

**VP** | Vidyalankar  
Polytechnic

# V-Ideas

**Program: Computer Engineering**  
(NBA Accredited)

**2019-2020**

Accredited By: National Board of Accreditation, New Delhi



# 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.

# 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 2020

*"All of us do not have equal talent. But , all of us have an equal opportunity to develop our talents." - A.P.J Abdul Kalam*

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

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

As a part of curriculum, students of diploma undertake a project related to their field and demonstrate the knowledge and skills gained on the subject of their choice. Students also take industry based projects for better and live exposure with the industry. The projects selected by the panel of experts are 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**

- Developing technical skills by explaining the rationale behind learning.
- Developing interpersonal skills to serve the society in the best possible manner.
- Creating awareness about the ever changing professional practices to build industrial adaptability.

# *Program Educational Objectives*

**PEO1:** To empower the students to apply their knowledge of various domains and cultivate a habit of life-long learning in them.

**PEO2:** To develop the students' overall personality and thereby encourage just social behavior in the students.

**PEO3:** To provide exposure to the industrial environment so as to keep them abreast with new trends.



# *Program Outcomes*

**PO1: Basic knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Computer engineering problem.

**PO2: Discipline knowledge:** Apply Computer engineering discipline - specific knowledge to solve core computer engineering related problems.

**PO3: Experiments and practice:** Plan to perform experiments and practices to use the results to solve broad-based Computer engineering problems.

**PO4: Engineering tools:** Apply relevant Computer technologies and tools with an understanding of the limitations.

# *Program Outcomes*

**PO5: The engineer and society:** Assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to practice in field of Computer engineering.

**PO6: Environment and sustainability:** Apply Computer engineering solutions also for sustainable development practices in societal and environmental contexts and demonstrate the knowledge and need for sustainable development.

**PO7: Ethics:** Apply ethical principles for commitment to professional ethics, responsibilities and norms of the practice also in the field of Computer engineering.

## *Program Outcomes*

**PO8: Individual and team work:** Function effectively as a leader and team member in diverse/ multidisciplinary teams.

**PO9: Communication:** Communicate effectively in oral and written form.

**PO10: Life-long learning:** Engage in independent and life-long learning activities in the context of technological changes in the Computer engineering field and allied industry.

## *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	Vehicle Detection System	1
		CO1.2	Smart Supermarket	2
		CO1.3	IOT Based Wireless Attendance System	3
		CO1.4	Wearable Test Bench Using Raspberry Pi	4
CO2	Web Applications	CO2.1	B.E.S.T Parking System	5
		CO2.2	Tech Forum	6
		CO2.3	On Road Vehicle Roadside Assistance	7
		CO2.4	Project Tracking System	8
		CO2.5	E-manual	9
		CO2.6	Predictive Analysis Of Medicines And Doctors Availability In Hospital	10
		CO2.7	Medical Infrastructure Management By Scheduling Visits And Online Access	11
		CO2.8	Intelligent Tourist Management System	12
		CO2.9	Committee Booklet	13
		CO2.10	Doctor Patient Portal	14
		CO2.11	Pothole Detection System	15
		CO2.12	Virtual Programing Lab	16

# Program: Computer Engineering

Area ID	Project Area	Project ID	Project Title	Page No.
CO2	Web Applications	CO2.13	E-grievance System	17
		CO2.14	Lawaider Using Web Application	18
		CO2.15	Shinde Shahi Spices Application	19
		CO2.16	Vehicle Service Management System	20
		CO2.17	Online Notice Board	21
		CO2.18	Online Feedback System	22
		CO2.19	Result Analyzer	23
		CO2.20	E-learning website	24
		CO2.21	Placement Cell Management System	25
		CO2.22	Appraisal Form	26
		CO2.23	Staff Diary	27
		CO2.24	Vidyalankar Polytechnic Administrator	28
		CO2.25	Technical Head Prediction	29
CO3	Mobile Applications	CO3.1	All In One App	30
		CO3.2	Application For Speedglobal Telecom Network	31
		CO3.3	B.E.S.T. Parking Management System	32

# Program: Computer Engineering

Area ID	Project Area	Project ID	Project Title	Page No.		
CO3	Mobile Applications	CO3.4	College Grievance Redressal System	33		
		CO3.5	Vstudy – Vidyalankar Workshop Registration Portal	34		
		CO3.6	Farmeasy Development Using Android Studio	35		
		CO3.7	RMS Connect	36		
		CO3.8	Vp's DIGI LOCKER	37		
		CO3.9	Scrapapp	38		
		CO3.10	Ar-pc_build	39		
		CO3.11	VP Share App	40		
		CO3.12	V-Lecture Application	41		
		CO3.13	Recruitment Application Form	42		
		CO4	Security	CO4.1	Encryption And Decryption Of A Website For Security	43
				CO4.2	Vulnerabilities In Complex Encryption Algorithms	44
		CO5	Artificial Intelligence	CO5.1	Vidyalankar Chat Bot	45

# Program : Computer Engineering

**Project Title** : Vehicle Detection System

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



**Name of Project Guide** : Ms. Sonal Gupta

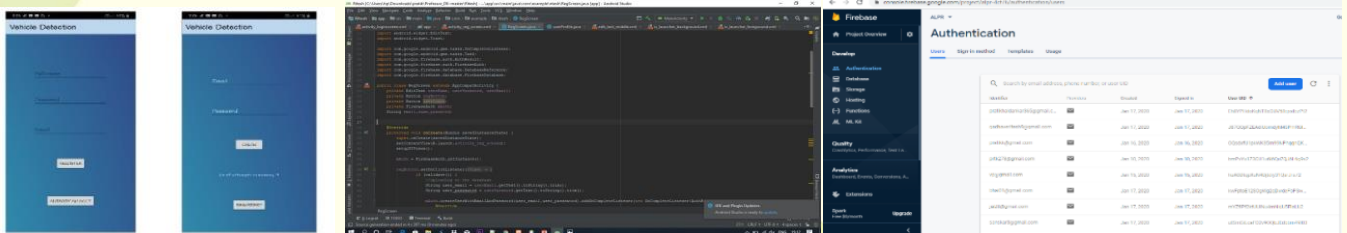
**Name of Students** : Pratik Kadulkar

Ritesh Gavade

Pratik Haldankar

**Brief idea of Project:** Vehicle Detection technology is used to help detect, deter and disrupt criminality at a local, force, regional and national level, including tackling travelling criminals, Organized Crime etc. it is therefore the underlying technology used to detect a vehicle and it, in turn, supplies this information to a next stage of computer processing through which the information can be interpreted, stored or matched to create an sensor based application.

