application

Name of Project Guide: Er. Vijay Patil

Name of Students : Yash shere

Mirthunjai Yadav

Jayprakash sharma

Nasim shaikh

Shoeb khan

Project abstract :
To create a system for maintaining the records of visitor. The existing system faces few disadvantages such as, Visitor(s) can't check the availability of the of visitor from visitor's location. Manually booking an visitor will be complex work to admin. Blocking a troublesome visitor(s) is not possible in the system.

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

Applications:
- The application can be used in schools and colleges.
- It can be used in offices and commercial buildings.
- It can be used in any problem statement with requirement of digitalizing entries.

Program :Computer Engineering

**Project Title** : **Online Plant Booking System**

Domain (Area of Project): Mobile Application

Name of Project Guide: Er. Siddhesh Vaidya

Name of Students **:** Tejal Gaikwad

Rushali Kamble

Sandip Dolai

Project abstract: "Online Plant Booking System" can be useful to overcome a lot of challenges coming in the farming and nursery field. Physically every operation is not possible to perform smoothly. Therefore, it is need of today to implement technology in this field.

Screenshots of the Project / Photos of Working Model (Min.3):
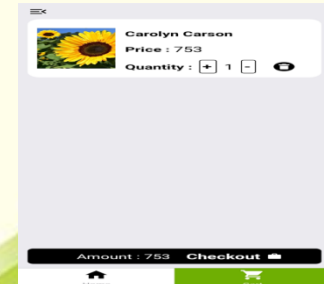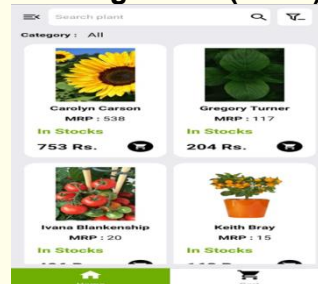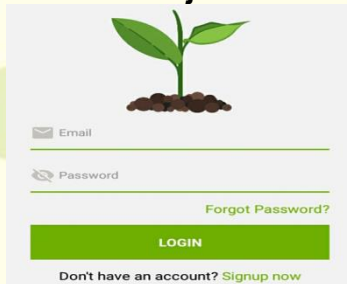
Applications:
O User-Friendly Interfaces
O Real-time Booking
O Customer Support
O Secure Payments

Program :Computer Engineering

Project Title : **Waste Management Application**

Domain (Area of Project): Mobile Application

Name of Project Guide : Er. Poonam Pawar

**Name of Students** : Kunal More

Vrushabh Gawde

Angaddeepsingh Gupta

Athurva Sawant

Project abstract : Contact us for the heap of garbage that gets ignored by government bodies. This is where our application comes in action. The user can upload a picture, provide us the location. After completion user would be notified back.

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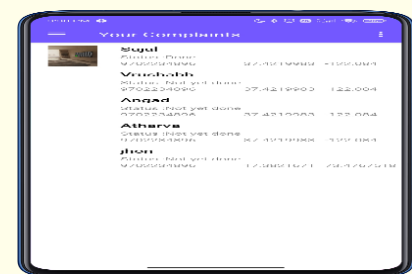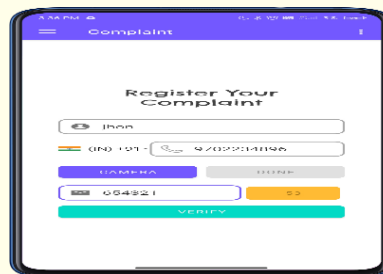
Applications:

- School
- Office
- College
- Factories

Program :Computer Engineering

Project Title : **Ease My Transport Logistics App**

Domain (Area of Project): Mobile Application

**Name of Project Guide:** Er. Swati Ranade

Name of Students : Aayush Karnik

Prachi Patil

Shreyas Waghmare

Project abstract : It is a mobile application for packers and movers and for shipping industry. Due to covid-19 outbreak every sector has got affected and every growing industry is a bit behind from it's developing phase. This application can help the small-scale transport business and the large-scale shipping industry for ease in transport management. People can use this application for shifting or rental purpose. This app will provide a business opportunity to the small-scale business to provide their services directly to the customers.

Photos of Working Model :
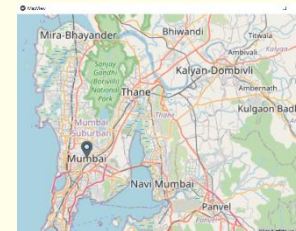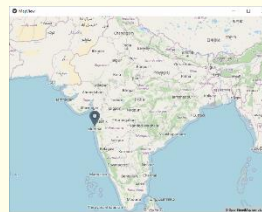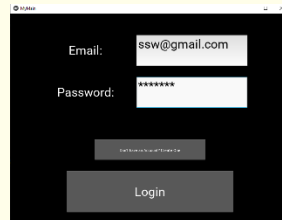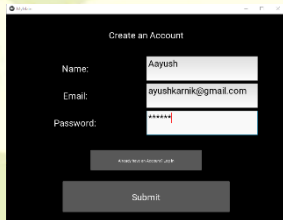
Applications:

- This application can help the small-scale transport business and large- scale shipping industry for ease in transport management.
- People can use this application for shifting or rental purpose.
- This app will provide a business opportunity to the small-scale business to provide their services to the customers.
- The user can also track the shipment and vehicle using application

Program :Computer Engineering

Project Title   **: Food Recipe app**

Domain (Area of Project): Mobile Application

Name of Project Guide: Er. Sudhir Lawand

Name of Students   **:** Hardik Ambolkar

   Sejal Ghag

                   Kaliraj Konar

                   Shiva Thangaraj

Project abstract : Our project will help-out for Blogging for sharing new upcoming ideas and recipes by people everywhere . Receives recipes for cooking with the ingredients in your kitchen. It will save your cooking time . Those who are interested in cooking its best application for them.

Screenshots of the Project / Photos of Working Model (Min.3):
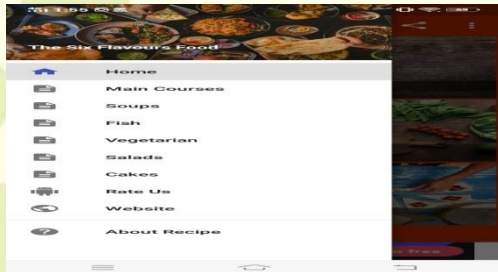
Applications:
1. It has four major functionality in this application.
2. User can browse all there favorite recipes , and can also display their recipes on this platform.

Program :Computer Engineering

Project Title : **Grievance Redressal System**

Domain (Area of Project): Mobile Application

Name of Project Guide: Er.Poonam Pandire

Name of Students : Rohan Kadam

Shreyas Panzade

Falguni Parmar

Rahil Momin

Project abstract :
- A grievance is a discontent or dispute which could arise at any level in any organization.
- f the organization is an academic institution, then this issue becomes more sensitive and important. Students are the most vulnerable entities at educational institutions often fail to express and sometimes fail to seek proper support for the issues they face arising at numerous levels.
- Thus, on analysing the prevailing state of redressed mechanisms of grievances at some of the prestigious colleges, it came as a revelation that none of them had a completely formulated grievance redressal mechanism to address the arising conflicts in the lives of the students.
- In wake of the above mentioned problem as an implication, a prototype of grievance redressal must be work out which could comply well with the solution provision for the arising conflicts for students. In this project, we focus on the development and the execution of the grievance redressal for students.

