

V-Ideas

Program: Computer Engineering
(NBA Accredited)

2021-2022



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.

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 Computer Engineering, Information Technology, Electronics and Telecommunication Engineering.**
- **The college has excellent infrastructure for Class rooms, Technical library, Laboratories and latest computing facilities.**

Principal Speak



Prof. Ashish Ukidve
Principal
Vidyalankar Polytechnic

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.

Chief Technology Officer (CTO) Speak



**Prof. Anjum Mujawar, CTO
Vidyalankar Polytechnic**

“A project is complete when it starts working for you rather than you are working for it”

-Scott Allen

The capstone project is designed to consolidate final-year students' learning with valuable hands-on experience to help develop them into well-prepared and well-rounded graduates. It provides them an opportunity to use tools and techniques and implement methods. The capstone project encompasses a real-life working culture which aims to instill a set of specific skills that are both highly valued by employers and will ultimately serve students well into their careers.

To complete the project, students need to plan, estimate, and manage their time and energy. Students deepen their knowledge across disciplines and work effectively in teams while engaging professionally with their peers and professors. Solving real industrial problems is encouraged and facilitated by project guide.

We, at Vidyalankar, provide all the required facilities to complete their project. We also promote industry institute interaction by assigning industry-based problems in the form of project to our students.

V-ideas culminates V-Technovation 2022

"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	Smart Parking System	1
		CO1.2	Waste Connect	2
		CO1.3	Video Doorbell	3
		CO1.4	Wireless Scoreboard	4
		CO1.5	Home Automation	5
		CO1.6	Face Recognition Attendance System	6
		CO1.7	Advanced Stick	7
		CO1.8	IoT Based Fire Department Alerting System	8
		CO1.9	Face Mask Detection and Temperature Scanning	9
		CO1.10	Smart Glasses For Visually Impaired	10
		CO1.11	Smart Door Security System	11

Program: Computer Engineering

Area ID	Project Area	Project ID	Project Title	Page No.
CO2	Artificial Intelligence and Machine Learning	CO2.1	Virtula – The Desktop Assistant	12
		CO2.2	AI Based FIR Registration System	13
		CO2.3	Loan Eligibility Predictor	14
		CO2.4	Doxtract	15
		CO2.5	MedOne	16
		CO2.6	Happify Mind	17
		CO2.7	Sign Language To Text Translation	18
		CO2.8	BoatPad (An AI Paired Designer)	19
		CO2.9	VP Gram (Book Review Application)	20

Program: Computer Engineering

Area ID	Project Area	Project ID	Project Title	Page No.
CO3	Mobile Application	CO3.1	Vidyalankar Polytechnic CMS	21
		CO3.2	Feed The Need	22
		CO3.3	The Talk	23
		CO3.4	Grocery Tracker	24
		CO3.5	Food App for Housewives	25
		CO3.6	Social Media Manager	26
		CO3.7	E-Society	27
		CO3.8	V Canteen	28
		CO3.9	Career Counselling App	29
		CO3.10	Awaaz App For Blind / Visually Impaired People	30
		CO3.11	Blood Easy	31
CO4	Web Based Application	CO4.1	Pet Adoption Website (ShelterMe)	32
		CO4.2	Nobel Intermediates	33
		CO4.3	Student Feedback System	34

Program: Computer Engineering

Area ID	Project Area	Project ID	Project Title	Page No.
CO4	Web Based Application	CO4.4	Online Examination System	35
		CO4.5	VP Assistant	36
		CO4.6	Online Chat Website	37
		CO4.7	Farmer 2.0	38
		CO4.8	E-Kirana Store	39
		CO4.9	Unused Medicine Donation	40
		CO4.10	Alumni Directory	41
		CO4.11	Online Job Portal	42
		CO4.12	Smart Health Prediction System	43
		CO4.13	Online Student Portal	44
		CO4.14	Complaint Management System For Municipal Corporation	45
		CO4.15	Web Based Application Women Safety	46
		CO4.16	Family Disaster Plan	47

Program: Computer Engineering

Area ID	Project Area	Project ID	Project Title	Page No.
CO4	Web Based Application	CO4.17	Donation Box	48
		CO4.18	Ceramica	49
CO5	Robotics	CO5.1	NOVA	50
CO6	Security	CO6.1	Multimedia Processing Using Security	51
		CO6.2	VoteBlock	52
		CO6.3	Blockchain Based Feedback System	53
CO7	Image Processing	CO7.1	Currency Detector	54
		CO7.2	3D Facial Reconstruction Using The Skull of A Deceased Person	55

Program :Computer Engineering

Project Title : Smart Parking System
Domain : Internet Of Things

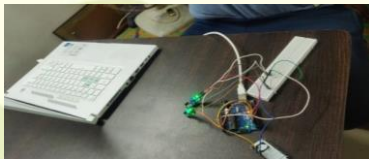


Name of Project Guide : Er. Gauri Bobade
Name of Students : 19203A0003 -Kaushik Shigvan
19203A0029 -Harshad Raurale
19203A0040- Shubham Modi
19203A0052 -Priyanshu Worlikar

Brief idea of project:

Parking is a problem in many cities. Usually, it is not possible to build new parking lots due to insufficient available areas. We will present a miniature model of an automated car parking system that can regulate and manage the number of cars. Automated parking is a method of parking and exiting cars using sensing devices. The entering to or leaving from the parking lot is commanded by an Android based application.

Screenshots of the Project



Applications:

- This project can be used in Malls, Multiplex.
- It can also be used in Society and Residential areas

Program : Computer Engineering

Project Title : Waste Connect
Domain : IoT (Internet of Things)

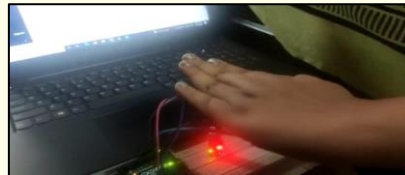
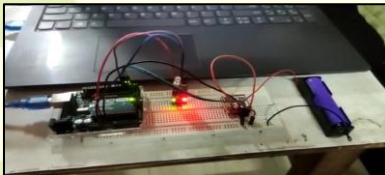


Name of Project Guide : Er. Sudhir Lawand
Name of Students : 19203A0005 – Aditya Tanawade
19203A0006 – Shrushti Tanawade
19203A0010 – Sakshi Koli
19203A0011 – Pranav Yamagekar

Brief idea of project:

The basic need of the project is to replace the existing regular and manual dustbin with “Smart Dustbin” consisting software’s to control the overflow, management and tracking of waste disposal. Hardware Used: Arduino NANO V3.0 Development Board, Infrared Obstacle Avoidance IR Sensor Module, SIM800L GPRS GSM Module. Software Used: Front End:- Flutter , Blender, Back end:- Firebase. Programing Used: Dart for flutter, Python or C++ for Arduino.

Screenshots of the Project



Applications:

- Smart bins are very effective at airports, malls, schools, campgrounds, beaches, and parks.
- Smart connect technology will help municipalities manage the waste all the area with proper management.

Program : Computer Engineering

Project Title : Video Doorbell
Domain : Internet of Things (IoT)



Name of Project Guide : Er. Sheetal Shelar
Name of Students : 19203A0014 – Shree Shinde
19203A0049 – Salman Moghul
19203A0051 – Moksh Mehta
19203A0059 – Sarita Mukkani

Brief idea of project:

Video Doorbell is a safe and secure way of monitoring your visitors. It will sense any motion in front of your door and notify the owner. It also will have a face recognition feature. It also has localization feature in which the visitor can ring a bell through an application in their device if they are connected to the same Wi-Fi connection as the doorbell. It also has an emergency call feature by using the owner can call security, police or the Neighbor for help in case of any emergency.

Screenshots of the Project



Applications:

- This product can be used at House's and Apartment.
- Provide security against intruders.

Program : Computer Engineering

Project Title : Wireless Scoreboard

Domain : Internet of Things



Name of Project Guide : Er. Swati Ranade

Name of Students : 19203A0037 - Shreyash Solaskar

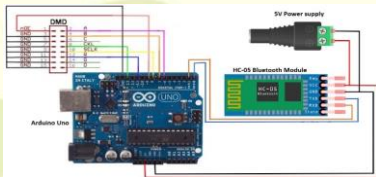
19203A0039 - Sameer Khan

2020A1005 – Aniket Koli

Brief idea of project:

Wireless scoreboard is a IOT based project. The benefit from this project will be for schools and collages during sports days to display result or score card on digital platform. This is a web-based application. This works with wired and wireless communication connectivity with control unit and display unit.. This is new idea for schools, colleges, government and corporate offices to display the contents in a smart way.

