Dr. J. J. Magdum Trust's (No. E/902)

Dr. J. J. Magdum College of Engineering, Jaysingpur

Department of Civil Engineering

List Projects Civil Engineering A.Y. 2022-23

Sr.No	Project Title	Students Nmae	Guide Name	Theme wise (Socially use /Industry real time Problems/College development Project/Laboratory development Project/Sponcered Project/Innovative Project)
1	Construction site Inspection by using Drone or UAV	Aditya D. Desai Sneha R.Chhachwak	Dr. D.B.Desai	Innovative
2	Use of Geosynthic materials in road construction	Suraj P. Tadse Girish S.dhale Netradeep M.Kamble Joe krosspathai Prathmesh R.Kamble	Dr. D.B.Desai	Social
3	Project Management in Construction by using primavera P6 Software	Prajali Jadhav Karuna Jagtap Bhagyashri Shinde Roshani Jadhwar Sayli Juvashi	Prof.A.S.Sajane	Industry
4	Manufacturing and Cost Analysis of Basalt	Sangeeta S.Birajdar Komal Subhash Patole Nishant P.Sankpal Rameshwari M. Kharat Praful Sarwade	Prof.A.S.Sajane	Industry
5	Performanace Study on Soil Stabilization Using Highly Valcanized Rubber Sheet	Suraj Uttaji Jadhav Sajid Ramjan Mullani Ajinkyaraj Prakash Raut SHAIKH SAAD AKIL Amit Dhanashre	Dr.J.S.Lambe	Laboratory
6	Recycling & reuse of construction waste for sustainable development	Sharad D.Mohite Rohit R.Amanna SHAIKH ABUBAKAR A. Anis Z.Mulla Shoheb Mulla	Dr.J.S.Lambe	Social
7	Utilization of Plastic Waste In Paving Blocks	Sagar Sunil Ingale Prathmesh P Patil Prakash R. Rode Gourang M. Suryawanshi Suraj P. Walekar	Prof.A.P.Chougule	Social
8	Develop a asset mapping for decentralised planning using geo-spatial techniques	Yogesh R.Hatekar Sujit Kamble Sainath Kamate Unmesh Shah	Prof.V.K.Wandre	Industry
9	Use of plastic in construction of Road	Awais s.Mulla Afsar A. Khatik Dhiraj T. Patil Shivam F. [illegible] Shubham S. [illegible]	Prof.A.P.Chougule	Social
10	Experimental study on use of fly ash in concrete	BHANDARI AARTI V. JAGATAP SONAM B. RAUT DHANASHREE M. SHINGADE DHANASHRI M WAGHMARE REVATI B.	Prof.S.P.Madnaik	Social
11	Design of Slope Stabilization scheme in existing landslide prone area	Asad [illegible] Pradyesh D.Dharpawar Vinayak k. Lokare Virbhadra S.Keshti Abdul H. Patel BADAGHAR ABBASALI J.	Prof.S.S.Khot	Laboratory

DR. J. J. MAGDUM COLLEGE OF ENGINEERING * JAYSINGPUR *

12	Biodegradable Material Management in JJMCOE Campus	KAMBLE DEEKSHANT P. KHALIPHA SOHEL S. PAWAR TEJASH S. WAGHMARE DHRUV V.	Prof.D.A.Latte	College
13	Experimental Analysis of strength of fibre Reinforced M20 Grade Concrete	Onkar Dhenge Ashitosh Kadgaonkar Vijay Powar Sopan Jadhav Srushthi R.Deshpande	Prof.K.G.Ghodake	Laboratory
14	Use of plastic aggregate in concrete	Mayur B. AWALE Vishnu D.biradar Satyajeet D.chawan Milind P.Desai Anik R.Madane	Prof.K.G.Ghodake	Social
15	Study of Pervious concrete	KHALIPHA MUHAMMADZAID A MANE VRUSHALI MAHESH MIRZA FIJA ISMAIL MOMIN NAMIRA SHARIF Chaitanya S.Tandole	Prof.S.P.Madnaik	Social
16	Experimental study of retrofitting and re-strengthening of RCC structure	Badrinath M.Donawade Chintamani A. Khangutkar Manthan C. Kothale Shashikant A. Mali Sourabh R. Medsinge	Prof.V.K.Wandre	Laboratory
17	Fiber Reinforced Autoclaved Aerated Concrete (AAC) Block	Raju Gurappa Kengar Sushant Dattatray Thorbole Pranav Vijay Kale Rajesh Ningonda Patil Mayur Sanjay Waghmare	Prof.S.V.Mane	Social
18	Manufacturing of Concrete block by using silica fumes	JAGADALE NITIN B. GADEKAR VINAYAK D. MANE POONAM S. NANGURE APARANA A. AJETRAO MAHADEV M.	Prof.V.A.Patil	Social
19	Brick Manufacturing using Plastic Waste & fly ash	CHOUGULE SUDARSHAN M. SAWANT MAHESH B. DESAI APOORV A. NADAF MOIEN M. SOUDAGAR MAAZ S.	Prof.S.S.Khot	Social
20	Flood Disaster Management	CHOUGULE ANMOL VIJAY Jamdade Swapnil Sunil MAGDUM SAMMED VINOD PATIL RAJESH NINGONDA PATIL Saurabh Sanajay	Prof.D.A.Latte	Social