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



**Applications:**

1. Traffic Management
2. Retail Park Security



# Program : Computer Engineering

**Project Title** : Smart Supermarket

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



**Name of Project Guide** : Ms. Anjali Gharat

**Name of Students** : Ali Kazi

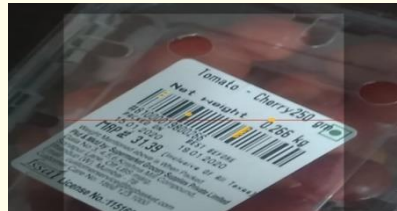
Anas Ansari

Sujal Hammad

Praful Patil

**Brief idea of Project:** Smart supermarket is fully based on Internet of things, Machine Learning. This project aims to develop a product which provide new kind of store with no checkout required. This project also will speed up the customers' purchase process. With our Just Walk Out Shopping experience, simply use the app to enter the store, take the products you want, and go! No lines, no checkout.

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



**Applications:-**

1. In a Small Departmental Store
2. In a established Supermarket

# Program : Computer Engineering

**Project Title** : IOT Based Wireless Attendance System

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



**Name of Project Guide** : Ms. Sheetal Shelar

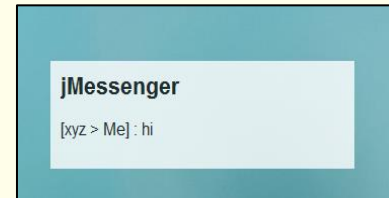
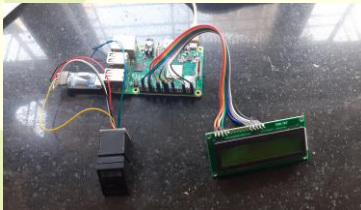
**Name of Students** : Ashish Karambe

Mayuresh Ovhal

Prathamesh Avhad

**Brief idea of Project:** Wireless fingerprint attendance system is a device that has at least one fingerprint scanner and a computer server. In wireless fingerprint attendance system, the fingerprint scanner captures the picture of finger pattern from an individual and some related information and stores it as a template. One copy of template is stored in the computer server and the other copy in the scanner itself.

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



**Applications:**

1. Colleges
2. Companies

# Program : Computer Engineering

**Project Title** : Wearable Test Bench using Raspberry Pi

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



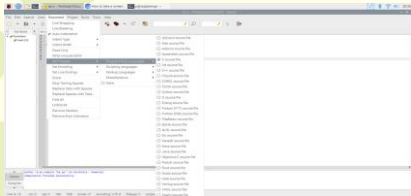
**Name of Project Guide** : Ms. Sonal Gupta

**Name of Students** : Aiman Ansari

Bhumi Avhad

**Brief idea of Project** : Wearable devices are now at the heart of just about every discussion related to the Internet of Things (IoT). The Internet of Things (IoT) is an emerging paradigm for the range of new capabilities brought about by pervasive connectivity. The users would also be able to interact with the system using a wireless keyboard and mouse via Bluetooth in Raspberry Pi.

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



**Applications:**

1. Portable Linux computer
2. Work from anywhere
3. Supports 50+ programming languages

# Program : Computer Engineering

Project Title : B.E.S.T Parking System

Domain (Area of Project) : Web Application

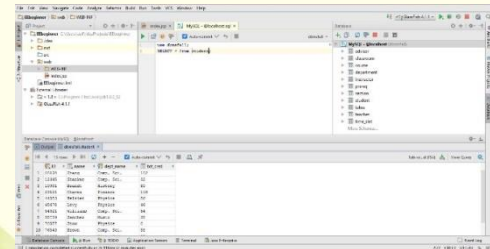
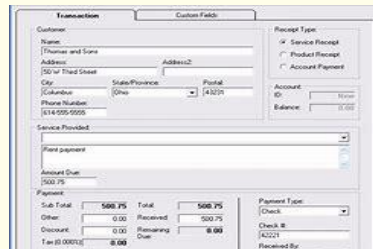


Name of Project Guide : Ms. Supriya Kadam.

Name of Students : Pradnya Jadhav.  
Samiksha Lavhate.  
Yash Keswani.  
Sanskar Chavri.

**Brief idea of Project:** The application will provide real-time information about the parking slots available, it will display the users who are parked and also the ones who are due to pay, it will create a token for each vehicle that is registered into the application that will have all the information related to the vehicle in it. This token is the backbone of the application.

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



**Applications:** It can be used to maintain parking spaces present in the co operative complexes and other government organization etc.

# Program : Computer Engineering

**Project Title** : Tech Forum

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



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

**Name of Students** : Nisarg Padte

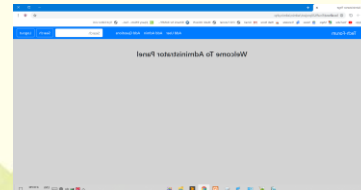
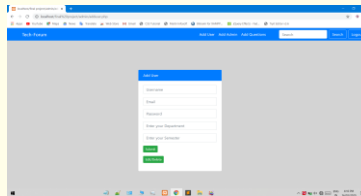
Rhishikesh Chaughule

Siddhesh Pednekar

Omkar Naik

**Brief idea of Project:** Tech Forum is a site exclusive for the college will be created whereby students from the college would be able to socialize and share their knowledge. Also, it would be a hub to share information about all the ongoing activities in the college campus. This project aims to develop a module which provides communication among faculties and students, which works quite similar to other forums like Microsoft.

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



**Applications:**

1. Company
2. Colleges

# Program : Computer Engineering

**Project Title** : On Road Vehicle Roadside Assistance

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

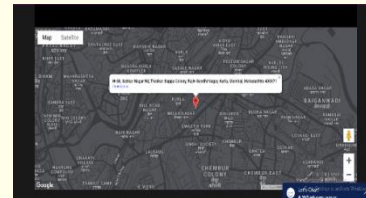


**Name of Project Guide** : Ms. Swati Ranade

**Name of Students** : Shriyash Sarang  
Amaan Chaudhary

**Brief idea of Project:** This On Road Vehicle Roadside Assistance system is a fully customized web application where company staff can view each customer order and give a solution to those vehicle problems. Admin handles and can access the user details.

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



**Applications:**

1. There is ease to access to the data such as locations of customers.
2. The new system is more user-friendly, reliable and flexible and lets you get assistance from anywhere.