Screenshots of the Project



Applications:

- Display contents like score card, points on digital Screen.

Program : Computer Engineering

Project Title : Home Automation

Domain : Internet of Things (IoT)



Name of Project Guide : Er. Sheetal Shelar

Name of Students : 18203B0012 – Rahul Khirari

18203B0028 – Pratham Govalkar

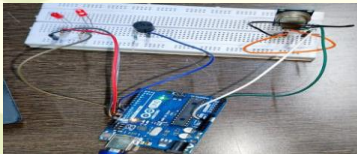
18203B0036 – Zaid Shaikh

18203B0041 – Aditya Shinde

Brief idea of project:

Internet of Things (IoT) conceptualizes the idea of remotely connecting and monitoring real world objects (things) through the Internet . When it comes to our house, this concept can be aptly incorporated to make it smarter, safer and automated. This IoT project focuses on building a smart wireless home security system which sends alerts to the owner by using Internet in case of any trespass and raises an alarm optionally. Besides, the same can also be utilized for home automation by making use of the same set of sensors.

Screenshots of the Project



Applications:

- Lighting Control.
- HVAC(heating , ventilation , air conditioning)

Program : Computer Engineering

Project Title : Face Recognition Attendance System
Domain : IoT



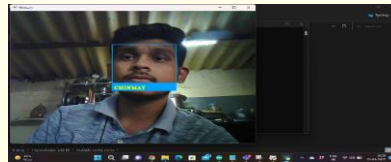
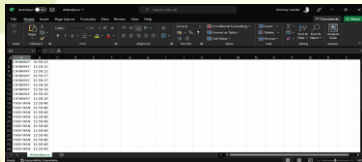
Name of Project Guide : Er. Anjali Gharat

Name of Students : 19203C0043- Prathamesh Nitore
19203C0051 – Chinmay Nawale
19203C0053 – Yash Randive
19203C0008 – Saumitra Gaikwad

Brief idea of project:

Face recognition-based attendance system is a process of recognizing the students face for taking attendance by using face biometrics based on high - definition monitor video and other information technology

Screenshots of the Project



Applications:

- Touch less Sign In System: A Post Pandemic Requirement
- More Accurate and Better Worker Attendance

Program : Computer Engineering

Project Title : Advanced Stick
Domain : IoT



Name of Project Guide : Er. Swati Ranade

Name of Students

: 19203C0054 – Bilal Shaikh

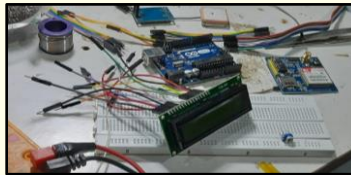
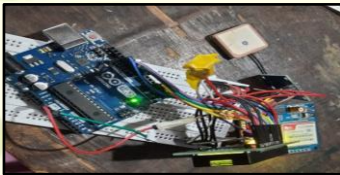
19203C0048 – Karamat Shirgaonkar

19203C0039 – Ansari Abdullah

Brief idea of project:

Our Goal of the project is to help a blind or visually impaired person as much as possible, bringing user ease while user is walking down the street or traveling anywhere. We can provide help through our Advanced stick such as Detecting objects in the path and informing the user through vibration buzzer and if feeling insecure user can send an alert message to a registered number, rain sensor, etc.

Screenshots of the Project



Applications:

- Detect Obstacles.
- Tracking System.
- Send Alerts SMS.

Program : Computer Engineering

Project Title : IoT Based Fire Department Alerting System
Domain : IoT



Name of Project Guide : Er .Anjali Gharat
Name of Students : 19203C0001 – Siddhi Talekar
19203C0003 – Sanika More
19303C0021 – Niharika Renjerla
19203C0024 – Deepika Reddy

Brief idea of project:

The proposed project has been built keeping in mind the safety and security of the people and property. It is basically a low cost fire detection and control system based on flame detection. It reports exact location to the fire department authorities so they can take the necessary immediate actions. It also includes advanced features like activating the sprinkler and opening emergency exits when fire occurrence is detected.

Screenshots of the Project



Applications:

- Chemical Factories
- Shopping Malls
- Grocery Shops

Program : Computer Engineering

Project Title : Face Mask Detection and Temperature Scanning
Domain : IoT

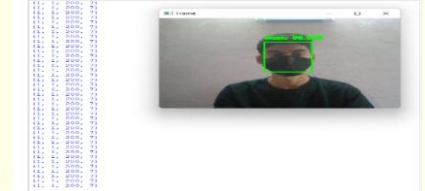
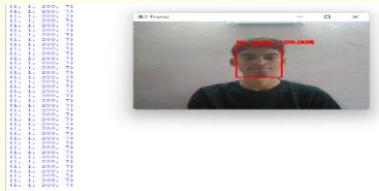
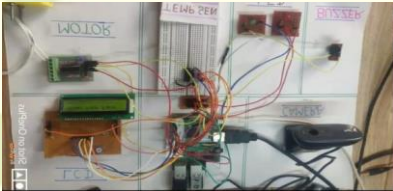


Name of Project Guide : Er. Anjali Gharat
Name of Students : 19203C0002 – Om Todankar
19203C0004 – Niraj Ahire
19203C0036 – Samuel Josiah
19203C0057 – Hamza Khan

Brief idea of project:

The purpose of the project "Face Mask Detection Using Machine Learning" is to create a tool that identifies the image of a human that can calculate the probability that he/she wearing a mask or not. Due to COVID, wearing a face mask is must in order to stay safe. As the country starts going through various stages of reopening, face masks have become an important element of our daily lives to stay safe. Wearing face masks will be required in order to socialize or conduct business. So, this application utilizes a camera to detect if a person is wearing a mask or not.

Screenshots of the Project



Applications:

- It can be used in Hospitals
- It can be used in Schools

Program : Computer Engineering

Project Title : Smart Glasses For Visually Impaired

Domain : Internet of Things [IoT]



Name of Project Guide : Er. Prasad Koyande

Name of Students : 19203B0007 – Mursaleen Batatawala

19203B0063 -- Faraaz Ansari

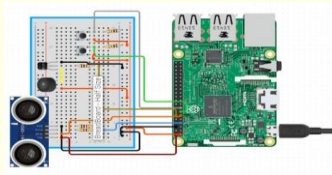
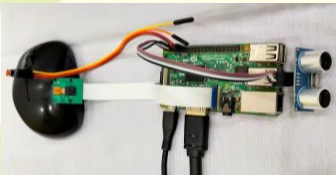
19203C0018 -- Abizer Agarwala

19203C0019 -- Haider Jawadwala

Brief idea of project:

These "Smart Glasses" are designed to help the blind people to read and translate the typed text which is written in the English language. The first task of the glasses is to scan any text image and convert it into audio text, so the person will listen to the audio through a headphone that's connected to the glasses. The second task is to identify objects, the distance between object and the user, and relay that information to the user. The glasses will also help to identify the person in front of the User.

Screenshots of the Project



Applications:

- The main application of this Project is to help visually impaired people to perform their daily chores with ease.

Program : Computer Engineering

Project Title : Smart Door Security System

Domain : IoT



Name of Project Guide : Er. Poonam Pandire

Name of Students : 19203A0007- Rahul Kurhade

19203A0033- Arin Potdar

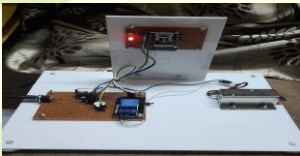
19203A0045- Tahera Khambaty

19203A0067- Advay Chamur

Brief idea of project:

Smart door lock system is user controlled lock system . In which face detection technology is used to open the door . So, basically a client's face is fetched first in esp cam 32 so that the particular face will be detected to open the door lock and if in case a wrong face is detected then a buzzer will be ringed and the owner will be notified all the process.