Screenshots of the Project / Photos of Working Model (Min.3):
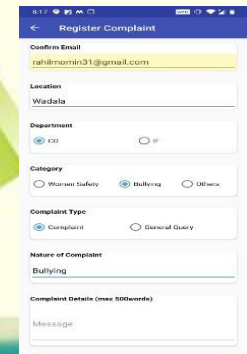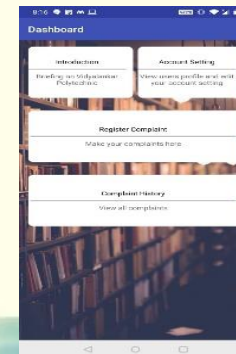
Applications: Android Studio, SQL lite

19

Program :Computer Engineering

Project Title : Internship for VP

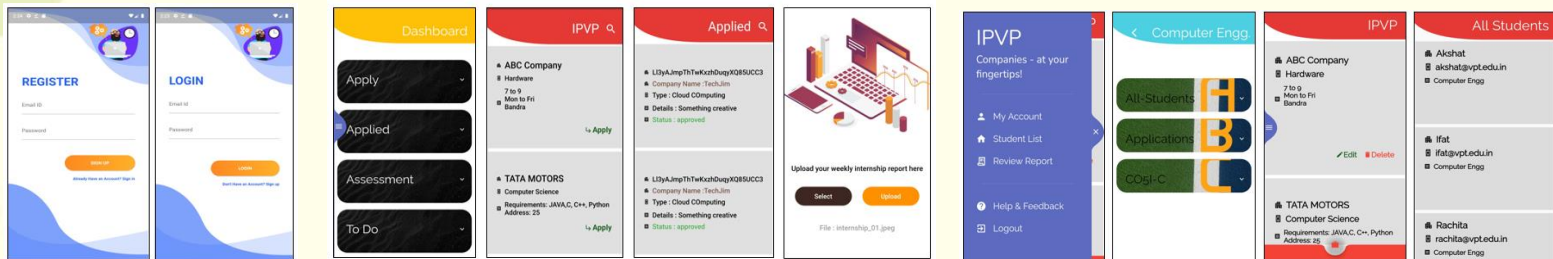**Domain (Area of Project): Mobile Application**

Name of Project Guide: Er. Sonal Gupta

Name of Students : Ifat Jagirdar

Rachita Samant

Akshat Ovalekar

Project abstract :
- To automate the current manual system.
- Teachers can give information about internship and assess reports
- Students can apply for internship and submit reports
- Resume feature for students

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

Applications:
- College internship portal serves the primary interface for the students to apply for internship.
- VP internship portal helps you in building a profile and highlighting your successes and skills.
- Tracks student's status and displays complete information
- Apply for internships with your resume in just few tabs.

Program :Computer Engineering

Project Title : Intruder Alert

Domain (Area of Project): Mobile Application

Name of Project Guide: Er. Sonal Gupta
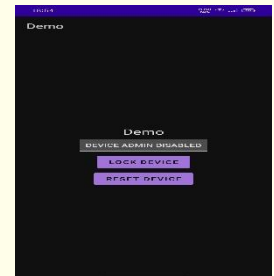
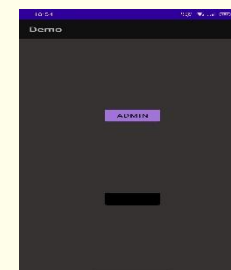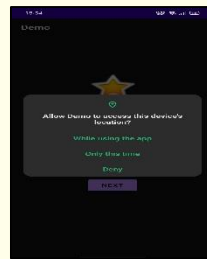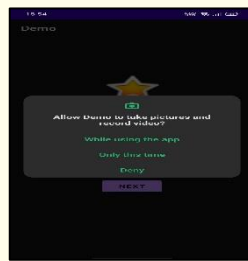**Name of Students** : Prathamesh Rai

Amaan Khan

Faizan Khan

Abdur Rahman Khan

Project abstract :
Security App: Intruder Alert is a security app. It can protect your phone from outside intruders who wants to get the information of your data.

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

Applications:
• Used for phone security.
• This application usually runs in the background. It consists of Android Client application which automatically sends SMS to alternate number and images of the thief to mail.

Program :Computer Engineering

Project Title : **Property Management App**

Domain (Area of Project): Mobile Application

**Name of Project Guide:** Er. Sayali Kadam

Name of Students : Swaraj shinde

Harsh dubey

Om saket

Project abstract : This is an android application which gives list of Properties for buying, selling and renting. In this app, you can view property with all details like the area of the property, price, facilities, etc. User can add own property for buy, sell and rent. Filter option is provided to get the results as per needs.

Screenshots of the Project / Photos of Working Model (Min.3):
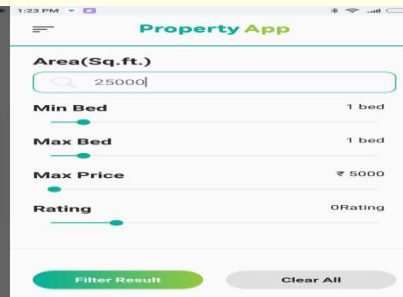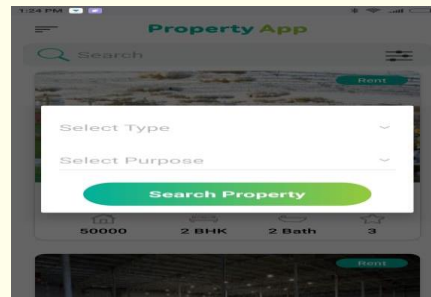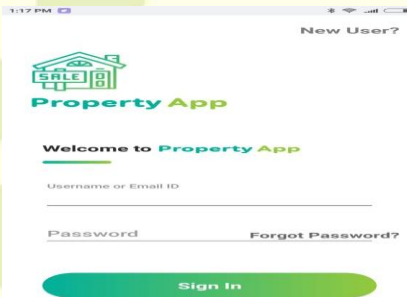
Applications: 1) This app is used to buy the property**.**
2) This app is used to rent the property.
3) This app is used to sell the property.

Program :Computer Engineering

**Project Title** : **YouPlayEd – Music Instrument Trainer**

Domain (Area of Project): Web Based Application and Mobile Application

Name of Project Guide: Er. Swati Ranade

Name of Students : Tarun Alle

Amogh Sadvelkar

Ishaan Dhole

Project abstract : YouPlayEd is Music Instrument Trainer Application which helps user to get in a music learning environment. It helps a user to learn instruments like Keyboard, Guitar & Drum-Kit from scratch without having any prior knowledge about them. YouPlayEd also gives user an experience about how an instrument works and give them tips and tricks about the instrument.

Screenshots of the Project:
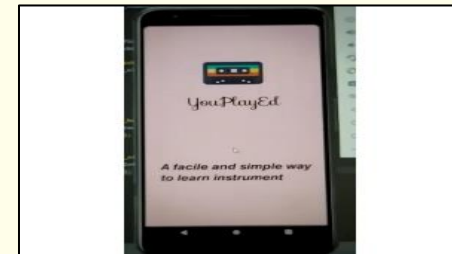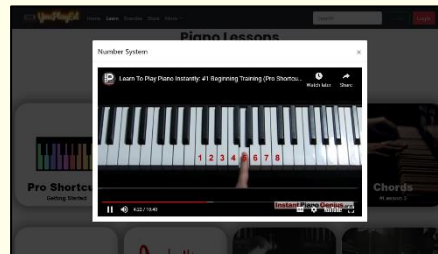
Applications: It is scientifically proven that learning music can improve your brain's capacity to remember things and as a result increases your memory. Music involves your thinking, senses, ears, and eyes all at the same time, it is one of the best brain exercises. It also helps in increasing concentration and focus.

Program : Computer Engineering

Project Title : Web Application of Blood Bank on SANJEEVANI.

Domain (Area of Project): Web Based Application

Name of Project Guide: Er.Sangeeta Wankhede

Name of Students : Shubham Nakte.

Yash Kapadi.

Aditya More.

Vishal Gupta.

Project abstract : Sanjeevani is an voluntary and non-governmental organization. It maintains Online library of blood donors in India. Sometimes Doctors and Blood bank project have to face the difficulty in finding the blood group Donors at right time. Sanjeevani has attempted to provide the answer by taking upon itself the task of collecting Blood bank project nationwide for the cause and care of people in need

Screenshots of the Project / Photos of Working Model (Min.3):
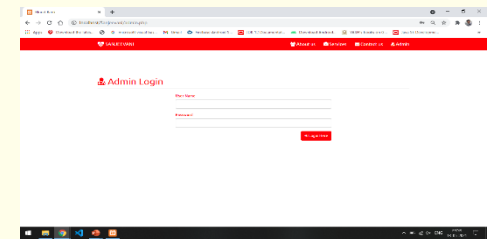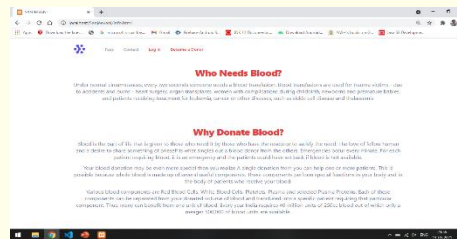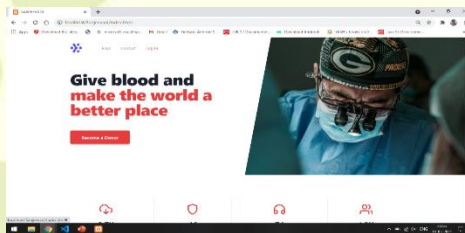
Applications:
1. Blood donation management.
2. Blood and blood component storage and distribution.