# Program : Computer Engineering

**Project Title** : Project Tracking System

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



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

**Name of Students** : Aeraf Shaikh

Madhura Patil

Samih Shaikh

Aniket Gupta

**Brief idea of Project:** Academic project management is a major issue which is faced by many educational institutes, the main reason for this is there is no automated system followed in any institute. To overcome this practical problem and also to make the process easy we developed a Project Tracking System which is a secured intranet application that is useful for student and teacher.

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

Vidyalankar Polytechnic  
Approval System

Username  
prasad.khuyankar@vpt.edu.in

Your username

Password

Your password

Select User  
Administrator

Remember me  
(if this is a private computer)

Login

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Vidyalankar Polytechnic  
Approval System

Username  
prasad.khuyankar

Your username

Password

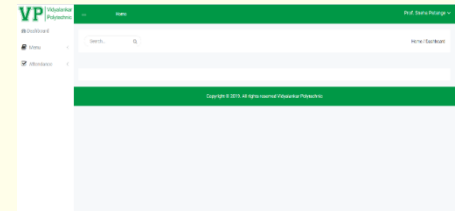
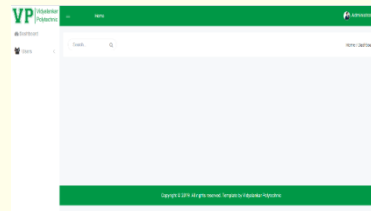
Your password

Select User  
Faculty

Remember me  
(if this is a private computer)

Login

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**Applications:**

It will be useful for all students related to Engineering, final year students of any stream etc.

# Program : Computer Engineering

**Project Title** : E-Manual

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

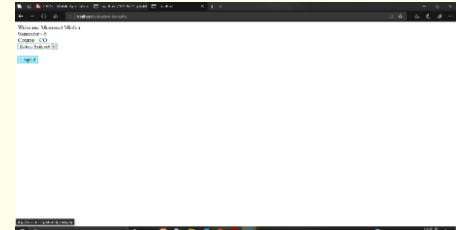
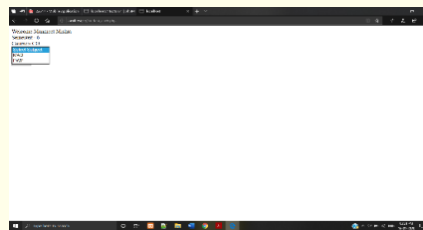
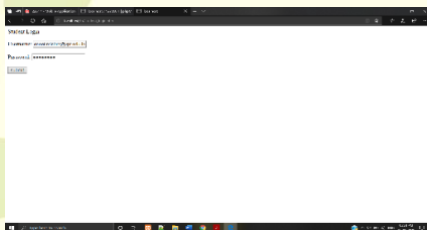


**Name of Project Guide** : Mr. Sudhir Lawand

**Name of Students** : Manmeet Mishra  
Avishkar Dalvi

**Brief idea of Project:** Our project E-Manual will reduce the cumbersome workload from the teachers as well as students. There will be no need for students and teacher to rush from here to there for manual checking. Teachers can check the students manual at his/her home at any time. If any student is absent for any reason on the submission date it will be good for that student to submit his/her manual.

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



**Applications:**

1. It will be used for diploma students to complete their manual online.
2. Teachers will be able to assess student's manual and give them marks using E-Manual.



# Program : Computer Engineering

**Project Title** : Predictive Analysis of Medicines and Doctors Availability in Hospital

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

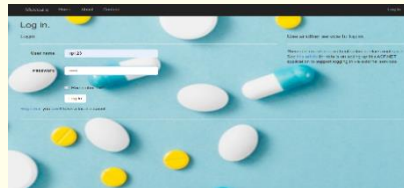


**Name of Project Guide** : Ms. Sonal Gupta

**Name of Students** : Saiprasad Khule  
Tejal Sanap

**Brief idea of Project:** It is used to predict the disease by the help of symptoms and to book appointment and locate the address within seconds.

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



**Applications:**

1. It can be used for booking appointment by sitting at your home
2. Instantly diagnosing your symptoms

# Program : Computer Engineering

**Project Title** : Medical Infrastructure Management By Scheduling Visits and Online Access.

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



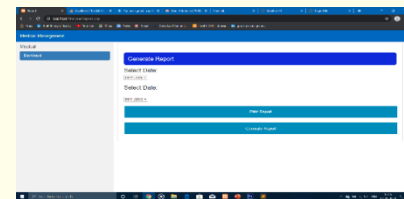
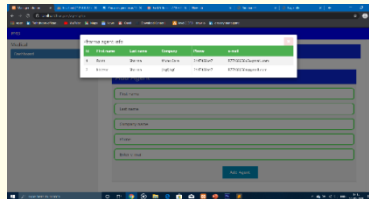
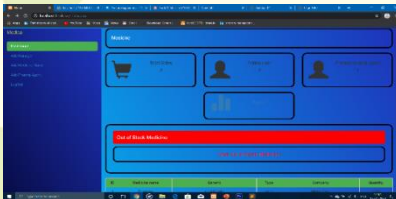
**Name of Project Guide** : Mr. Vijay Patil

**Name of Students** : Khizar Solkar

Rohit Sharma

**Brief idea of Project:** It is used to manage the bill generation, checking the availability of the medicine and also to keep the track of sale by generating daily report and request a medicine if gets out of stock

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



**Applications:**

1. Used to maintain amount of medicine available in Store.
2. Used to generate sales report so no need of doing any calculations.

# Program : Computer Engineering

**Project Title** : Intelligent Tourist Management System

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



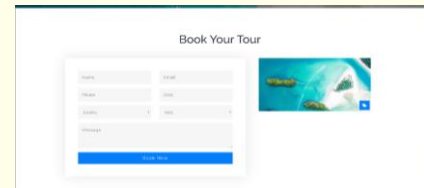
**Name of Project Guide** : Ms. Manisha Pokharkar

**Name of Students** : Shubham Palande

Naval Singh

**Brief idea of Project:** Today's extremely exhausting work environment dictates that individuals requires some joyful holiday. The website will provides a stress-free joyful refreshing holidays with cost competitive and customized packages according to their requirements.

## Screenshots of the Project :



**Applications:** The Tours Travel Management System is an application will help in maintaining the operations performed related to sight-seeing and travelling. Most of the people in this world like to travel from one place to another no matter whether it is a small or large distance. Some people like to travel by train, flight, bus or by any other means of transport. The tours travel management system application is designed for the travel agency in which there is an option of doing the railway or air ticket reservation in order to reach the intended destination. The tours travel management system application is one of the applications that will help the customers to book the air ticket or the railway tickets through this application of the travel agency.