Screenshots of the Project



Applications:

- The application will be used by the user to access the smart door security system with face recognition
- This application will help in the enhancement of security through face recognition

Program : Computer Engineering

Project Title : Virtula – The Desktop Assistant

Domain : Artificial Intelligence



Name of Project Guide : Er. Poonam Pandire

Name of Students : 19203A0027 – Shreya Pichad

19203A0031 – Prerna Jadhav

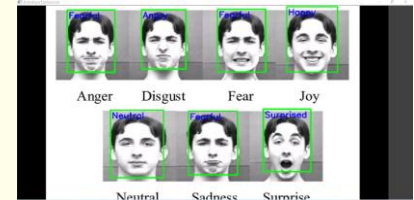
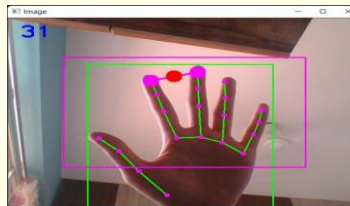
19203A0032 – Janhavi Karpe

Brief idea of project:

Virtula is an artificial intelligence-based technology. It receives speech requests through the device's microphone, with the voice output coming from the speaker. The usage of multiple distinct algorithms is the most fascinating aspect of these two acts. OPENCV, SPEECH RECOGNITION, and other modules/packages and APIs are included. All of this adds up to VIRTULA being a great friend and coworker. She keeps an eye on you and makes your day-to-day life enjoyable and simple.

Screenshots of the Project

```
Dear said: How are you
Listening...
Recognized:
Dear said: I am fine
Listening...
Recognized:
Dear said: who are you
Listening...
Recognized:
Dear said: who is Elon Musk
Listening...
Dear said: how many views on a wide variety of subjects, ranging from politics to science.
Listening...
Recognized:
Dear said: what is the current time
Listening...
Dear said: 10:30:12
Recognized:
Dear said: today's news
Dear never were basic could use chemical weapons in Ukraine, rejects false "conspiracy" of U.S. officials - the Washington Post
Listening...
Dear said: what time is it now
Recognized:
Dear said: what time is it now
Recognized:
Dear said: what time is it now
Recognized:
```



Applications:

- Voice-based Assistant
- Virtual Mouse & Virtual Keyboard
- Mood Detection
- Answer Queries by Speech and many more.

Program : Computer Engineering

Project Title : AI based FIR Registration System

Domain : Web based Application, Artificial Intelligence



Name of Project Guide : Er. Supriya Kadam

Name of Students : 19203B0051 - Rushikesh Dhamale

19203B0055 - Raj Kshirsagar

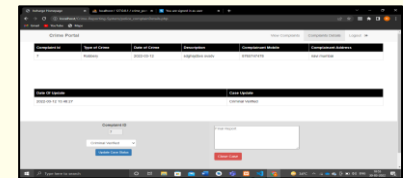
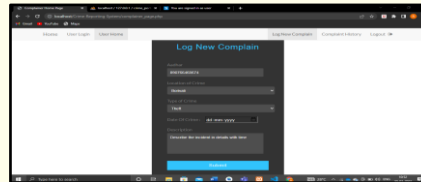
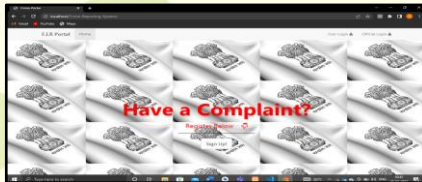
19203B0056 - Asad Khan

19203B0061 - Rohan Naikwade

Brief idea of project:

AI based FIR system is a site in which any citizen can report crimes. We have proposed a system with multiple user such as police, in charge, head etc. each with certain facilities assigned to them. The Crime Management and Reporting System make the crime reporting easier. Thus project will be useful for Police Department and Citizen

Screenshots of the Project



Applications:

- Complaint Filing by Citizen
- Police administration

Program :Computer Engineering

Project Title : Loan Eligibility Predictor
Domain : Artificial Intelligence(Data Science & Machine Learning)



Name of Project Guide : Er. Manisha Pokharkar
Name of Students : 19203B0034- Om Jagtap
19203B0041- Raj Misal
19203B0045- Siddhesh Kute
19203B0054- Nayan Pawar

Brief idea of project :

With the improvements within the banking sector numerous individuals are applying for bank loans yet the bank has its limited resources which it has to grant to a small amount of people only, so finding out to whom the loan can be permitted which will be a safer option for the bank is a typical process. So in this project we try to reduce this risk element behind selecting the safe person so as to save lots of bank endeavour and assets.

Screenshots of the Project



Applications:

- This application can be used by people who wants to donate left-over food at functions, events restaurants etc. to people who is in need of food such as orphanages, charity etc.
- These Project will be beneficial for the society and it will help peoples who have lack of food.

Program : Computer Engineering

Project Title : Doxtract

Domain : AI and ML



Name of Project Guide : Er. Vijay Patil

Name of Students : 19203C0027 – Saumil Shah
19203C0030 - Sahil Shaikh
19203C0032 – Zunaid Shaikh
19203C0034 – Ayush Kotangle

Brief idea of project:

Doxtract extracts information from document or invoice automatically. It is based on Advanced AI/ML techniques and is accurate for most invoices.

Screenshots of the Project



Date => 8/13/2013
From => WISHWILL International Limited
To => Bill Billy
Total=> \$3653.60
Tax => \$0.00

Applications:

- Automated Data entry
- Document Data extraction

Program : Computer Engineering

Project Title : MedOne

Domain : Artificial Intelligence(Data Science & Machine Learning)



Name of Project Guide : Er. Manisha Pokharkar

Name of Students : 19203B0029 – Aaditya Parab

19203B0042 – Amey Sawant

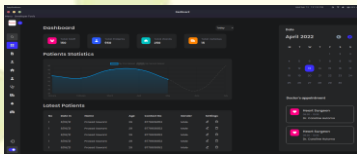
19203B0044 – Prasad Sawant

19203B0049 – Sharanu Poojari

Brief idea of project:

Our project is mainly based on helping people to find beds according to their needs and hospital's beds availability, which will ultimately help people time and effort. An app which will be middleware like Uber Eats, Amazon, Uber, etc. but the use of this app will be in the medical field. This app will show each and every needed information of hospitals to the patients, like how many beds are available at the hospital, what type of specialties they do have like Specialists, etc. and patients can book appointments or beds with the help of this app. They can also purchase medicines which can be delivered to them in future updates. Our project is made using MongoDB, Express.js, React Native, Node.js, Electron.js, etc.

Screenshots of the Project



Applications:

- Society Beneficial
- Any hospital can use as their own app

Program : Computer Engineering

Project Title : Happify Mind
Domain : Artificial Intelligence/Machine Learning

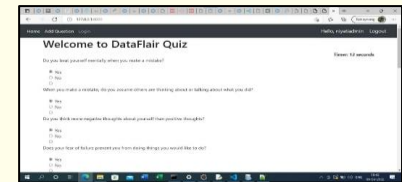
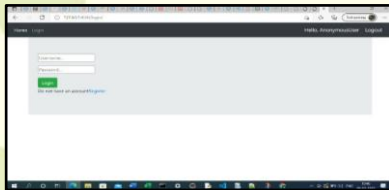


Name of Project Guide : Er. Sneha Patange
Name of Students : 19203C0007- Vaishnavi Bachwal
19203C0013 – Niyati Chaurasia
19203C0029 – Zaid Shaikh
19203C0056- Anika Ramkar

Brief idea of project:

Happify Mind is a medical /life science-based project. It will identify the state of persons mind. Its will recognize the emotions of person using face recognition and suggest some songs. Its will also take quiz to identify the state of mind.

Screenshots of the Project



Applications:

- It aims to provide user preferred music with respect to the emotions detected
- It helps reduce stress level.

Program : Computer Engineering

Project Title : Sign Language To Text Translation

Domain : Artificial Intelligence



Name of Project Guide : Er. Supriya Angne

Name of Students :
19203B0008- Maheshwar Muthukumar
19203B0022-Sahil Bhandari
19203B0012-Mohammed Farhan Noorani
19203B0064-Kushnuma Shaikh

Brief idea of project:

Deaf- mute people use hand signs language to communicate with each other, but normal people face problem in recognizing their language made by signs(hand gestures). Hence there is always need of the middle person who know both the languages in order to communicate. Our project objective is to create an application that analyze and translate the sign language i.e hand gestures into text /voice that helps to reduce the communication gap between deaf-mute and people and eliminate the need of middle person.

Screenshots of the Project



Applications:

- provide aid for the speech-impaired to communicate with those who do not know the sign language.
- Provide aid for normal people who want to communicate with speech-impaired people.