Program : Computer Engineering

Project Title : Book My Doc

Domain (Area of Project): Web Based Application

Name of Project Guide: Er. Swati Ranade

Name of Students : Akshay Chandarkar

Shivam Pol

Saurabh Mahadik

Project abstract : Due to covid-19 situation, going out for doctor appointment is a risk factor for patients and taking appointment for hospitals by using paper pen is a risk factor. By using Book My Doc patients can conveniently book appointment, a website will be used to book appointment and patients can connect with doctors online. It will present a technology demonstrator to verify a proposed framework required to support such a book an appointment.

Screenshots of the Project / Photos of Working Model (Min.3):
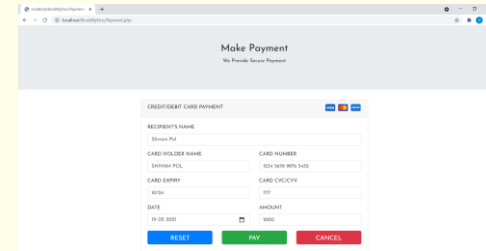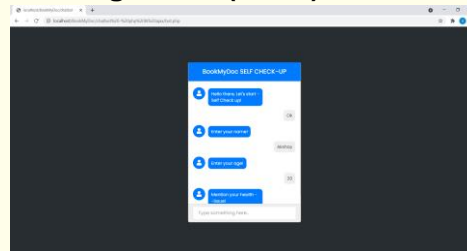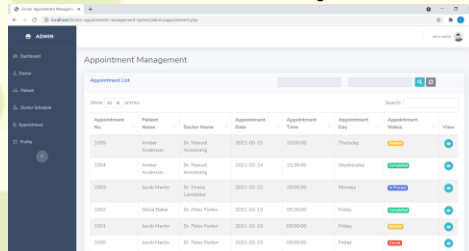
Applications: : The main application of Book My Doc is to book appointment of patients for their consulting doctor. It will also give doctors prescription. Survey - Patients can give survey based on it medicines will be suggested by doctors.

Program :Computer Engineering

Project Title : Capacity Building for the Emergency Response System

Domain (Area of Project): Web Based Application

Name of Project Guide : Er. Prasad Koyande

Name of Students **:** Mohit Vijay Kulkarni

Yash Pravin Hadade

Abhishek Nilin Joshi

Avaneesh Sham Gaikwad

Project abstract :

Capacity Building for the Emergency Response System is a website which will help the Radhee Foundation to get in more number of Pledge Donors. The main goal of this website is to have more number of people pledging for Donation. After a user enters the respective details on provided facility he will get he will be getting a Radhee Organ Donor Pledge Card and he will also get Certificate for taking the Pledge**.**

Screenshots of the Project / Photos of Working Model (Min.3):
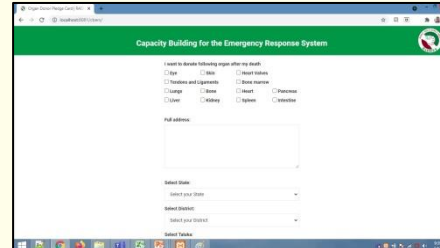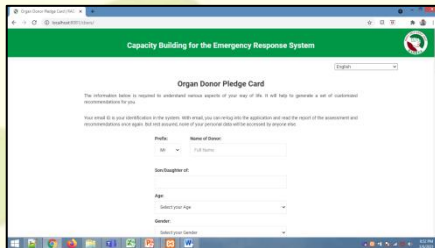
Applications:
- Solves problem of medical donations required at times of emergency.
- Used to get information of donors for specific organ on a finger tips
- Encourages organ donor making them pledge for donation by giving them pledge card.

Program :Computer Engineering

Project Title : ComputerTech

Domain (Area of Project): Web based Application

**Name of Project Guide :** Er. Meenakshi Khamkar

Name of Students : Suryakant Singh

Aniket Jadhav

Anish Chikhalkar

Project abstract : This project provides an easy access to admin and seller to view orders placed using Pay options. This project allows viewing various products available and purchase desired products also can place order and compared to another product.

Screenshots of the Project / Photos of Working Model (Min.3):
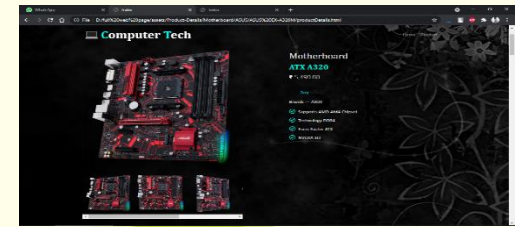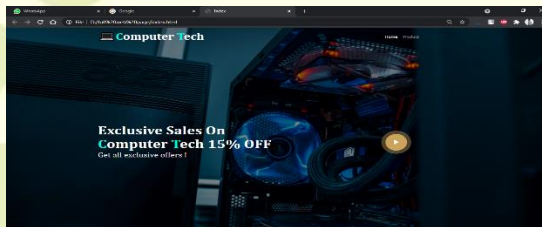
Applications: Online shopping
Online marketing and purchasing

Program :Computer Engineering

Project Title   **: Covid-19 Tracker**

Domain (Area of Project): Web Based Application

Name of Project Guide: Er. Swati Ranade

Name of Students   **:** Harsh Chheda

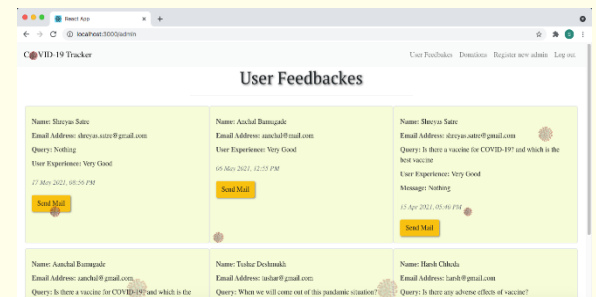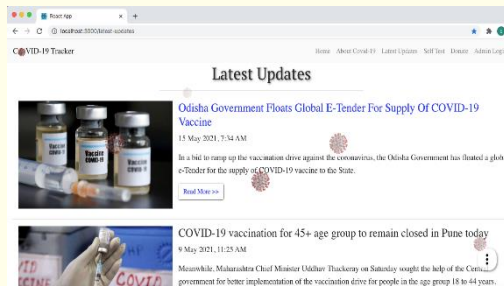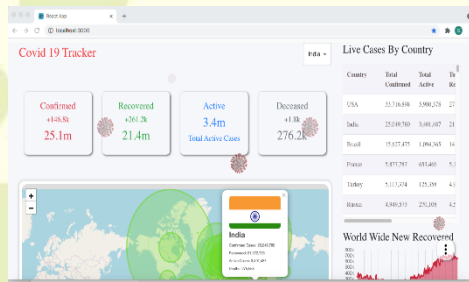   Shreyas Satre

                       Aanchal Bamubugade

                       Tushar Deshmukh

Project abstract : COVID-19 tracker is to provide Statistics/graph for active, recovered, death and confirm cases with information about covid-19 like preventions, symptoms and latest updates will show on the website. It also has quiz to check the mental and physical health as well as the precautions to check whether the user is following the correct precautions or not**.**

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

Applications:

- COVID-19 tracker is to provide Statistics/graph for active, recovered, death and confirm cases with information about covid-19 like preventions, symptoms and latest updates will show on the website

Program :Computer Engineering

Project Title : **Online Grocery System**

Domain (Area of Project): Web Based Application

Name of Project Guide: Er. Sneha Patange

Name of Students : Anirudha Ghadi

Vedant Dinde

Aditya Karanjekar

Anant Bhosale

Project abstract : Online grocery system is a form of e-commerce that allows consumers to directly buy fresh vegetables and fruits.An online grocery shop evokes the physical analogy of buying produce like it is done in a local market.So our idea is to give a online platform for the local shops.