Dr. J. J. Magdum Trust's
Dr. J. J. Magdum College of Engineering,
Jaysingpur - 416 101

CERTIFICATE

This is to certify that, the following group of students have satisfactorily completed the project entitled **"DESIGN AND DEVELOPMENT OF CHAIN LINK FENCING MACHINE"** in partial fulfillment for the award of **Bachelor of Engineering/Technology Degree** in **Mechanical Engineering** by Shivaji University, Kolhapur for 2022 - 23

Mr. Mohan Manohar Patil

Mr. Suresh Gurubala Koli

Mr. Ashish Balasaheb Kharat

Guide

Prof. M.V Kharade

Dr. J.J.Magdum College of Engg. Department of Mechanical Engineering

Head,

Dept. of Mechanical Engineering

Principal

09.6.2023

External Examiner

ABSTRACT

A chain-link fence (also known as wire netting, wire-mesh fence, chain-wire fence, diamond-mesh fence) is a type of woven fence usually made from wire. The wires run vertically and are bent into a zig-zag pattern so that each "zig" looks with the wire immediately on one side and each "zag" with the wire immediately on the other. This forms the characteristic diamond pattern seen in this type of fence. The manufacturing of chain-link fencing is called weaving. A metal wire is pulled along a rotating long and flat blade, thus creating a somewhat flattened spiral. The spiral continues to rotate past the blade and winds its way through the previous spiral that is already part of the fence. When the spiral reaches the far end of the fence, the spiral is cut near the blade. Next, the spiral is pressed flat and the entire fence is moved up, ready for the next cycle. The end of every second spiral overlaps the end of every first spiral. The machine clamps both ends and gives them a few twists. This makes the links permanent.

In Rhein industries there are two chain link fence making machines. The semi-automatic machine has higher production rate, but it is heavy in a weight and there are more number of drives. In semi-automatic machine the frequency of disoperation is more.

The machines consist of three electric motors of 3 HP each. The drive is provided with the help of belt and pulley. The arrangement of wire feeding is provided with the machine Also it consist of die for wire bending ,on periphery of die grooves are provided in order to facilate proper bending of a wire.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering,
Jaysingpur.

CERTIFICATE

This is to certify that,

Sangeeta Suresh Birajdar	02
Rameshwari Mahadev Kharat	21
Komal Subhash Patole	31
Nishant Prafulla Sankpal	34
Praful Mahesh Sarwade	38

have satisfactorily completed the Project work entitled **"Cracks In Construction-Causes, Repair, Prevention"** in partial fulfillment for award of **Bachelor of Technology** Degree in **Civil Engineering** by Shivaji University, Kolhapur in Academic Year-2022-23

Project Guide
Prof. A.S.Sajane

Head
Department of civil engineering

External Examiner

Dr. Mrs. S.B.Patil
Principal

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Dr. J. J. Magdum Trust's
Dr. J. J. Magdum College of Engineering,
Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, **Miss. Pranjali Prakash Jadhav, Miss.Roshni Angad Jadhwar, Miss. Karuna Prakash Jagtap, Miss. Sayali Santosh Joyashi & Miss. Bhagyashri Rajendra Shinde** has satisfactorily completed the project work entitled "Project Management in Construction By Using Primavera P6 Software" in partialfulfillment for award of **Bachelor of Technology** Degree in **Civil Engineering** by Shivaji University, Kolhapur.

Project Guide
Prof. A. S. Sajane

Head of Civil Engg. Department
Dr. J. S. Lambe

Principal
Dr. Prof. Patil S. B.

External Examiner

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Abstract

The construction industry is an integral and developing part of nation's infrastructure and industrial growth. In that construction sector construction manager has to deal with lots of challenges regarding time management and its limitations. Primavera P6 is one of the software which is used for the management of construction activities. In this project, we carried out planning, scheduling, controlling, resource allocation and time management by primavera p6 software for mivan construction.

Primavera software has been use because of it use for large projects and fives comparable and optimum project plans to stimulate the adjustments. The wide acceptance of this software, especially in industries of developing cities has made the project managers to easily handle the large projects effectively. Effective time planning, is very important in determining the success of any project, poor planning and controlling of project will causes delay. To overcome this time running problem analysis can be done by using the primavera p6 software. This software gives better quality of construction management process and easily understanding results.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering,
Jaysingpur.