Program : Computer Engineering

Project Title : BoatPad (An AI paired Designer)

Domain : Artificial Intelligence



Name of Project Guide : Er. Sudhir Lawand

Name of Students : 20203C1002 –Venkatesh Donthula

20203C1006 - Kaustubh Kalelkar

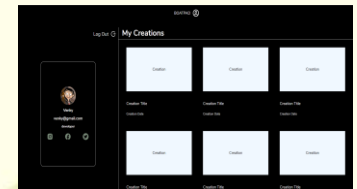
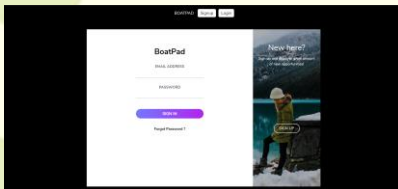
19203C0044-Tanvi Sakpal

19203C0011– Sonal Banpatte

Brief idea of project:

BoatPad is an AI paired Designing tool. It is the graphic designing tool which will make creativity easy. BoatPad will let you connect to the newest design by self-learning methods. It provides the users (Designers) with predictions for their live project.

Screenshots of the Project



Applications:

- Template Development
- Creating Minimalist Designs

Program :Computer Engineering

Project Title : VP GRAM (Book Review Application)

Domain : Artificial Intelligence



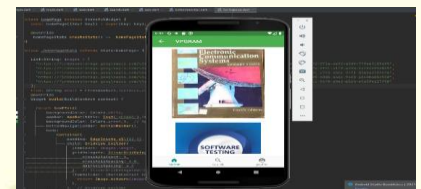
Name of Project Guide : Er. Meenakshi Khamkar

Name of Students : Mayuresh Pendurkar - 19203C0010
Vighnesh Wagh- 19203C0020
Hadi Khan- 19203C0022
Saniya Wairkar- 19203C0023

Brief idea of project:

VP GRAM is a mobile application to make a user-friendly social media app for readers to share their favourite books, recommend and review. To improve reading experience for readers and to inspire new readers

Screenshots of the Project



Applications:

- School and colleges libraries
- University libraries

Program : Computer Engineering

Project Title : Vidyalankar Polytechnic CMS

Domain : Mobile Application



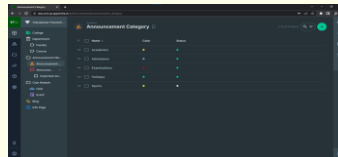
Name of Project Guide : Er. Prasad Koyande

Name of Students :
19203A0013 – Anurag Dubey
19203A0016 – Vinay Savla
19203A0020 – Sahil Makhijani
19203A0056 – Kuber Dhure

Brief idea of project:

This application will serve the purpose of teaching the students more about our college and engaging them with all the entertaining activities and events organized by the college. It will keep them up to date with all that is happening in the college along with the future plans. Ultimately, this application will make the student experience more convivial and indelible.

Screenshots of the Project



Applications:

- Show basic college information
- Club Management, Blogs, Announcement modules will help Vidyalankarites in managing and attending various events taking place in college, publish blogs and see the latest announcements

Program :Computer Engineering

Project Title : Feed The Need
Domain : Mobile Application



Name of Project Guide : Er. Manisha Pokharkar

Name of Students : 19203A0017:Tushar Chavan
19203A0001: Yash Mukane
19203A0044: Prasad Sasle
19203A0026: Raj Tajane

Brief idea of project:

Feed The Need is an android application which will help the needy one who is in need for food. Feed The Need app allows user(donor) to manage the excess food by donating it to needy one's or decomposing it for agricultural use. When donor wants to donate food he just have to go through our app. This app will send notification to orphanages and charities. If any NGO is interested, they will accept the request and the donor will get information of one who needs food. Similarly the needy also gets a notification along with donor details and it's location.

Screenshots of the Project



Applications:

- This application can be used by people who wants to donate left-over food at functions, events restaurants etc. to people who is in need of food such as orphanages, charity etc.
- These Project will be beneficial for the society and it will help peoples who have lack of food.

Program : Computer Engineering

Project Title : The Talk
Domain : Mobile App / AI



Name of Project Guide : Er. Swati Ranade

Name of Students :
19203A0009 – Parth Patankar
19203A0018 – Aryan Shirodkar
19203A0042 – Sanica Chavan
19203A0062 – Atharv Bhayye

Brief idea of project:

'The Talk' news app allows the user to browse through daily news. 'The Talk' eliminates all the norms of various news apps and displays a 'to the point' headline to the user hence making it time efficient. The app is designed in such a way that it is user friendly thus making it accessible to all age groups. This app features AI based news suggestion and the user can share news in the form of a link and can also save news in a pdf format.

Screenshots of the Project



Applications:

- Push Notifications
- Always updating API
- Information Goes Paperless

Program :Computer Engineering

Project Title

: Food App for Housewives

Domain

: Mobile Application



Name of Project Guide

: Er. Manisha Pokharkar

Name of Students

: 17203A0057- Sahil Kesarkar

17203A0036- Prajwal Salve

17203A0035- Dhanashree Salve

18203A0042- Aryan Kharat

Brief idea of project:

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



Applications:

- It has four major functionality in this application.
- User can browse all there favorite recipes , and can also display their recipes on this platform.

Program : Computer Engineering

Project Title : Social Media Manager
Domain : Web & Hybrid Mobile Application

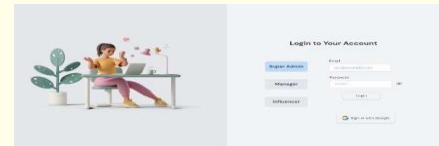
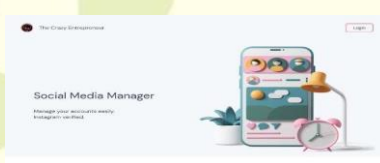


Name of Project Guide : Er. Prasad Koyande
Name of Students : 19203B0018 – Rohan Wandre
19203B0037 – Mehek Jain
19203C0015 – Omkar Yerunkar
19203B0016 – Chinmay Desle

Brief idea of project:

Social Media Manager is a website and mobile application which helps the manager of the influencer use the Instagram tools more effectively. It becomes very difficult for a person with more than 100k followers to manage his Instagram account in order to boost his reach and is also hectic for the manager to use these Instagram API to view analytics and plan accordingly. For all of this complex procedure, we have decided to make a web app and mobile application called Social Media Manager which will make it easier for both. The Influencer can schedule meetings and view his account insights. There is also a comments monitoring system. There is an auto-posting functionality which lets the manager/influencer upload stories and posts at a specific time.

Screenshots of the Project



Applications:

- The Influencer can schedule meetings and view his account insights.
- There is also a comments monitoring system
- There is an auto-posting functionality which lets the manager/influencer upload stories and posts at a specific time.

Program : Computer Engineering

Project Title : Grocery Tracker

Domain : Mobile Application



Name of Project Guide : Er. Sneha Patange

Name of Students : 20203A1003 – Prathamesh Gawali

20203A1006 – Amey Gharat

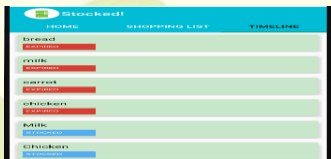
20203A1007 – Rahul Chaurasiya

19203A0050 – Siddhesh Revadkar

Brief idea of project:

Grocery Tracker is an application that can be used for keeping the track of the groceries bought. Modules of this application include – Login, registration, creation of the list, adding, deleting and auto-deletion of items from the list, alert notifications barcode scanning, etc. Firebase is used for creating a database and JAVA is used as programming language. Android Studio is used for User Interface designing.

Screenshots of the Project



Applications:

- It is used to record expiry of grocery.
- It's give alert message before the expiry of grocery.

Program : Computer Engineering

Project Title : E-Society

Domain : Mobile Application



Name of Project Guide : Er. Sudhir Lawand

Name of Students :
19203B0014 – Soham Shinde
19203B0039 – Omkar Sarmalkar
19203B0047 – Soham Gokhale
19203B0058 – Suyash Joshi

Brief idea of project:

Daily life in city areas has important things to deal with society management. Our day to day needs such as Water supply, Electricity, Security and many more things which directly or indirectly plays the vital role in residential life, comes under Society Management. E-Society will help you overcome all the problems such as paying bills, getting notices and announcements. This Application will make it easier to do all the work related to your society.