Screenshots of the Project / Photos of Working Model (Min.3):
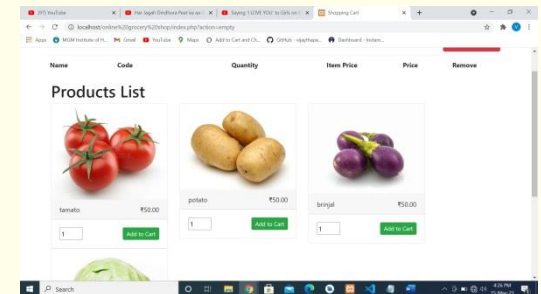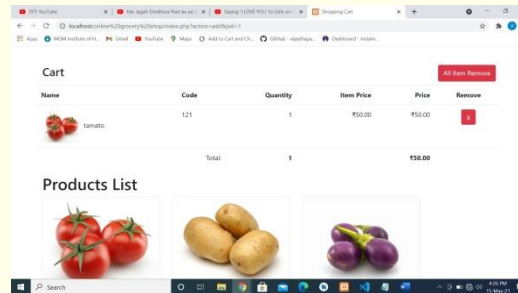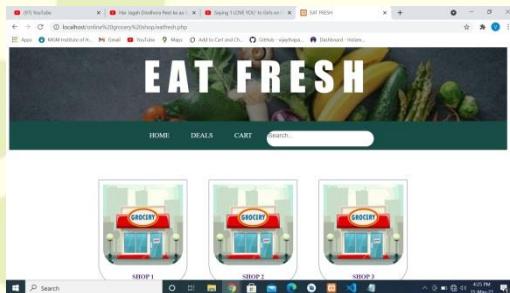
Applications: Provide Online platform to local grocery shop. Easy to buy vegetables and fruits from multiple shops through online portal. This website shows local stores of various categories accepting orders and delivering around you.

Program :Computer Engineering

Project Title : E-market For Farmer

Domain (Area of Project): Web Based Application

Name of Project Guide: Er. Sayali Kadam

Name of Students : Vipul Belhekar

Vivek Jha

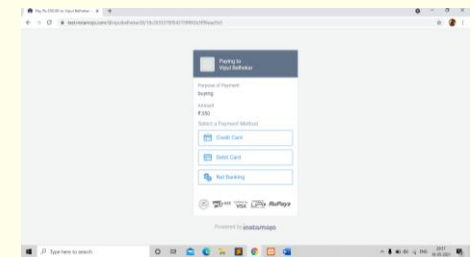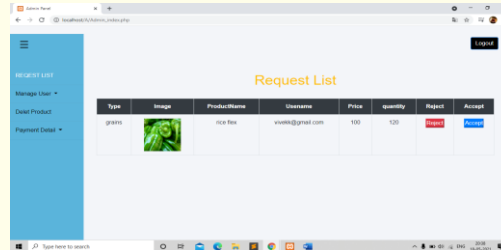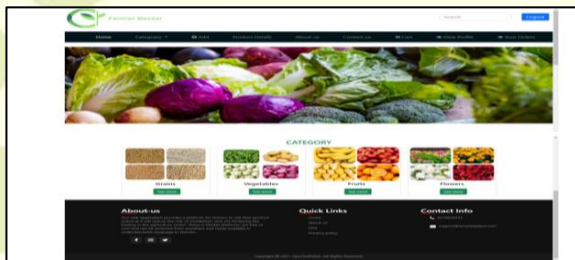Pratik Shelar

Project abstract :

We have designed a web-application for Farmer which is a platform for farmer to sell their product online without any agent or middleman . This service boosts business communication & bring transparency in the system

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

Applications:
* Used to sell farmer's crops
* Used to buy farmer's crops

Program :Computer Engineering

Project Title : E-Notes

Domain (Area of Project): Web Based Application

Name of Project Guide: Er. Meenakshi Khamkar

Name of Students : Manya Devalapura

Simran Tatkare

Manjeet Kumar Singh

Project abstract :
- Now- a- days everything is online so we thought of creating a web-site for studies to access notes from anywhere .
- Earlier, V-refer was used to access the notes but it had one drawback of accessing it only on college server and not from home.

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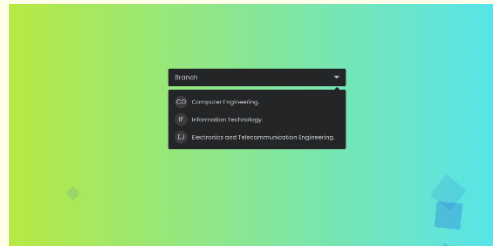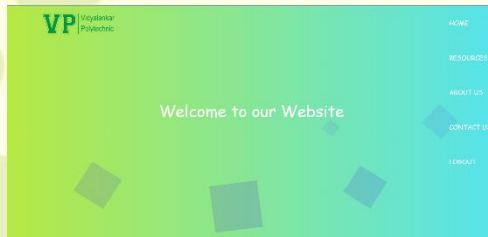
Applications:

1. Schools

2. Colleges

Program :Computer Engineering

Project Title   **: E-Prescription**

Domain (Area of Project): Web Based Application

Name of Project Guide: Er. Sudhir Lawand

**Name of Students   :** Prachi Chavan

                             Gauri Korgaonkar

                             Atharva Lokhande

Project abstract : E-prescription software is one of the easiest method to have prescription transferred to multiple patients and also reduce time, increase speed and reduce manual paper work. It needs less manpower for conducting and organizing the prescribed medicines quickly and with safety measures. Doctors, physicians, patients can easily check the previous medications prescribed. This project will help the patient/user to have a better understanding of the prescription.

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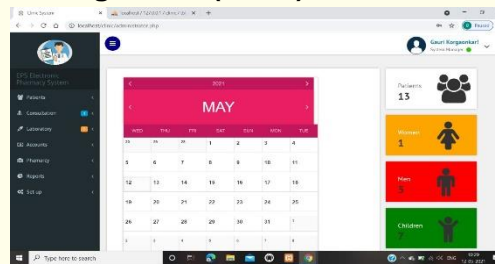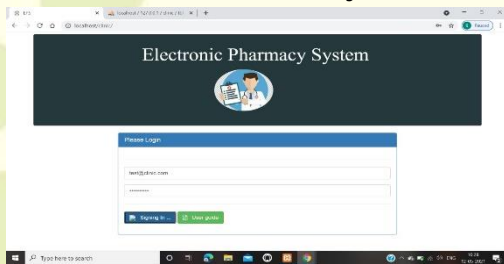
Applications:

1.Reduce prescribing and dispensing errors.

2. Decrease the work needed to execute a prescription.

Program :Computer Engineering

Project Title : FOODIE.

Domain (Area of Project): Web Based Application

Name of Project Guide: Er. Meenakshi Khamkar.

Name of Students **:** Harshana Gawand

Rohit Nare

Vishwajeet Gavit

Saurabh More

Project abstract :
The purpose of this project is to develop an Online Restaurant System. It is a system that enables customer of food restaurant to get the best restaurant. The reason to develop the system is due to the issues facing by the food restaurant industry

Screenshots of the Project / Photos of Working Model (Min.3):
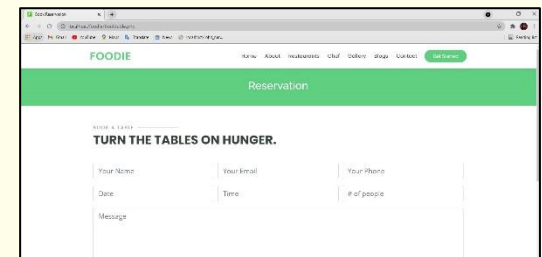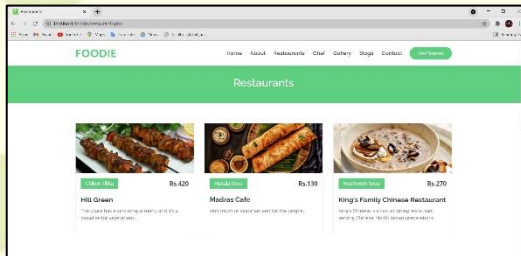
Applications:
*   Online restaurant selection
*   Book a reservation according to your convenience.