# Program : Computer Engineering

**Project Title** : Committee Booklet

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

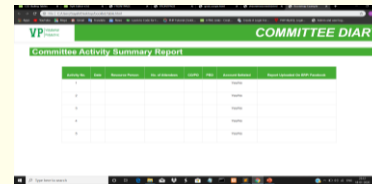


**Name of Project Guide** : Ms. Swati Ranade

**Name of Students** : Sayali Bamble  
Shaikh Ainiya

**Brief idea of Project:** Committee booklet provides a simple interface for maintenance of events related information. It tracks all the details of the events from the day one to the end of the course which can be used for all reporting, progress in the events, upcoming event details, all these will be available through a secure, online interface that is Vidyalankar Information Management System. Faculty can update, insert and delete information regarding the events.

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



**Applications:**

1. With our website, students can easily check the ongoing and upcoming event details.
2. Students and faculty can very easily use our website and records can be easily accessed and store and other information respectively.

# Program : Computer Engineering

**Project Title** : Doctor Patient Portal

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



**Name of Project Guide** : Mr. Sudhir Lawand

**Name of Student** : Vaishnavi Sawant

Anushka Lahane

Rahul Shewale

Aryan Garate

**Brief idea:** This portal serves a doctor-patient handling, managing system that helps the doctors, also the patients to book appointments and medical progress. The system will allow the doctor to manage their booking slots online, thus, allowing patients to book empty slots and those slots will be reserved in their name respectively. The system manages the appointment data for multiple doctors. Each time a user visits . the doctor, his/her medical entry is stored in the database, thus, making the user visible to view their entire medical history as and when needed.

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



**Applications:**

1. Hospitals
2. Clinics
3. Nursing Homes

# Program : Computer Engineering

**Project Title** : Pothole Detection System

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

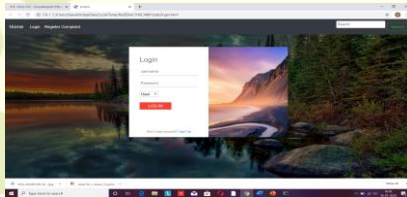


**Name of Project Guide** : Ms. Sayali Kadam

**Name of Students** : Rohan Mahadik  
Vinayak Kapale

**Brief idea of Project:** The objective of the project is to design a Pothole Detection System which helps the government to find potholes present on Indian roads easily. In this project the user plays very important role of providing images, video and also provide detailed information like exact address, exact GPS for tracking landmark of the potholes present on road and after the user provide information the admin takes action about the complaint given.

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



## Applications:-

1. It is user friendly.
2. Decrease accident ratio.

# Program : Computer Engineering

**Project Title** : Virtual Programming Lab

**Domain (Area of Project)** : Web Technology



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

**Name of Students** : Srushti Raut

Shraddha Kodi

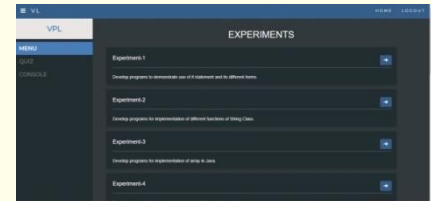
Gaurav Sidana

Rohit Rawool

## Brief idea of Project :

VPL-Virtual Programming Lab is the easy way to manage programming assignments. Its features of editing, running and evaluation of programs makes learning process for students, and the evaluation task for teachers, easier than ever. Virtual labs is a web development technology.

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



## Applications:

1. Enable to edit the programs source code in the browser.
2. Students can run interactively programs in the browser.
3. Students can test their knowledge through online quiz.

# Program : Computer Engineering

**Project Title** : e-Grievance System

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



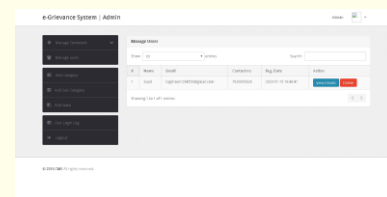
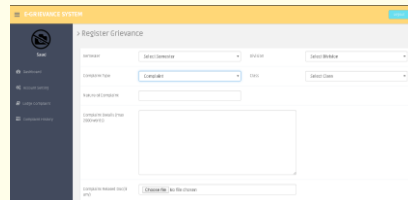
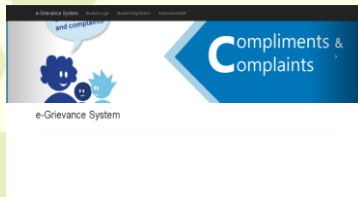
**Name of Project Guide** : Mr. Sudhir Lawand

**Name of Students** : Saad Khalfe

Sanika Vidhate

**Brief idea of Project:** Our solution is to create a web portal for e-Grievance System at Institute level which will escalate the student's grievance at next level if grievance not resolved. The proposed model for the student complaint management system will have ability to minimize student's dissatisfaction. Will try to improve the relationship between student and university by presenting the model of e-complaint web-based system.

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



## Applications:

1. The proposed model for the student complaint management system will have ability to minimize student's dissatisfaction.
2. The purpose of this project is to provide optimised solutions for the student grievances.



# Program : Computer Engineering

**Project Title** : LawAider using Web Application

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



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

**Name of Students** : Viraj Shinde

Sohail Jafri

Jayaprad Deo

Ritesh Waghela

**Brief idea of Project:** Our project will provide the interface between the lawyers and clients. The client will have to first register and provide valid personal details before proceeding further. Next the case page where he/she has to describe his/her case details and have to provide with valid documents. After validating the client details and case details our system will suggest the lawyers which suits their needs. Client can view the profile of lawyer and can request the lawyer for their service.

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



**Applications:**

1. Used to make appointments online.
2. Selection of Lawyer for the case of your choice.
3. Finding and Hiring the lawyer who is best suited to fulfill your needs.

# Program : Computer Engineering

**Project Title** : Shinde Shahi Spices Application

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



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

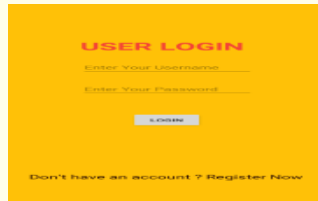
**Name of Students** : Shrutika Shinde

Dimpy Shah

Rutuja Deshmukh

**Brief idea of Project** : The main importance of making this project is to provide computerized integrated system for the Shinde Spices Store which will reduce the paper work. There will be two application one for the server and another for the client.

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



**Applications:**

This project will be used by the Shinde Shahi Spices Store or any Masala store, related aspects.