Screenshots of the Project



Applications:

- Reduce Paper load and manual work
- Fast, Easy and Secure.

Program : Computer Engineering

Project Title : V Canteen
Domain : Mobile Application



Name of Project Guide : Er. Vaishali Gawandi
Name of Students : 19203B0002 - Rutuja Prabhukocharekar
19203B0001 - Isha Kadam
19203B0019 - Rohit Jain
19203B0062 - Bhagyashree Sagvekar

Brief idea of project:

The project online canteen system helps the users to book their food earlier. This Canteen Automation System enables the end users read and select the food from e-menu card and order food online by just selecting the food that the user want to have using android application.

Screenshots of the Project



Applications:

- This system can also be used in Restaurants, Cafeteria, Other canteens, etc.
- Completely automated online ordering of food in a canteen.
- Order can be placed using personal android phones
- Minimize food wastage.

Program : Computer Engineering

Project Title : Career Counselling App

Domain : Mobile Application



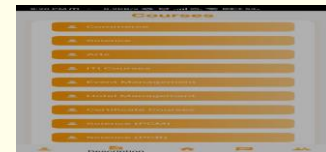
Name of Project Guide : Er. Swati Ranade

Name of Students : 19203B0004 Sakshi Mohan Brid
19203B0028 Sneha Sanju Temkar
19203B0053 Jill Chheda Bipin
19203C0031 Shaikh Iqra Fatema Taukir Ahmed

Brief idea of project:

This system is a mobile application that would help students studying in high schools to select a course for their career. The system would recommend the student, a career option based on their personality trait, interest and their capacity to take up the course.

Screenshots of the Project



Applications:

- This Application will help the students to select a proper stream after 10th and 12th make the best of their abilities.
- Many students have some doubts about their selected stream. These doubts can be solved by our machine learned chat bot.
- Students can get detailed information about a particular stream within this app.

Program : Computer Engineering

Project Title : Awaaz App For Blind / Visually Impaired People

Domain : Mobile Application



Name of Project Guide : Er. Vijay Patil

Name of Students : 19203A0043 – Devesh Vengurlekar

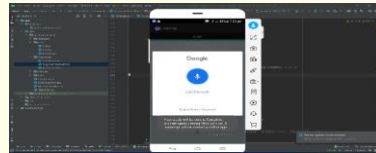
19203A0046 – Aditi Amale

19203A0048 – Anish Parulekar

19203A0063 – Kajol Bhandari

Brief idea of project:

This Awaaz application can be used to overcome daily challenges faced by a visually impaired person or blind. With the rapid advances in modern technology this application will be developed. This application helps the blind people a lot it helps the user and helps in users security. In this system the user will all use his/her android phone by voice command.



Applications:

- This application can be used by the blind person anywhere in his home or when he is walking on the road, outdoors etc.
- Day to day mobile activities, the location of blind person can be directly sent to his relatives mobile number.

Program : Computer Engineering

Project Title : Blood Easy
Domain : Mobile Application

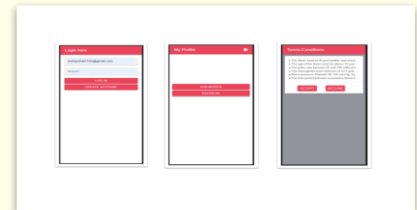


Name of Project Guide : Er. Siddhesh Vaidya
Name of Students : 19203B0031 – Nidhi Sawant
19203B0033 – Komal Pukale
19203B0040 – Harshal Menge
19203B0043 – Vinit Surve

Brief idea of project:

This app will also help the blood donors an easy and effective way to donate their blood. Donors will be rewarded in points that will create enthusiasm within them. This will create an online platform for Blood Donation. It will help people during medical emergency seek blood and medicines help.

Screenshots of the Project



Applications:

- This project can be used in medical emergency cases where the patient is in severe need of blood.
- This app will also help the blood donors an easy and effective way to donate their blood.

Program : Computer Engineering

Project Title : Pet Adoption Website (ShelterMe)

Domain : Web Application



Name of Project Guide : Er. Meenakshi Khamkar

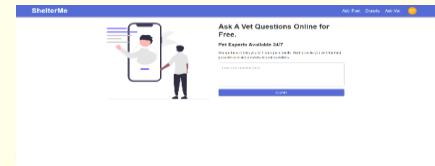
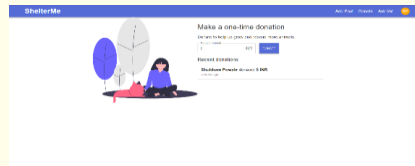
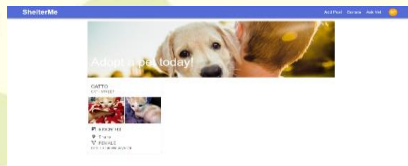
Name of Students :

- 19203A0004 – Ronak Adep
- 19203A0019 – Shubham Powale
- 19203A0034 – Sairaj Mhatre
- 20203A1002 – Sakshi Savardekar

Brief idea of project:

ShelterMe is a website which offers services like listing pets which are to be adopted by others or one can adopt a pet of any type. It also offers a chatting system which points directly to an available veterinarian. Users can ask any pet related questions to the vet. The website also features a donation feature where a person can donate a desired amount for the well being of animals. For the authentication of users, the users must first upload their aadhar card in order to adopt a pet only after their successful verification by an admin.

Screenshots of the Project



Applications:

- The website allows users to add their own pet as well as adopt a pet after authenticating themselves with their details and aadhar card.
- It offers veterinarian services and a donation system where the user can donate a certain amount for pets.

Program : Computer Engineering

Project Title : Nobel Intermediates

Domain : Web Application



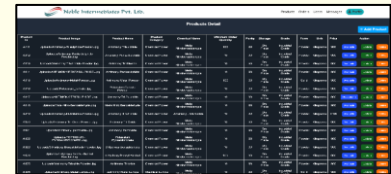
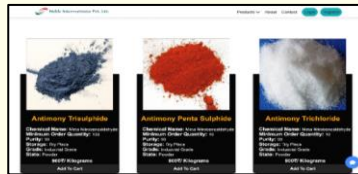
Name of Project Guide : Er. Meenakshi Khamkar

Name of Students :
19203A0015 – Sanket Ugale
19203A0025 –Nandini Raut
19203A0061 – Soham Rasam
19203A0064 – Mugdha Pawar

Brief idea of project:

Nobel Intermediates is a web application targeted for better control and timely response for the customers. It is a Web Application which allows customers to directly buy products from the company. It is developed to manage overall company work, managing customer orders and to keep detailed record of industry products such as acids and other chemicals. Admin and employees can update the product details and Customers can view the products, place their orders and track delivery status. It is used to keep a thorough record of customer activity and manage business work easily reducing manual efforts. Technologies used in this project are: PHP, HTML, CSS, MYSQL.

Screenshots of the Project



Applications:

- Keep a record of customer activity.
- Manage products.

Program : Computer Engineering

Project Title : Student Feedback System

Domain : Web Application



Name of Project Guide : Er. Supriya Kadam

Name of Students : 19203A0055 – Omkar Sarvankar

19203A0021 – Gaurav Kadam

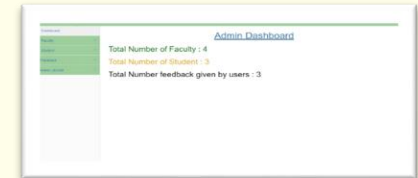
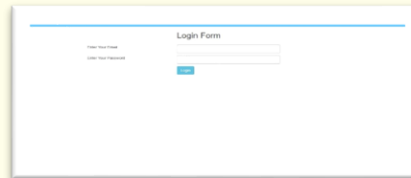
19203A0022 – Pooja Chaugule

19203A0023 – Akhil Bhojane

Brief idea of project:

Student Feedback system is used to get the feedback from the students. It generates the reports for the faculty on the basis of given feedback by the students. The staff will be provided with separate usernames and password in order to check the results. The total report is visible to the people like HOD and principal. It contains the modules like student, faculty and admin.

Screenshots of the Project



Applications:

- We can use this project on Colleges and Institutes.