Program :Computer Engineering

Project Title   **: Freelancing Website**

Domain (Area of Project): Web Based Application

Name of Project Guide: Er. Poonam Pawar

Name of Students   **:** Rahul Pote

                   Yash Yeram

                   Saurav Kumbhar

                   Bhushan Salve

Project abstract :
Freelancing is doing a job under contract rather than full employment. Freelancing offers the lot of freedom and flexibility which regular jobs cannot. The freelancer can choose the type of the work, how long they work, and volume of work take on. The freelancer can control work relationship and control workload. Platform freelancing has many websites and anyone can register as freelancers or job posters.

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

Applications:

- fiverr, simply hired
- Upwork , toptal

Program :Computer Engineering

Project Title : **Maharashtra Police Bharti (Portal)**

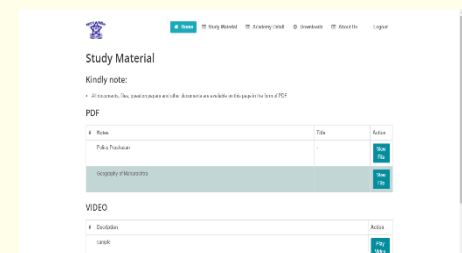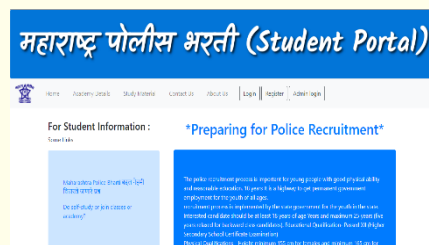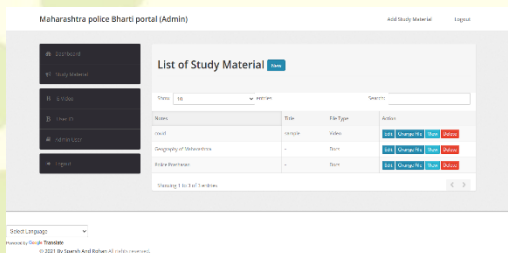**Domain (Area of Project): Web Based Application**

Name of Project Guide: Er. Sudhir Lawand

Name of Students : Rohan Shelar

Sparsh Teli

Project abstract : We are making our Maharashtra police Bharti student portal by making the web application with all the facilities and features that are required for students. And it will reduce the cumbersome workload from the students. There will be no need for students to rush from here to there for information and study material. Student can check the website anytime from his/her home or anywhere. In short this Maharashtra police Bharti student portal is going to help the student.

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

Applications:
1. This Application is for those students who are preparing for Maharashtra Police Bharti theory exams.
2. Users who will use this application , he/she will get all the information about Government of Maharashtra Police Bharti exam.

Program :Computer Engineering

Project Title   **: Music Festival Booking Website**

Domain (Area of Project): Web Based Application

Name of Project Guide: Er.Supriya Angne

Name of Students   **:** Mayuresh Kalkar

                   Vinit Palekar

   Sushant Teli

                   Kishan Singh

Project abstract :

The project objective is to book Music Shows tickets/Passes in online. The Ticket Reservation System is an Internet based application that can be accessed throughout the Net and can be accessed by anyone who has a net connection. This Website will reserve the tickets. This online ticket reservation system provides a website for a cinema hall where any user of internet can access it. User is required to login to the system and needs a credit card for booking the tickets.. But all this excitement vanishes after standing in hours in long queues to get tickets booked.

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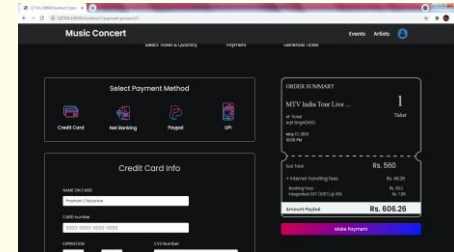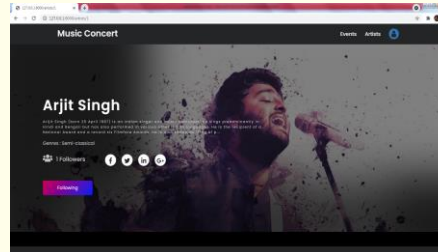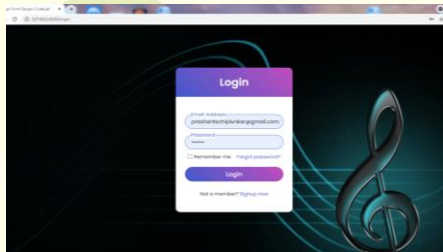
Applications:

•   It can be used to watch live concerts by sitting at home.

•   It can be used to watch different music events.

Program :Computer Engineering

Project Title   **: Online Second-hand Book Buying And Selling Portal**

Domain (Area of Project): Web Based Application

Name of Project Guide   **:** Er. Sayali Kadam

Name of Students   **:** Akshata Bandagale

                 Prachi Kadam

                 Shraddha Balsaraf

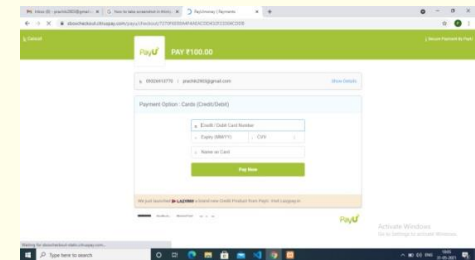   Siddhi Ghanekar

Project abstract : Online Second-hand book buying and selling portal is the place for everyone to sell or buy product (books) online. It's a website for all but its more useful for students who can easily buy and sell the new as well as old book.

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

Applications:
- Colleges
- Schools
- Public libraries

Program :Computer Engineering

Project Title : **Online library system**

Domain (Area of Project): Web Based Application

Name of Project Guide : Er. Sneha Patange
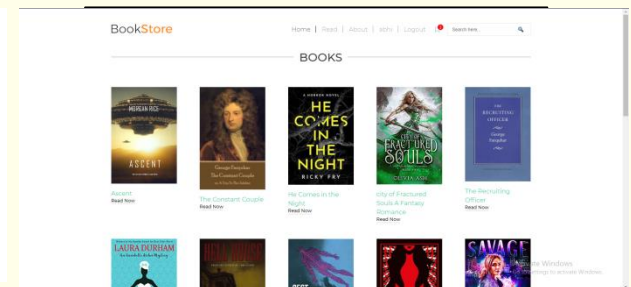
Name of Students : Abhishek Nagri

Athsa Nadar

Parag Sakhare

Shafaque Baig

Project abstract : Our project mainly focus on reader who can't afford books to read. We can provide them free book's in PDF format through our website. They can't download book's pdf ,they only read them.

Screenshots of the Project / Photos of Working Model (Min.3):
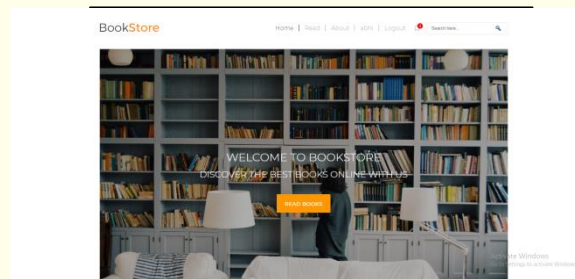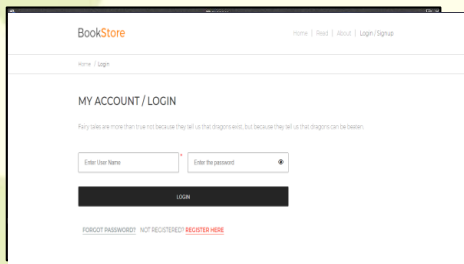
Applications:
- To provide online platform to local libraries
- To make new e-books available publicly
- Read anywhere anytime

Program :Computer Engineering

Project Title : Pet Adoption Website

Domain (Area of Project): Web Based Application

Name of Project Guide : Er. Sayali Kadam

Name of Students : Vaishnavi Nagaonkar

Vidhi Kodarlikar

Tejas Mhatre

Project abstract :
This portal provides most convenient way to adopts pets. It provides guaranteed information of the pets as well as the users. One can provide a better home to the pet. One can save the life of homeless animals by contacting the emergency helpline numbers.

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

Applications : 1. Privacy of the adopter is maintained
2. Photos can be uploaded.
3.Availability of variety of Breeds.
4.Time set up for delivery and pickup.