# Program : Computer Engineering

**Project Title** : Vehicle Service Management System

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



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

**Name of Students** : Fahad Balbale

Vedant Tandel

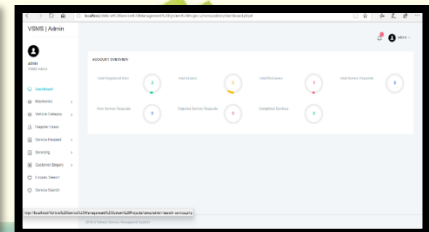
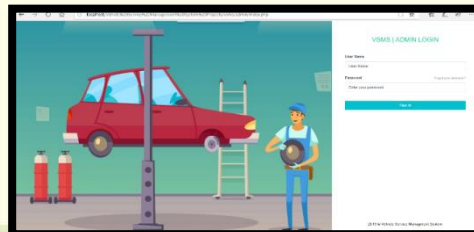
## Brief idea of Project :

- This system “Vehicle service management system (VSMS)” allows providing vehicle for service. If customer got any problem with his vehicle they are providing services
- The real power of this project lies not in direct selling of products, but in the creation of tighter relationships with customers and delivering of a high level of service and support, which in turn improves organization sales and its goodwill.

## Applications:

1. Admin can manage mechanics easily
2. Easy to apply for vehicle service
3. User can get any vehicle services enquiry easily

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



# Program : Computer Engineering

**Project Title** : Online Notice Board

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



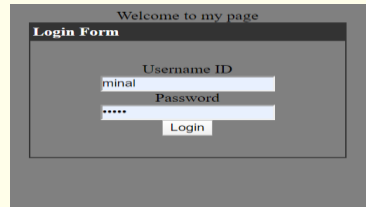
**Name of Project Guide** : Ms. Swati Ranade

**Name of Students** : Shrishti Singh  
Minal Salunkhe

## Brief idea of Project:

- 1.To make electronic notice board for schools which will display notices digitally on different screens.
- 2.To reduce the use of paper and human work.
- 3.To save time required for circulating notices manually.

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



## Applications:

1. Educational institutes , Large and small scale companies.
2. Can be used widely in large scale industries and businesses to save time and human work.

# Program : Computer Engineering

**Project Title** : Online Feedback System

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



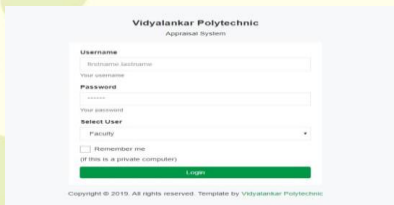
**Name of Project Guide** : Ms. Sneha Patange

**Name of Students** : Anil Sahu

Shraddha Mishra

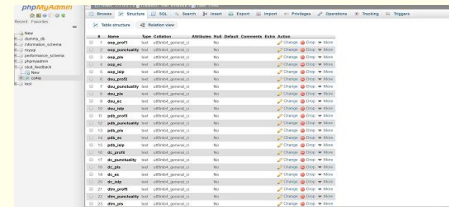
**Brief idea of Project:** For efficient and quality improvement of an educational institute, feedback plays a key role in it. With a proper feedback mechanism in place, the growth rate of an institute shows an upward movement. The feedback mechanism helps in catering the weaknesses and further strengthening the strengths. For a large Institute, it is impossible to manually manage a proper feedback system hence the need arises for an automated Feedback System.

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



Ranking for Semester 1 for New Batch 1 for Institutions, The Institute Satisfaction, If you did not follow ranking

Subject	Score of PUA	Particulars	Priority of Internal or External	Effective Communication	Improvement of Quality of Delivery
Electronics Programming using C++	100	100	100	100	100
Data Structure using C++	100	100	100	100	100
Principles of Mechanics	100	100	100	100	100
Basic Communication	100	100	100	100	100
Applied Mathematics & Measurement	100	100	100	100	100
Applied Mathematics & Technology	100	100	100	100	100



## Applications:

Online Feedback System is used to improve the quality of teaching-learning and institution facilities.

# Program : Computer Engineering

**Project Title** : Result Analyzer

**Domain (Area of Project)** : Web application



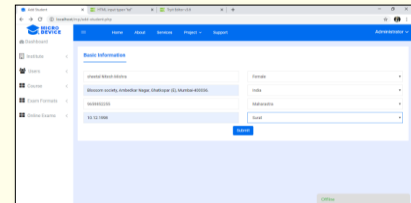
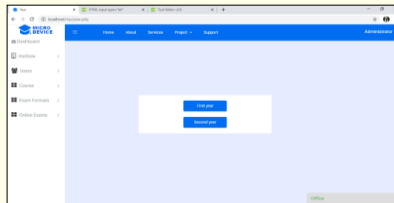
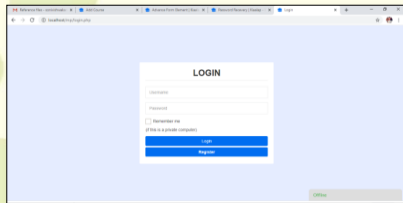
**Name of Project Guide** : Mr. Prasad Koyande

**Name of Students** : Afreen Jamadar

Soni Vishwakarma

**Brief idea of Project:** This project is about Result Analyzer. It is a web application which will fetch student information and their exam details. Earlier they used to maintain the student record by writing on paper manually which is time consuming and it takes lots of effort. This application will fetch the details in short time span. It will map the final result automatically and display the result as pass, fail and held.

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



**Applications:**

1. It can be used to fetch the student information and exam details
2. It can be used to calculate average and percentage to the student automatically.
3. It will automatically generate the final result.

# Program : Computer Engineering

**Project Title** : E-learning website

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



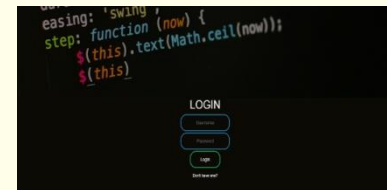
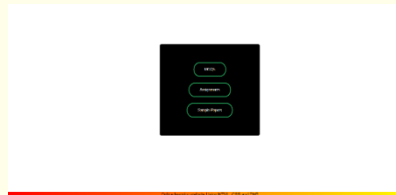
**Name of Project Guide** : Mr. Prasad Koyande

**Name of Students** : Mayur Sharma  
Shubham Khatu

## **Brief idea of Project :**

- You are able to link the various resources in several varying formats.
- It is a very efficient way of delivering courses online.
- Due to its convenience and flexibility, the resources are available from anywhere and at any time.

## **Screenshots of the Project / Photos of Working Model:**



## **Applications:**

- ELearning can reduce the costs of education.
- Using eLearning can increase productivity.
- ELearning is entertaining (most of the time).