Program : Computer Engineering

Project Title : Online Examination System

Domain : Web Application



Name of Project Guide : Er.Swati Ranade

Name of Students

: 19203A0002-Upasana Kadam

19203A0012-Archi Jadhav

19203A0038-Shubhangini Parhi

Brief idea of project :

Online Examination System is a cost-effective, scalable way to convert traditional pen and paper-based exams to online and paperless mode. Candidates can appear for the exam using any desktop, laptop, or mobile device with a browser. Exam results can be generated instantly for the objective type of questions.

Screenshots of the Project



Applications:

- Security of Examination Paper
- Quick Result Processing

Program : Computer Engineering

Project Title : VP Assistant

Domain : Web Application



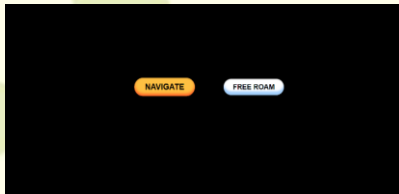
Name of Project Guide : Er. Vijay Patil

Name of Students :
19203B0010-Tanish Chavan
19203B0036Saiprasad Jadhav
19203B0038Darshan Jain
19203B0060- Yash Gajewar

Brief idea of project:

To visit college every time they wish to see the premises. Our Web Application will provide an efficient way to have 3D Virtual Tour of Vidyalankar Institute from anywhere anytime. It is hectic and complicated for new students to find their classrooms in the big campus. This application will also help them navigate their way.

Screenshots of the Project



Applications:

- 3D Virtual tour of Vidyalankar Campus
- Navigation to every classrooms and campus.

Program : Computer Engineering

Project Title : Online-Chat-Website
Domain : Web Application

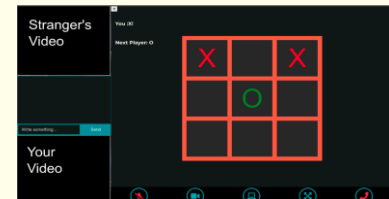
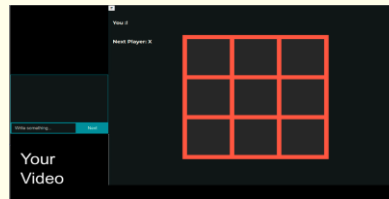
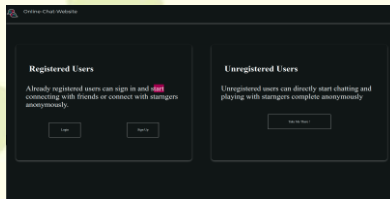


Name of Project Guide : Er. Vijay Patil
Name of Students :
19203B0035 – Arya Inamdar
19203B0046 – Sameer Dingore
19203B0050 – Abhishek Chaurasiya

Brief idea of project:

Online-Chat-Website is a web application providing a platform connect with strangers via chat and audio-video sharing with the game to play on same platform while being both lightweight and redundant. Beside the application itself the backbone of this application is scalability, visibility and security. All this is implemented using most modern tech stack React, Express, NodeJs, NGINX ingress, Kubernetes, Docker, JWT, MySQL .

Screenshots of the Project



Applications:

- The live chat site will include chat and video conferencing features with fun activities.
- The main goal is to anonymously connect two strangers

Program : Computer Engineering

Project Title : Farmer 2.0
Domain : Web Application

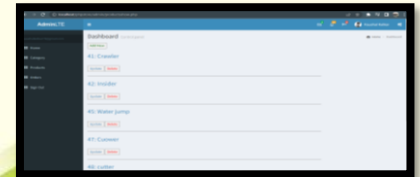


Name of Project Guide : Er. Siddhesh Vaidya
Name of Students :
19203B0020 – Pranav Sawant
19203B0027 - Shubham Vanve
19203B0048 – Kaushal Kotkar

Brief idea of project:

FARMER 2.0 is a website which can be used to sell and buy used farming products , with the help of our delivery partner scrapmojo (scrapcollectors). Modules of this website includes- home, shop, Petition, etc. MySQL is used for creating database and php is used as programming language. HTML CSS and BOOTSTRAP is used for User Interface designing.

Screenshots of the Project



Applications:

- All in one platform for all agriculture needs
- Guide for farmers and customers to all government's agricultural schemes and strategies and awarness

Program :Computer Engineering

Project Title : Unused Medicine Donation

Domain : Web Application



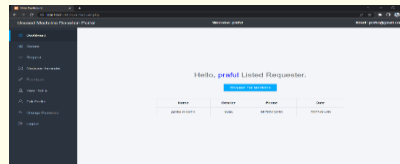
Name of Project Guide : Er. Meenakshi Khamkar

Name of Students : 19203B0013 - Praful Mestha
19203B0023- Aman Sonka
19203B0024- Aditya Sonkar
19203B0052- Aditi Mane

Brief idea of project:

The project revolves around helping people who are in need of Medicines. The web application will be accessed by the people who have unused Medicines and are wishing to help the needy. The Medicines will be taken from their doorsteps and will be provided to the needy.

Screenshots of the Project



Applications:

- Reduce wastage of unused medicines.
- To help the needy people by giving them medicines.

Program : Computer Engineering

Project Title : E-Kirana Store

Domain : Web Application



Name of Project Guide : Er. Sudhir Lawand

Name of Students : 19203A0024 – Omkar Tale

19203A0035– Sachin Veer

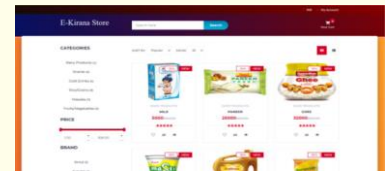
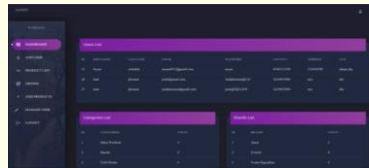
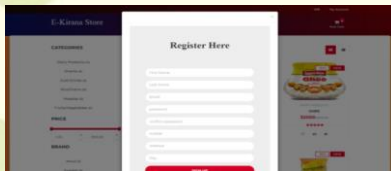
19203A0058 – Niraj Barai

19203A0066 – Aryan Solanki

Brief idea of project:

An Online Grocery Store is based on B2C business model. The consumer is provided with the facility of registering, signing in, viewing and ordering the grocery items as well as it provides secured online transaction. This would give boost to local grocery stores to expand their business.

Screenshots of the Project



Applications:

- Saves time and travel expenses so as to buy your daily needs.
- One-click and handy shopping.

Program : Computer Engineering

Project Title : Alumni Directory

Domain : Web Application



Name of Project Guide : Er.Supriya Kadam

Name of Students : 19203C0038 - Samarth Salvi

19203C0037 – Yash Kashte

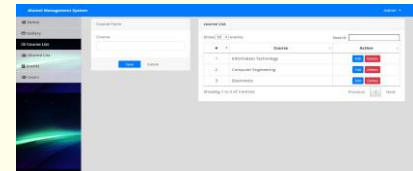
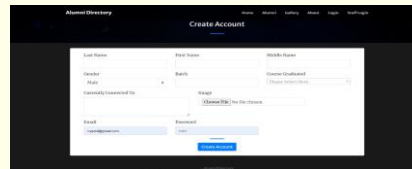
19203C0005 – Rugved Patil

19203C0016 – Siddesh Toraskar

Brief idea of project:

Alumni directory generation can act as an interactive medium between the old student and the School, College, University or institution. Alumni System helps the institutions to track old students and to track them for future endeavors.. Educational institution's alumni are the single greatest symbol of the success of your institution. An alumni directory helps you ensure that you never lose access to them and continue to engage with them long after they have graduated.

Screenshots of the Project



Applications:

- Gathering data of alumni gets simplified.
- Helps in maintaining and preserving alumni information.

Program : Computer Engineering

Project Title : Online Job Portal

Domain : Web Application



Name of Project Guide : Er. Vaishali Gawandi

Name of Students :
19203C0040 – Ritik Gohil
19203C0047 – Manvita More
19203C0059 – Aanchal Mehta

Brief idea of project :

Job Portal plays an important role in bridging the gap between the recruiters and the job seekers. The qualified job seekers search for a place where they can apply their knowledge and skills to burgeon in the professional sector. On the other hand, the recruiters also look for the candidates that possess the right talent, qualification, aptitude, and efficiency that can fulfill the vacancy. MySQL is used for creating database and php is used as programming language. HTML is used for User Interface designing and CSS is used for styling.

Screenshots of the Project



Applications:

- The objective of this application is to develop a system the job seekers and recruiters finding the right jobs for the employee.