Program :Computer Engineering

Project Title :**System for Renting Variety of Products Online**

Domain (Area of Project): Web Based Application

Name of Project Guide : Er.Sneha Patange
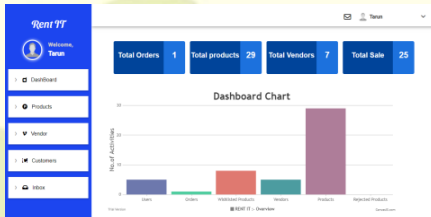
Name of Students : Amaan Nasib

Anuj Mhatre

Ronak Lala

Salim Mansuri

Project abstract : This system mainly provides users to search and rent products according to their convenience and they will have all the details provided by vendor. Various Payment methods will be available so that user can pay according to their convenience. Users data will be encrypted and will have a safe environment around the system.
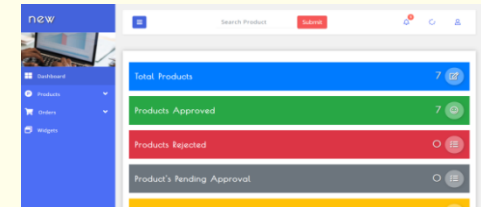
Screenshots of the Project / Photos of Working Model (Min.3):
Admin Section **User Section** **Vendor Section**

Applications:

• For tours, vehicles can be rented or flats can be rented of that particular tourist place

• For occasions, if any customer requires camera or cars so he can rent it

Program :Computer Engineering

Project Title : **Small Business**

Domain (Area of Project): Web Based Application

**Name of Project Guide** : Er.Manisha Pokharkar

Name of Students : Ayush Jaishwal

Rohit Deshawal

Vinit Uparkar

Project abstract : An online shopping system that permits a customer to submit online orders for items and services from a store that serves online customers. The customer can see all the products and different types of products and then they can order the product they want. Customer can purchase in their home or somewhere else from their location. One can create their account for free on this app and their access to reach the customer online by providing goods and services to them.

Screenshots of the Project / Photos of Working Model (Min.3):
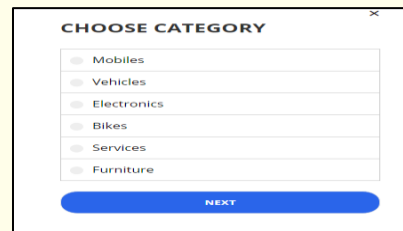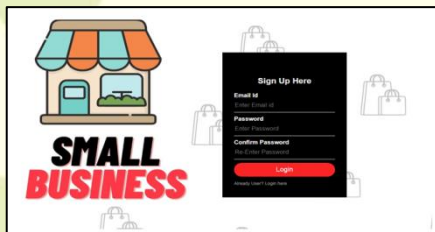
Applications:
- Online conversation with shop owner.
- Detailed product description.
- Effective for entrepreneurs.

Program :Computer Engineering

Project Title : **Smart Canteen Management System.**

Domain (Area of Project): Web Based Application

Name of Project Guide **:** Er.Sneha Patange.

**Name of Students** **:** Adil Shaikh.

Saikrishna Maharana.

Saud Sayed.

Shahnawaz Samani.

Brief idea of Project : T
he website is nicely designed for the students to view the items from the canteen and to order the food with minimum clicks including the payment. Using this web application features the Canteen will be able to manage their operations efficiently.

Screenshots of the Project / Photos of Working Model (Min.3):
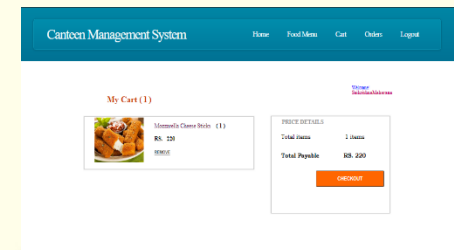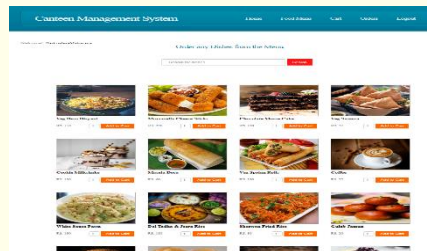
Applications: Educational institutes.
Government offices.
Hospitals.
Hotels.

Program :Computer Engineering

Project Title : **Social Touch Web Application**

Domain (Area of Project): Web Based Application

Name of Project Guide **:** Er. Manisha Pokharkar.

Name of Students **:** Sanjana Sagvekar

Shubhangi Narayankar

Mukta Gundale

Ganesh Chavan

Project abstract : Currently there is no such app, website where people can search for a type of social work event and register for one. Users can't search social work events with filters such as user provided time and date. Since there is no common platform, people are distributed or maybe unaware of any social work groups. This leads to communication gap between volunteers and organisers. Hence, we are building this web application.

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

Applications: Creates the online events

Creates a competitive environment between users.

Anyone can create a social event with few clicks and user-friendly interface of   Web Application.

Organiser and users Connectivity.

Program :Computer Engineering

Project Title   **: Trading System**

Domain (Area of Project): Web based application

> **Name of Project Guide   :** Er.Supriya Angne
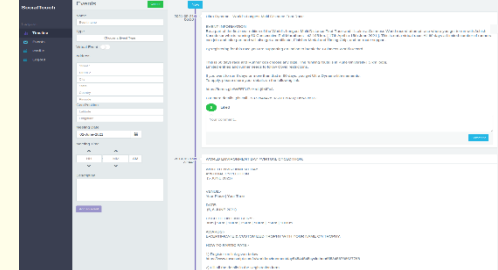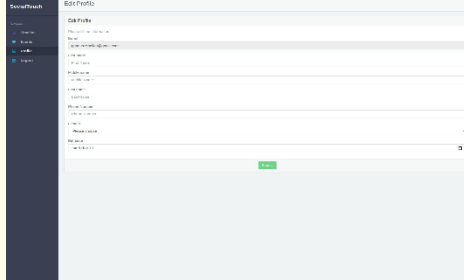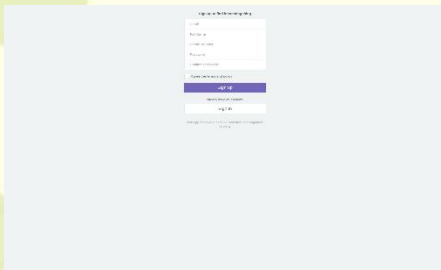>
> **Name of Students   :** Kaushik Jain
>
>   Atish Choubisa
>
>   Maithili Mayekar

Project abstract : Trading system is a demo application based on stocks. Where user can invest in stocks using fake money. Here user can search stock using ticker which is symbol provided to each stock. User can update his/her profile and can see portfolio also. The procedure of buying and selling stocks is simple. User can see real-time value of stocks and can sort them according today, week or month.

Screenshots of the Project / Photos of Working Model (Min.3):
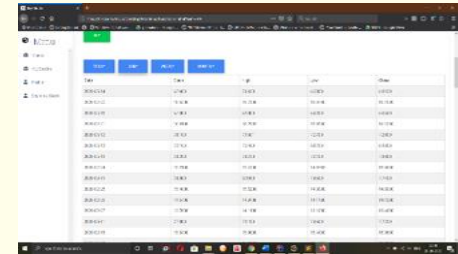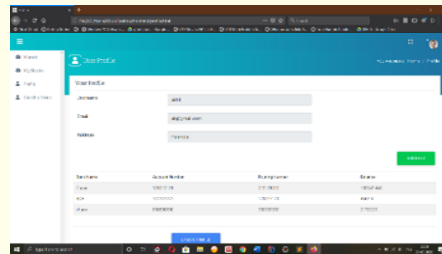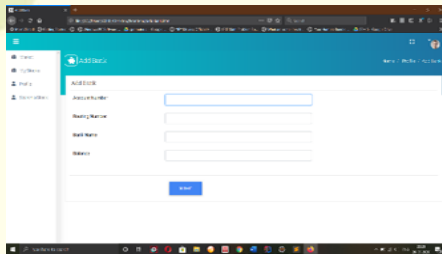
Applications: This application is for new user who are new to stocks world, here they can learn about stock market and invest in it without using real money.