# Program : Computer Engineering

**Project Title** : Placement Cell Management System

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



**Name of Project Guide** : Mr. Siddhesh Vaidya

**Name of Students** : Pradnya Ghorpade

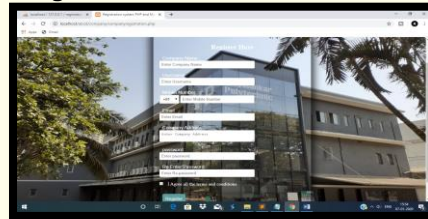
Shubham Thakur

Diksha Datir

Suraj Thakur

**Brief idea of Project** : To perform the activities related to placement services, the system's purpose is to design a system that provides functionalities. It is based on complete modular architecture this modularity of the architecture will allow us to replace or add modules in the future as a way to enhance a particular feature of particular situation. Placement Cell System is a System which allows the college and the companies to manage the student's information about campus recruitment

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



**Applications:**

- Placement cell site provides different categorized Job Opportunity.
- Facilitates open communication, leading to enhanced Job Information discovery and delivery.
- A Placement Cell site can be a good way to make connections with people with similar interests and goals.



# Program : Computer Engineering

**Project Title** : Appraisal Form

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



**Name of Project Guide** : Mr. Prasad Koyande

**Name of Students** : Tanmayi Indukuri

Latika Patil

## **Brief idea of Project :**

This project is about the Appraisal Form of our College Vidyalankar Polytechnic. It is a web application which helps the faculty to fill the form and attach the proofs for appraisal effortlessly.

## **Screenshots of the Project / Photos of Working Model :**

## **Applications:**

1. Can be used by all the Faculty to fill the forms.
2. Can be used by the Reporting Officer to give reviews.

# Program : Computer Engineering

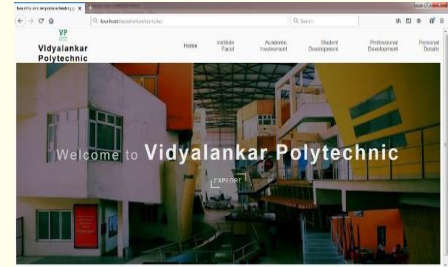
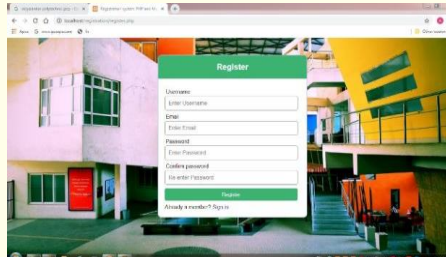
**Project Title** : Staff Diary  
**Domain (Area of Project)** : Web Application



**Name of Project Guide** : Ms. Manisha Pokharkar  
**Name of Students** : Sonali Goriwale  
Aishwarya Patankar  
Mohd Rayyan  
Suraj Sahani

**Brief idea of Project:** Staff Diary provides a simple interface for maintenance of Events related information. Staff Diary deals with all kind of event details such as upcoming events, venue, date, time. It tracks all the details of the events from the day one to the end of the course which can be used for all reporting, tracking of events, progress in the events, upcoming event details, all these will be available through a secure, online interface.

## Screenshots of the Project :



## Applications:

1. With our website, staff can easily maintain their information
2. Staff can very easily use our website and records can be easily accessed and store and other information respectively.

# Program : Computer Engineering

**Project Title** : Vidyalankar Polytechnic Administrator

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



**Name of Project Guide** : Ms. Sonal Gupta

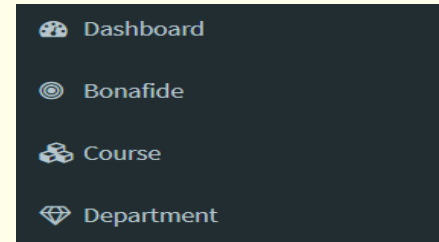
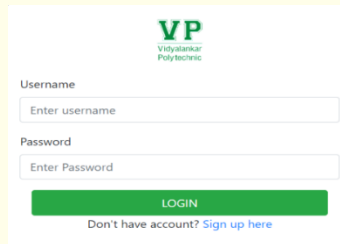
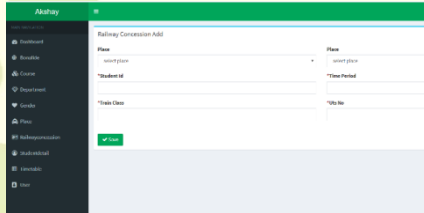
**Name of Students** : Akshay Metry

Sarat Pradhan

Kirankumar Shaw

**Brief idea of Project:** VP Administration System provides one attractive environment where you can manipulate data and information about students and staff easily. Core purpose of designing this system is to manage the task related to the college students/employees and to reduce time .

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



**Applications:**

This system enables college to manage enrolment ,admissions ,students ,faculty ,scheduling of the institutions.

# Program : Computer Engineering

**Project Title** : Technical Head Prediction

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



**Name of Project Guide** : Ms. Poonam Pawar

**Name of Student** : Saisha Mahadik

Vaibhavi Nalawade

**Brief idea of Project** : This project implements a set of techniques for Institute's Technical Department, so as to make a best selection for Technical Head Position. We have implemented a set of techniques based on different sets of questions as well. This system will focus not only on technical experience but also focuses on other aspects which are required for technical head position. Interested students should also give an online test which will be conducted on personality questions, technical questions as well as aptitude questions. Here each question is given points. After completing the online test, students can view their own test results. And finally, there will be a selection for the Technical Head position.

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



## Applications:

- It can be used in Technical Head Analysis
- It can be used in Colleges and Institutes for selection of Technical head.
- It can be used in many industries.

# Program : Computer Engineering

**Project Title** : All In One App (Canteen Management, Lost and Found, event Management )

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



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

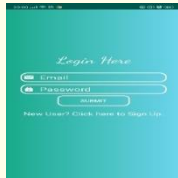
**Name of Students** : Ishaque Surya

Kaif Khan

## Brief idea of Project:

- All in one app is an Android application which will help in canteen management, event management, and lost and found.
- It can be used by our institute to let the people order food from canteen, maintain the records of the events, and manage lost and found department easily.