Program :Computer Engineering

Project Title : Smart Health prediction system

Domain : Web Application



Name of Project Guide : Er. Poonam Pandire

Name of Students : 19203C0009- Abhishek Shirke
19203C0026-Prathamesh Kaginkar
19203C0014-Harsh Khodwe
19203C0055-Kunj Bhatiya

Brief idea of Project :

It might have happened so many times that you or someone yours need doctors help immediately, but they are not available due to some reason. The Smart Health Prediction system is an end user support and online consultation project. Here we propose a system that allows users to get instant suggestions on their health issues through an intelligent health care system online. The system is fed with various symptoms and the disease/illness associated with those systems.

Screenshots of the Project



Applications:

- Disease prediction from symptoms in emergency.
- You can simply find out diagnosis treatment in our project.

Program :Computer Engineering

Project Title : Online Student Portal

Domain : Web Application



Name of Project Guide : Er. Manisha Pokharkar

Name of Students : 18203C0027: Rohangir Gosavi

20203C1001: Kaif Shaikh

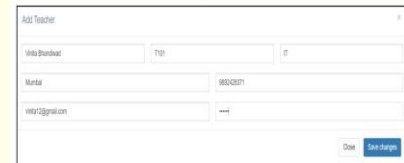
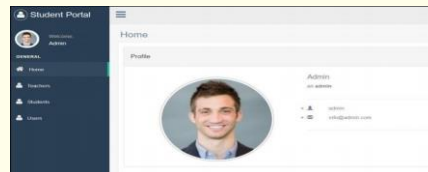
19203C0012: Hritik Shiraskar

19203C0046: Vedant Kanojiya

Brief idea of Project :

Student Portal provides a simple interface for maintenance of student–faculty information. It can be used by educational institutes or colleges to maintain the records of students easily. The creation and management of accurate, update information regarding a students’ academic career is critically important in the university as well as colleges. Student information system deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details, placement details and other resource related details

Screenshots of the Project



Applications:

- This application is very useful for Colleges and Students

Program :Computer Engineering

Project Title : Complaint Management System for Municipal Corporation.

Domain : Web Application



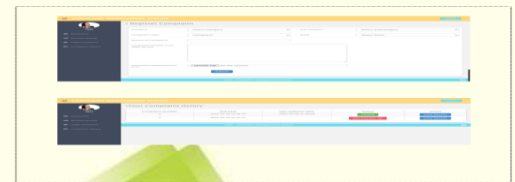
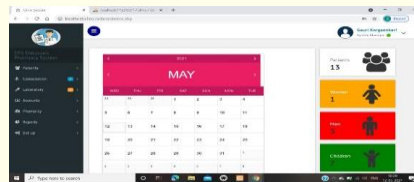
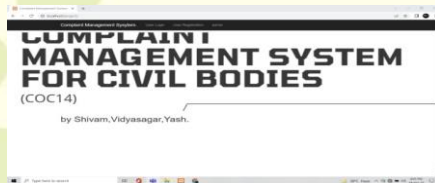
Name of Project Guide : Er. Sneha Patange

Name of Students : 19203C0041- Yash Kharat
19203C0058- Vidya Sagar Singh
19203C0042- Shivam Gupta

Brief idea of Project :

The main purpose of this project is to help the public in knowing their place details and getting their problems solved in online without going to the officer regularly until the problem is solved. By this system the public can save his time and eradicate corruption in government offices. Its main purpose is to provide a smart and easy way through website for Complaint registration and its Tracking and eradicating Bribing system and thus to prevent Corruption. Registration is provided so that officer can solve the problems easily

Screenshots of the Project



Applications:

- It leads to inconvenience to the public by standing in long queue and waiting for the acknowledgment of their complaints.
- Beneficiary to the Society.

Program : Computer Engineering

Project Title : Web Based Application Women Safety

Domain : Web Application



Name of Project Guide : Er. Siddhesh Vaidya

Name of Students : 19203C0006- Kirti Baksaraf

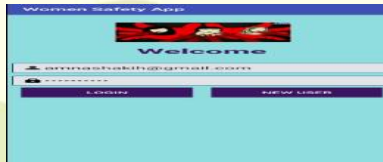
19203C0035-Zeeshan Faki

19203C0045-Shubham Patil

Brief idea of project:

Women Safety App' application using Google's Android Mobile Platform is addressed. Many unfortunate incidents have been taking place in woman's case. Problems may come from any direction such as women walking on the road after the work, going to super market or many other reasons for which they go alone. This app helps in sending the tracked location of the user to their close contacts which they have already selected.

Screenshots of the Project



Applications:

- Beneficial to women for their safety.

Program : Computer Engineering

Project Title : Family Disaster Plan

Domain : Web Application



Name of Project Guide : Er. Prasad Koyande

Name of Students : 19203A0028 – Shrey Raut

19203A0030 – Khushi Rohra

19203A0054 – Arfia Shaikh

19203A0065 – Prashansa Erande

Brief idea of project:

Family Disaster Plan is a web application to help people to be prepared and well informed of how to react in a disaster. MySQL is used for creating database and Laravel Framework is used as programming language. HTML is used for User Interface designing.

Screenshots of the Project



Applications:

- To make people aware of the disaster risk.
- Enhancing disaster preparedness for effective response in chaotic conditions, rehabilitation and reconstruction.

Program : Computer Engineering

Project Title : Donation Box
Domain : Web Development

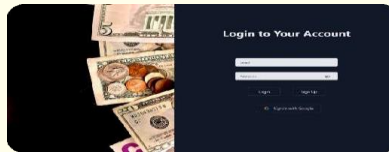


Name of Project Guide : Er. Poonam Pandire
Name of Students : 19203A0047 – Samiran Deore
19203B0009 – Ansh Tripathi
19203B0011 – Raiyyan Ansari
19203B0021 – Mayank Shukla

Brief idea of project:

To meet the increasing demand for improvements in the health care facilities & services we can utilize the power of internet technology & its wide network, by which people can help each other with just one click from their phone. The Donation system proposed here aims at providing an online platform for donating cloths, book, To organise Donation camps or unused medicines to needy people. Users can register themselves on this system by submitting their necessary details. Once registered the users can donate the medicines by providing accurate details to NGOs. The system will maintain a record of donated items and of organized camps.

Screenshots of the Project



Applications:

- This project can be very useful for the needy people who can not afford some of their needs
- Now a days some medicines are to expensive to buy for people,

Program : Computer Engineering

Project Title

: Ceramica

Domain

: Web Application



Name of Project Guide

: Er. Sudhir Lawand

Name of Students

: 19203C0049 – Agamjyot Bachu

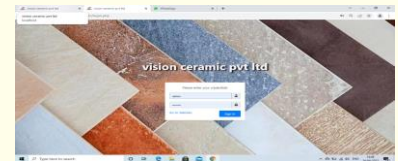
19203C0050 – Siddiqui Abdullah

20203C1007 – Kadam Dhruv Vishwanath

Brief idea of project:

Auto-services is a website which can be used to call a mechanic to our place, get nearby mechanic if stranded in road. Modules of this website includes- home, services, Insurance, etc. MySQL is used for creating database and php is used as programming language. HTML is used for User Interface designing.

Screenshots of the Project



Applications:

- Online shopping for ceramic products

Program :Computer Engineering

Project Title : NOVA

Domain : Robotics



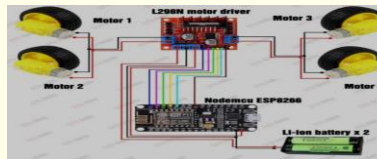
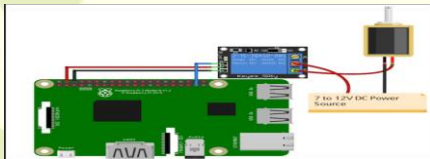
Name of Project Guide : Er. Sheetal Shelar

Name of Students : 19203B0006 Rudra Bamane
19203B0028 Aradhya Bhalekar
19203B0030 Ojas Satardekar
19203B0032 Sakshi Wagh

Brief idea of project:

Our project's name is "NOVA". Nova is a multipurpose robot. Its main feature is to deliver things from point A to point B. Also, it has a face recognition feature. NOVA will have a container which will open on face recognition. This feature of NOVA reduces risk like exchange of material as the container opens after face recognition. Nova is easy to control. The code for the functionality of NOVA is written in Python language.