Program :Computer Engineering

Project Title : **Travel and Tourism Management System**

Domain (Area of Project): Web Based Application

Name of Project Guide **:** Er.Sayali Kadam

Name of Students **:** Adil Khatri

Wasim Sayyed

Kalim Shaikh

Project abstract : It is a web based application. The main purpose of this website is to provide a convenient way for customer to book packages and customize their own package. The objective of this project is to develop a system that automates the processes and activities of Travel Agency.

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

Applications: Tourism Website help users for planning travel and to book Tour Packages as   per their requirement. It is a great way to meet new people and get your feet wet if you're new to travel.

Program :Computer Engineering

Project Title   **: T-Shirt Designing**

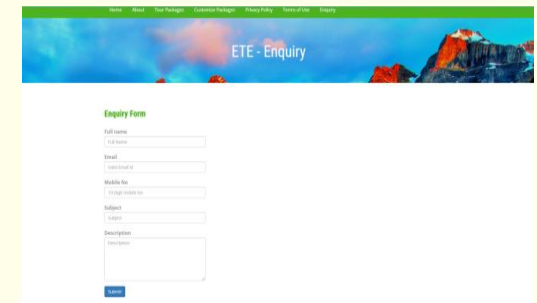**Domain (Area of Project): Web Based Application**

Name of Project Guide   **:** Er. Vijay Patil

Name of Students   **:** Charul Vig

Project abstract :

Custom T-shirt Designs is a web-based application. The purpose of this project is to provide a website that would allow customers to be able to customize T-shirt and place an order of custom T-shirt. This project provides two main services for customers. Firstly, it provides a way for customers to design. Secondly, it provides an easy way to purchase that T-shirt Design The project provides a cost-effective for small business owners with a small investment. Custom T-shirt Designs would serve as a platform where small business owners would be able to provide a designing platform for customers to be able to design their T-shirts according to their wish.

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

Applications:

- Build Awareness, Develop Your Branding,
- Perfect for Events, Use as Giveaways, Stand Out.

Program :Computer Engineering

**Project Title**   : Virtual Try On - Watches.

Domain (Area of Project): Mobile Application

Name of Project Guide   **:** Er.Sangeeta Wankhede

Name of Students   **:** Yashashree Talele

                 Unnati Patil

Project abstract : Virtual Try on solutions is one of the ways to give the user a better experience in online shopping with Augmented Reality. We have created marker based augmented reality Tryon solution in which the customer can Virtually try products while sitting anywhere. Try-on solution offers a chance to feel and experience the product like if they are at the live store by using mobile camera through Augmented Reality. It is the best way of engaging consumers with the visualization to the products in the catalogue of the brand. It is user friendly as well.

Screenshots of the Project / Photos of Working Model :
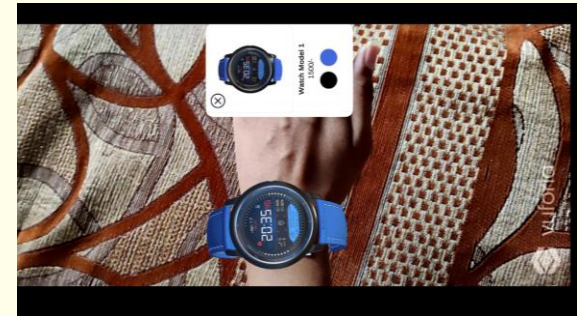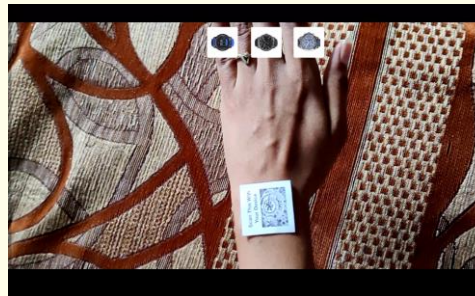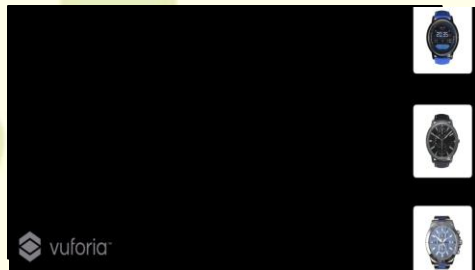
Applications:
• Online shopping for Watches.

Program :Computer Engineering

Project Title : VP MEET

Domain (Area of Project): Web Based Application

Name of Project Guide : Er. Meenakshi Khamkar

Name of Students : Sarth B. Malankar

Atharv R. Sawant

Atharva D. Bhingarde

Himani P. Kulkarni

Project abstract :
VP MEET is a video calling website. The concept behind video call is simple, it is as simple as making a phone call, but provides both video and audio. The right video conferencing tool allows user to set up a virtual room and provides a clickable link, that user can use to enter the room. Once they are in the meeting, you can see them with your screen and webcam, and they can see you.

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

Applications:
- Used for online classes
- Meetups
- Webinars
- Student-Faculty Connectivity

Program :Computer Engineering

Project Title : VPTalk

Domain (Area of Project): Web Based Application

Name of Project Guide : Er. Prasad Koyande

Name of Students : Uddhav Gore

Mayur Borkar

Amrita Panicker

Project abstract :
The website "VPTALK" is built so that Vidyalankar Polytechnic students can interact with each others. To provide better service to their users, The time of the user is being saved. The website offers a wide range of options for pooling. During past several decades, there is need for effective and user friendly social networking site that give facility to reduce complexity.

Screenshots of the Project / Photos of Working Model (Min.3):
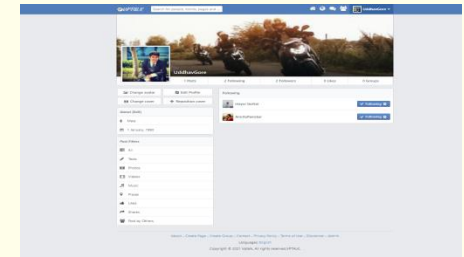
Applications:
- Used to make freinds and for communication
- Used to know about other people.
- Used to share information with freinds

Program :Computer Engineering

Project Title   **: Website for Special Children.**

Domain (Area of Project): Web Based Application

Name of Project Guide **:** Er. Sangeeta Shirsat

Name of Students **:** Shweta Jaiswar

Aishwarya Raut

Project Abstract :

In our website we met the requirements of special need children in motivational as well as educational way by including motivational videos, articles of legends with special needs and also provides the information of an orphanage which is the true house for this kind children.

Screenshots of the Project / Photos of Working Model:
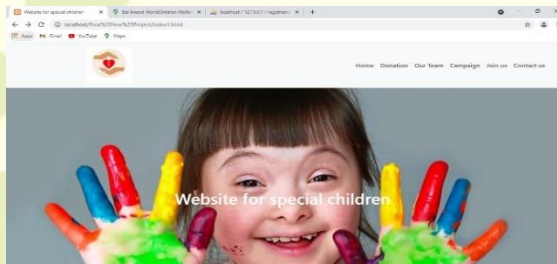
Applications:

Easy to access website.

User can also refer the motivational articles of special people like Arunima Sinha, Helen Keller, etc.

User can watch motivational videos as per their choice.
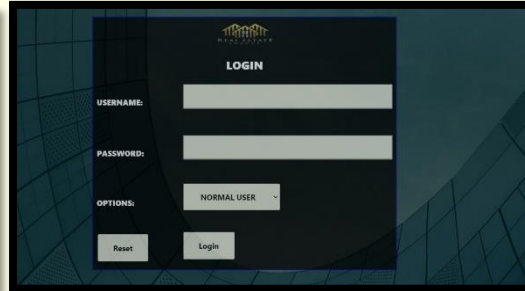
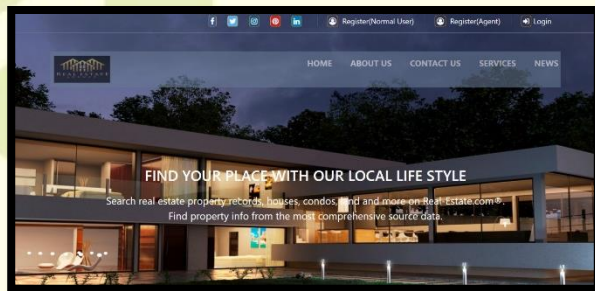User can refer the orphanage suggested by us.