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



## Applications:

1. Canteen Management System can be used in Canteens in any place, such as Offices, Schools, Colleges, etc.
2. The Lost and Found System can be used in Schools, Colleges, Universities and Offices.
3. The Event Management System also can be used in Schools, Colleges, Universities and Offices

# Program : Computer Engineering

**Project Title** : Application for SpeedGlobal Telecom Network

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



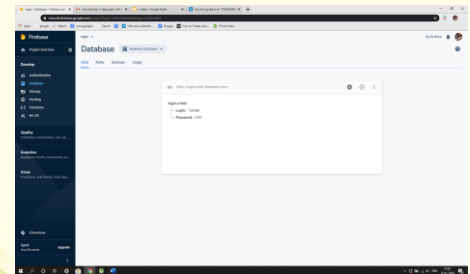
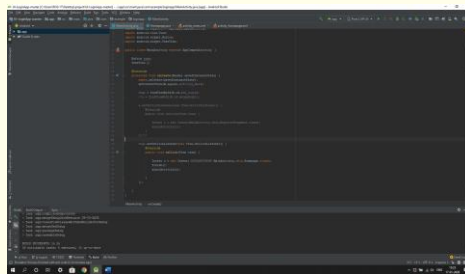
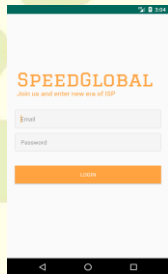
**Name of Project Guide:** Mr. Vijay T. Patil

**Name of Students** : Soham Chavan

Midhat Shaikh

**Brief idea of Project:** Speedglobal Telecom Network Pvt. Ltd. is an Internet Service Provider Company which provides internet among different parts of the country. This application is for the customers KYC forms which can be filled online. Updating the status and modification is further carried out by the admin. By registering for the network the customer creates an account in which he will be notified about the data usage limit he has used throughout the day and he also has the opportunity of changing and setting his Data Usage Limits so that he may get notified whenever the data limit is exceeded.

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



**Applications:**

1. It can be also be used by other ISPs for the same purpose.
2. It helps to keep accountability of the company.

# Program : Computer Engineering

**Project Title** : B.E.S.T. Parking Management System

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

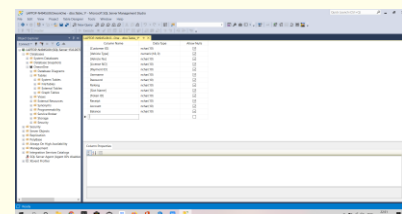
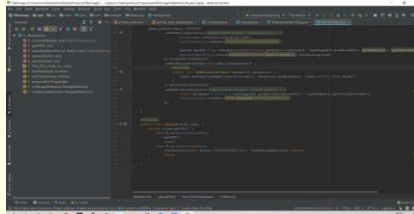


**Name of Project Guide** : Mr. Vijay Patil

**Name of Students** : Tirthesh Patil  
Shubham Bhosale  
Sanchit Jadhav  
Murtaza Sahiwala

**Brief idea of Project:** The B.E.S.T has multiple parking spaces across Mumbai and its adjacent districts. These parking spaces are used to park the buses as well as for the vehicles that are taken in by the B.M.C, M.C.G.M and R.T.O. The process of making note of the parked vehicles and the payment that is done to collect the vehicles is all man to man offline process.

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



## Applications:

The application has its major use at the B.E.S.T Office as it is the solution developed for their problem statement though there are elements of the application which can be implemented to suite any scale of parking space..

# Program : Computer Engineering

**Project Title** : College Grievance Redressal System

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



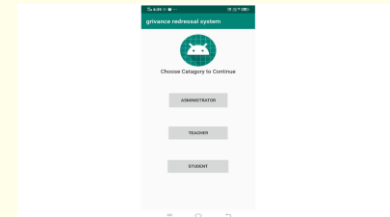
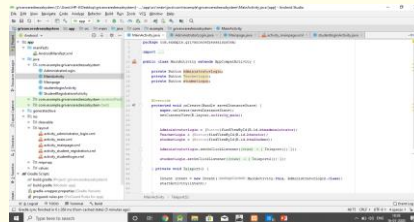
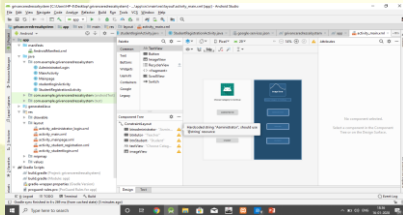
**Name of Project Guide** : Ms. Sayali Kadam

**Name of Students** : Kaustubh Anand Dinde  
Arif Khan

## Brief idea of Project:

Grievance Redressal System is a mechanism commonly used to receive and act on complaints or grievances reported by stakeholders of private or public institutions, enabling prompt actions on any issue raised by them and to avail services more effectively.

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



## Applications:

1. Direct Complaining against any student/faculty for Misbehaviour, Ragging etc.
2. Avoid human mistakes.
3. Eliminates the need for the time-consuming process of manually complaining.



# Program : Computer Engineering

**Project Title** : Vstudy – Vidyalkar Workshop Registration Portal

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



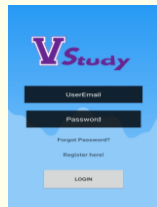
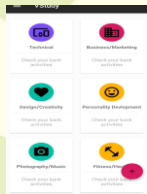
**Name of Project Guide** : Ms. Poonam Powar

**Name of Students** : Noaman I. Kaysingwala

Vedant P.Prabhu

**Brief idea of Project:** A Android application & Web Application that helps to register various workshop happening all around the campus in an ease without having to search for any workshop or browsing through different links for registration. That there has been some extra ordinary and breath-taking workshop happening around our college. Everywhere huge posters have been placed but the issue was for registration any of this workshop of our choice we have to visit their short links and enter our information. By using Vstudy you can overcome all this short comes

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



**Applications:**

1. Easy Workshop Registration
2. Easy access to any workshop/Events
3. Small Events can also be listed

# Program : Computer Engineering

**Project Title** : FarmEasy development using Android studio

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



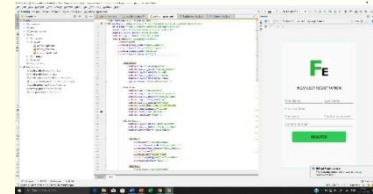
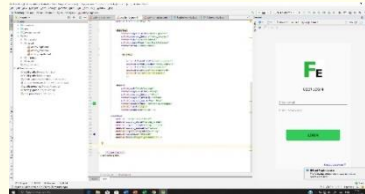
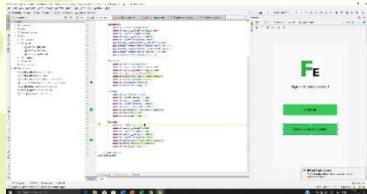
**Name of Project Guide** : Ms. Supriya Angne

**Name of Students** : Abhishek Waje

Vinayak Shirke

**Brief idea of Project** :Our Project will provide the interface between the lender and Farmer. The Farmer will have to first create an account and login and proceed further. Then Farmer will have to search for desired equipment's. When the desired product is found then the farmer can compare the price and product with other products which are available on our app. After that farmer will require about the product condition and pricing. After accepting the terms and conditions farmer will initiate request to borrow the product for hourly basis.