Screenshots of the Project



Applications:

- Securely delivers medications through the hospital and directly to nursing units
- Indoor And outdoor spycam

Program : Computer Engineering

Project Title : Multimedia Processing using security

Domain : Security



Name of Project Guide : Er. Siddhesh Vaidya

Name of Students

: 19203A0036 – Sneha Tanawde

19203A0057 – Anushree Deorukhkar

20205A1001 – Prajkta Ugale

20205A1004 – Sakshi Patil

Brief idea of project:

Multimedia data encryption attempts to prevent unauthorized disclosure of confidential multimedia information in transit or storage. If we call a multimedia data stream (message) plaintext, the process of transforming the plaintext into unintelligible data stream is referred to as Multimedia Encryption (MME) where the encrypted message (data stream) is often named cipher text. The process of transforming the cipher text back into plaintext is termed decryption.

Screenshots of the Project

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Security.Cryptography;
using System.Text;

namespace ImageEncryption
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Image Encryption Program");
            Console.WriteLine("Enter the path of the image to be encrypted:");
            string path = Console.ReadLine();
            Console.WriteLine("Enter the key for encryption:");
            string key = Console.ReadLine();
            Console.WriteLine("Enter the path of the encrypted image:");
            string outputPath = Console.ReadLine();

            EncryptImage(path, key, outputPath);
        }

        static void EncryptImage(string path, string key, string outputPath)
        {
            byte[] keyBytes = Encoding.UTF8.GetBytes(key);
            if (keyBytes.Length < 16)
            {
                keyBytes = keyBytes.Concat(new byte[16 - keyBytes.Length]).ToArray();
            }
            RijndaelManaged aes = new RijndaelManaged { Key = keyBytes };
            FileStream input = new FileStream(path, FileMode.Open);
            FileStream output = new FileStream(outputPath, FileMode.Create);
            byte[] buffer = new byte[1024];
            int bytesRead;
            while ((bytesRead = input.Read(buffer, 0, buffer.Length)) > 0)
            {
                byte[] encryptedData = aes.TransformBlock(buffer, 0, bytesRead, 0, buffer);
                output.Write(encryptedData, 0, encryptedData.Length);
            }
            input.Close();
            output.Close();
        }
    }
}
```

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Security.Cryptography;
using System.Text;

namespace ImageEncryption
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Image Decryption Program");
            Console.WriteLine("Enter the path of the encrypted image:");
            string path = Console.ReadLine();
            Console.WriteLine("Enter the key for decryption:");
            string key = Console.ReadLine();
            Console.WriteLine("Enter the path of the decrypted image:");
            string outputPath = Console.ReadLine();

            DecryptImage(path, key, outputPath);
        }

        static void DecryptImage(string path, string key, string outputPath)
        {
            byte[] keyBytes = Encoding.UTF8.GetBytes(key);
            if (keyBytes.Length < 16)
            {
                keyBytes = keyBytes.Concat(new byte[16 - keyBytes.Length]).ToArray();
            }
            RijndaelManaged aes = new RijndaelManaged { Key = keyBytes };
            FileStream input = new FileStream(path, FileMode.Open);
            FileStream output = new FileStream(outputPath, FileMode.Create);
            byte[] buffer = new byte[1024];
            int bytesRead;
            while ((bytesRead = input.Read(buffer, 0, buffer.Length)) > 0)
            {
                byte[] decryptedData = aes.TransformBlock(buffer, 0, bytesRead, 0, buffer);
                output.Write(decryptedData, 0, decryptedData.Length);
            }
            input.Close();
            output.Close();
        }
    }
}
```



Applications:

- The image encryption is widely used to secure transmission of data in an open internet works.
- Image encryption decryption has applications in internet communication, multimedia systems, medical imaging, telemedicine, military communication.

Program : Computer Engineering

Project Title : VoteBlock

Domain : Security



Name of Project Guide : Er. Gauri Bobade

Name of Students :
19203A0053 -Viraj Salvi
19203A0060-Owais Ansari
19203A0041-Surya Nadar
20203A1008-Srinivas Godihall

Brief idea of project:

VoteBlock is website for conducting secure and decentralized voting. VoteBlock uses Blockchain technology to be specific it uses Ethereum as token to vote through the system. As blockchain are decentralized and open to all so it has no possibility to be hacked or manipulated.

Screenshots of the Project



Applications:

- It can be used for election

Program : Computer Engineering

Project Title : Blockchain Based Feedback System

Domain : Security



Name of Project Guide : Er. Sudhir Lawand

Name of Students : 20203B1001-Milind Chavan

20203B1002-Harshvardhan Gupta

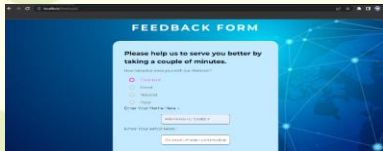
20203B1003-Priyanshu Dubey

20203B1004-Aman Jaiswal

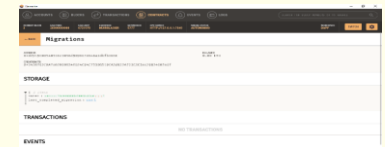
Brief idea of project:

Feedback is essential to guide and inform your decision making and influence innovations and changes to your product or service. To increase the feedback security of the user we are decided to work on the Blockchain based feedback system. There is a much more feedback system products are available on Internet but no one is non hackable. The blockchain based feedback system is a nearly non hackable and the Data security of the user much more secure than the other Feedback product.

Screenshots of the Project



Name	Email	Phone	Feedback	Response
Harshvardhan Gupta	harshvardhan.gupta@nitrr.ac.in	9890000000	Good	Not Reply
Milind Chavan	milindchavan123@gmail.com	9890000000	Good	Not Reply
Aman Jaiswal	amanjaiswal123@gmail.com	9890000000	Good	Not Reply
Priyanshu Dubey	priyanshudubey123@gmail.com	9890000000	Good	Not Reply
Sudhir Lawand	sudhirlawand123@gmail.com	9890000000	Good	Not Reply
Harshvardhan Gupta	harshvardhan.gupta@nitrr.ac.in	9890000000	Good	Not Reply
Milind Chavan	milindchavan123@gmail.com	9890000000	Good	Not Reply
Aman Jaiswal	amanjaiswal123@gmail.com	9890000000	Good	Not Reply
Priyanshu Dubey	priyanshudubey123@gmail.com	9890000000	Good	Not Reply
Sudhir Lawand	sudhirlawand123@gmail.com	9890000000	Good	Not Reply



Applications:

- The Blockchain technology based feedback system is used to get the feedback from user without involving third party.
- The User feedback is unchangeable and even the admin also cannot change the feedback so user feel more secure.

Program : Computer Engineering

Project Title : Currency Detector

Domain : Image Processing



Name of Project Guide : Er. Sheetal Shelar

Name of Students :
20203C1004 – Vedant Adivarekar
20203C1003 – Divya Ekhare
20203C1008 – Pawan Singh

Brief idea of project:

This paper refers to the problems that arise in everyday life, where most people still have problems in distinguishing between real money or fake money, especially blind persons & illiterate people. An Android mobile phone is used to process the data that is captured by the sensor. An Android mobile phone is used to process data sent by the sensor, then the data is converted into histograms and compared with a sample using a sample.

Screenshots of the Project



Applications:

- Medical field
- Video processing

Program : Computer Engineering

Project Title : 3D Facial Reconstruction Using the Skull of A Deceased Person

Domain : Image Processing



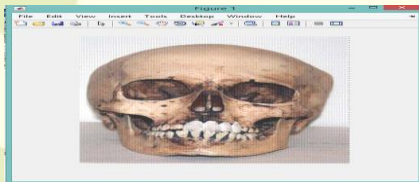
Name of Project Guide : Er. Vijay Patil

Name of Student : 19203C0025 – Amey Singh

Brief idea of project:

The project code generates a 3D facial model from a 2D skull image of a deceased person using MATLAB. The reconstruction of the face model is done using facial feature and age estimation techniques. Principle Component analysis (PCA) is used as the major feature extraction technique.

Screenshots of the Project



Applications:

- Can be used by Crime Bureau for criminal investigation
- Can be used by Forensics department for investigation of missing deceased person

Final Year Project Committee

Program: Computer Engineering



Er. Vijay T. Patil
(Head, Department of Computer Engineering)



Er. Sudhir Lawand
(Project Coordinator, Department of Computer Engineering)