Program :Computer Engineering

Project Title : **Real-Estate Website**

Domain (Area of Project): Web Based Application

Name of Project Guide : Er.Sangeeta Wankhade

Name of Students : Shriyash Gharat

Yash Patil

Gauri Dawkhar

Manasi Dayete

Brief idea of Project: Real Estate is related to online website of estate. Real Estate web application is an interactive, effective, and revenue-generating website designed for Real Estate Company to display unlimited number of property listings on the website. Buy and verify the property and the online service is provided by us free of charge.

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

Applications:
*   Well-defined profile of property dealers and their customers
*   To search out nearby homes for rent or purchases.

Program :Computer Engineering

Project Title : **BUDGETIZER**

Domain (Area of Project): Web Based Application

**Name of Project Guide** : Er. Vaishali Malkar

Name of Students : Ashutosh Sawant

Urja Dudwadkar

Vedant Yadav

Project abstract : "Budgetizer" is here to make sure your money is well managed by doing most of the work for you. Our Website will help the user to plan budget according to income. It will be easy to plan expenses and reduce unnecessary spending. Keeping a record of your expenses using a Budgetizer is a good way to manage your finances from month to month.

Screenshots of the Project / Photos of Working Model (Min.3):
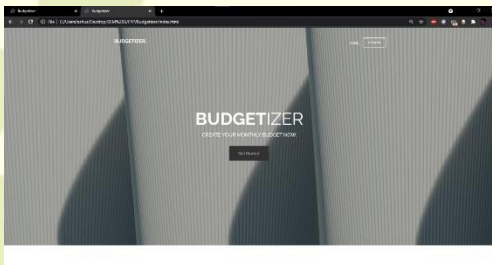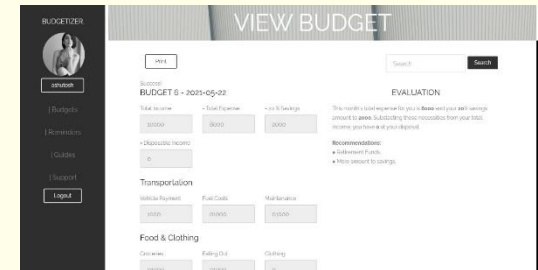
Applications:
1. Personal budget
2. Home budget
3. Financial Planning

Program: Computer Engineering

Project Title : Secured Messaging App

Domain (Area of Project): Security

Name of Project Guide: Er. Siddhesh Vaidya

**Name of Students** : Pratik Nivalkar

Tejas Kulaye

Pranav Shetye

Abdullah Usmangani Matwawala

Project Abstract : For the realistic demand of data security communications, we are going to design android application using efficient algorithm for encryption & decryption. Application having two ends one is sender and other is receiver. Message will be encrypted & decrypted within the application.

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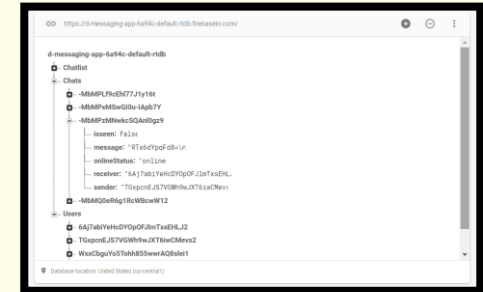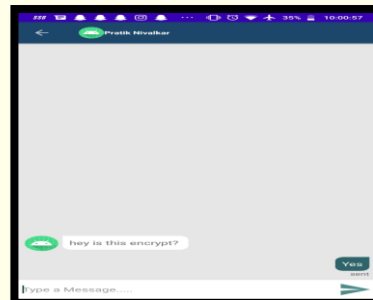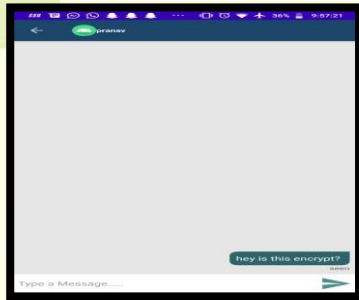
Applications:

• Secure messaging is used in many business areas with company-wide and sensitive data exchanges. Financial institutions, insurance companies, public services, health organizations, and service providers rely on the protection from secure messaging.

Participated in State Level Online Project Competition

Program : Computer Engineering

Project Title : Emoji Generator

Domain (Area of Project): Image Processing Using Machine Learning

Name of Project Guide : Er. Anjali Gharat

Name of Students : Yash Rawool

Arbaz Shaik**h**

Kartik Bhuniya

Project abstract : Emojis or avatars are ways to indicate nonverbal cues. These cues have become an essential part of online chatting, product review, brand emotion, and many more. It also led to increasing data science research dedicated to emoji-driven storytelling. With advancements in computer vision and deep learning, it is now possible to detect human emotions from images. In this deep learning project, we will classify human facial expressions to filter and map corresponding emojis or avatars.

Screenshots of the Project / Photos of Working Model (Min.3):
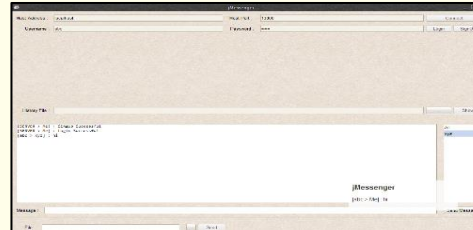
Applications: 1. Used in Social media ,games 2. In Data science research

Awards if Any for TPP / Competitions / Paper Publication / Any Other Pls. Specify :- State Level Online Project Competition

Program :Computer Engineering

Project Title   **: E-Complaint Registration**

Domain (Area of Project): Desktop Application

> **Name of Project Guide**   **:** Er. Manisha Pokharkar
>
> **Name of Students**   **:** Payal Bansode
>
>   Dev Shinde
>
>   Ankita Jaiswal
>
>   Aman Jaiswal

Project abstract : "E-Complaint Registration" the project idea comes under the "Digital India" campaign. This idea focuses on ordinary people as well as the police. The application developed under this idea solves the problems faced by the law and ordinary people. The "E-Complaint Registration" is the cross-platform Desktop application developed for use in the windows pc.

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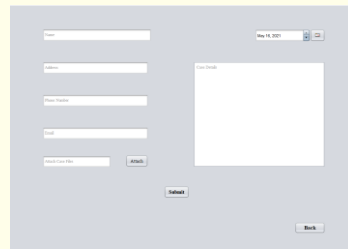
Applications:

- Used to Register Complaint.
- Used to Send/Receive Complaints.
- Used to get Details of Complaints and Cases in Document Format.

Program :Computer Engineering

Project Title   **: Quotation Making Desktop Application**

**Domain (Area of Project): Desktop Application**

Name of Project Guide **:** Er. Manisha Pokharkar

Name of Students **:** Soman Sukale

Amit Jadhav

Project abstract : The main aim of the Project is to make quotation easily. This application can be very useful because it can search, edit, save, add product with its price, add costumer, costumer address all these features in one application. It also calculates the product total cost based on quantity, discount, GST automatically so you don't have to manually calculate it.

Screenshots of the Project / Photos of Working Model (Min.3):
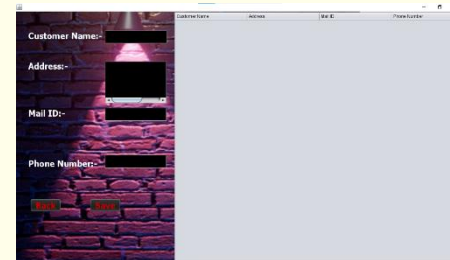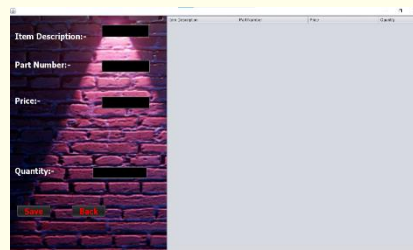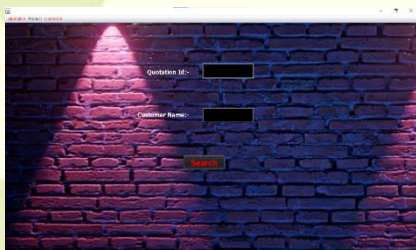
Applications: It can be install directly on your personal computer, we can launch it whenever we want, They can work without the internet connection.

Final Year Project Committee Program: Computer Engineering

	Mr. Vijay T. Patil **(Head, Department of Computer Engineering)**
	Ms. Sayali Kadam **(Project Coordinator)**