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



**Applications:**

1. It is related to lending farming equipment's.
2. This application will provide the interface between the lender and Farmer.
3. his application will help those who are not comfortable to deal with unknown persons.

# Program : Computer Engineering

**Project Title** : RMS Connect

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



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

**Name of Students** : Atharva Sawant

Swarang Haldankar

Sairaj Thorat

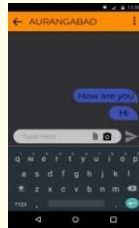
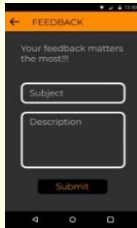
Ajinkya Shinde

Sameep Sawant

## **Brief idea of Project :**

RMS Connect provides a chatting system for the employees of the company on one platform/group which will help them save their time and be productive in their daily work. It also provides a GPS tracking system for the admins of the company to track the field employees of the company. It has referral based recruitment system which will reward the employee when he refers and onboard someone for job. Feedback system is also provided to employees to rate company and give some suggestions.

## **Screenshots of the Project / Photos of Working Model :**



## **Applications:**

- Brings all the people related to the company on one platform.
- Heads of the company can get daily updates of the employees work.
- Employees are free to give their feedback anytime which helps the company to function better.
- Heads are able to keep track of the field workers.

# Program : Computer Engineering

**Project Title** : VP's DIGI LOCKER

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



**Name of Project Guide** : Ms. Supriya Kadam

**Name of Students** : Sonali Nhayade

Kirti Khandagale

**Brief idea of Project:** The Digital Locker is an application in which the file storing makes it very efficient and reliable as we don't have to carry each and every document with us every time. Uploading it to any server is a risk and keep in our phone is also dangerous. Therefore, we developed a system that saves the uploaded document in an encrypted form and store it in internal memory.

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



**Applications:**

1. Secure students personal documents.
2. No need to carry hard copies of documents.

# Program : Computer Engineering

**Project Title** : ScrapApp

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



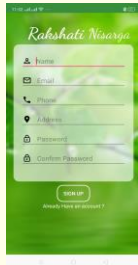
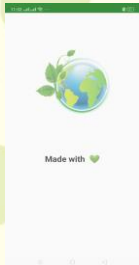
**Name of Project Guide** : Ms. Sangeeta Shirsat

**Name of Students** : Snehal Phadatare

Vaishnavi Kadam

**Brief idea of Project:** Our application serves a purpose of collecting the scrap that you will sell online to keep your homeland clean and in return as a technology friendly creative touch we give to erode away scrap from your home in exchange of some valuable cash and exciting gift vouchers which can be accessed through any devices or gadgets resourced with our mobility & web solutions.

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



**Applications:** This application can be used at Home, Scrap Collection Centers and Companies.

# Program : Computer Engineering

**Project Title** : AR-PC\_BUILD

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



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

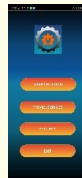
**Name Of Students** : Yash Pandhare

Tanmay Thakur

Mustufa Khan

**Brief idea of Project:** The normal users do not have enough knowledge of the components required for a new pc build as it takes a lot of experience so to overcome this problem we are developing an app with the functionality of Augmented Reality for better view and feature checking the compatibility of the selected components that can help a user with few to none experience of the computer components.

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



## Applications:

1. It can be used for build a PC using a simulation before actual build.
2. It can be used to check compatibility of different components with different configurations.
3. Latest technology updates can be achieved.

# Program : Computer Engineering

Project Title : VP Share App

Domain (Area of Project) : Mobile Application



Name of Project Guide : Mr. Anjum Mujawar

Name of Students : Ritesh Gupta

Faizan Shaikh

Akshay Jadhav

Tanish Mohanty

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

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



## Applications:

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

# Program : Computer Engineering

**Project Title** : V-Lecture Application

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



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

**Name of Students** : Sahil Utekar

Ganesh Narvekar

**Brief idea of Project:** Video lectures are more useful now a days to make learning easier. Our video recording setup aims to capture and edit videos easily and in less time. Creation of video lectures is a teaching learning process to students. Also creation of an app through which students can view video lectures at any time.

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



**Applications:**

1. Easy video lecture capturing
2. Combining videos with clear Audio.
3. Making the videos available through an android application .



# Program : Computer Engineering

**Project Title** : Recruitment Application Form

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



**Name of Project Guide** : Mr. Prasad Koyande

**Name of Students** : Sharon Ganta.

Payal Chavan

Manjusha Kamble

Saloni Kharat

**Brief idea of Project:** Recruitment is a process of finding and attracting the potential resources for filling up the vacant positions in an organization. Recruitment process is a process of identifying the jobs vacancy, analysing the job requirements, reviewing applications, screening, shortlisting and selecting the right candidate. The organization shortlist the applicants for the interview. The shortlisted applicants undergo through a process of Test and Interview. This also reduces the time consumption for both for the job seeker and organization.

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



**Applications:**

Can be used by all people who seek for jobs

# Program : Computer Engineering

**Project Title** : Encryption and decryption of a website for security

**Domain (Area of Project)** : Security



**Name of Project Guide** : Mr. Siddhesh vaidya

**Name of Students** : Rutuja Khilari

Balraj singh

**Brief description of project:** This project will help in building a website but also will provide lot of information on how to secure a website from black hat hacker, This pentester is an ideal solution to secure any website.

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



**Applications:**

To enhance security of the data



# Program : Computer Engineering

**Project Title** : Vidyalankar chat bot

**Domain (Area of Project)** : Android Artificial Intelligence



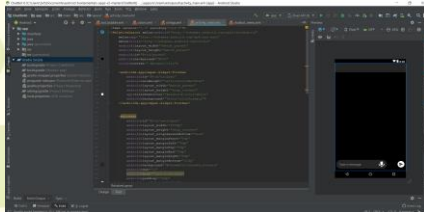
**Name of Project Guide** : Ms. Sonal Gupta

**Name of Students** : Siddharth Challiyil

Praveen Vemula

**Brief idea of Project:** We have designed a bot for the Vidyalankar App which can take inputs through voice . The chatbot can make tasks simpler by letting us give commands through voice and giving the expected result in the shortest time.

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



**Applications:**

1. Makes tasks completion simpler using voice detection and friendly interface.
2. Can be integrated with other softwares.

*Final Year Project Committee*  
*Program: Computer Engineering*



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



**Ms. Sayali Kadam**  
(Project Coordinator)