CERTIFICATE

This is to certify that,

Sneha Rajkumar Chhachwale	03
Aditya Dadaso Desai	04
Snehal shivshant patil	09
Vivak Sanjaykumar Admuthe	10
Rushikesh Krishna Patil	11
Nishchay Pradip Bhokare	12

have satisfactorily completed the Project Work entitled **"Construction Site Inspection by using Drone or UAV"** in partial fulfillment for award of **Bachelor of Technology** Degree in **Civil Engineering** by Shivaji University, Kolhapur in Academic Year-2022-23

Dr. D. B. DESAI
Project Guide

Head
Dept. of Civil Engineering.

Dr. D. A. Nikam
Project Guide

Head
Dept. of Computer Science & Engineering.

External Examiner

Dr. Mrs. S. B. Patil
Principal

Abstract

The use of drones is steadily growing in many industries. Recent technological developments in many sectors are utilizing the fast-evolving scientific tools and implementing clever solutions to address pressing issues in the actual world.

One of the primary applications of drones is the planning and monitoring of construction and infrastructure development activities, where performance and speed can be greatly enhanced.

Our Construction Site Inspection by using Drone or UAV is based on organized real time data that is gathered using a variety of cutting-edge instruments, such as drone, sensors (photo/video camera, imaging camera, and sensors, etc. and by real time temperature, wind pressure, by checking environment level ground. We can detect road path, material storage, material quantity also.

Advanced software is used to analyze the data, enabling better operations, planning and adjusting. Obtaining the high-resolution pictures and videos requires a weekly, biweekly or preliminary information preparation of the construction of work progress control over and compliance monitoring for workplace safety and security.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering,
Jaysingpur.

CERTIFICATE

This is to certify that,

Sangeeta Suresh Birajdar	02
Rameshwari Mahadev Kharat	21
Komal Subhash Patole	31
Nishant Prafulla Sankpal	34
Praful Mahesh Sarwade	38

have satisfactorily completed the Project work entitled **"Cracks In Construction-Causes, Repair, Prevention"** in partial fulfillment for award of **Bachelor of Technology** Degree in **Civil Engineering** by Shivaji University, Kolhapur in Academic Year-2022-23

Project Guide
Prof. A.S.Sajane

Head
Department of civil engineering

External Examiner

Dr. Mrs. S.B.Patil
Principal

Abstract

Cracking is the most tough and confusing trouble for the engineers today. Many designers are seeking to take away the problems of cracking, however cracking is unavoidable reaction of any structure. Since cracks are the most commonplace kind of problem in homes. It is very necessary to understand the causes and remedial measures required to be undertaken for preventing cracks. Ascracks in various types of building structures cannot be removed absolutely but may be avoided and managed by using good enough materials which complements the properties of the shape and additionally adopting required adjustments in layout standards. Due to a few faulty designs and other unavoidable factors cracks begin growing on numerous structural and non- structural parts of the building. Hence, timely measures ought to be followed to save you and manipulate cracks and its formation.Not all of the cracks evolved are dangerous but there are some form of cracks which can be severely structurally unsafe. In this paper we will discuss approximately numerous troubles engineers are facing, why and how the cracks are fashioned? And how these cracks can be avoided and controlled.

Buildings fractures are by far the most prevalent fault in any construction. We want a home that would be both extremely durable and visually appealing, but that's not always achievable. Cracking is a common problem in concrete structures in real-life service conditions all over the world's. In fact, crack-free concrete structures are very rare to find in real world. Concrete can undergo early-age cracking depending on the mix composition, exposure environment, hydration rate, and curing conditions. Understanding the causes and consequences of cracking thoroughly is essential for selecting proper measures to resolve the early-age cracking problem in concrete. This paper will help to identify the major causes and consequences of the early-age cracking in concrete. Also, this paper will be useful to adopt effective remedial measures for reducing or eliminating the early-age cracking problem in concrete. Different types of early-age crack, the factors affecting the initiation and growth of early-age cracks, the causes of early-age cracking, and the modeling of early-age cracking are discussed in this paper. A number of examples for various early-age cracking problems of concrete found in different structural elements are also shown. Above all, some recommendations are given for minimizing the early-age cracking in concrete. It is hoped that the information conveyed in this paper will be beneficial to improve the service life of concrete structures.

Dr. J. J. Magdum College of Engineering,

Jaysingpur.416101

Department of Civil Engineering

CERTIFICATE

This is to certify that, Mr. Anis Zakir Mulla, has satisfactorily completed the project / entitled "RECYCLING AND REUSE OF CONSTRUCTION WASTE FOR SUSTAINABLE DEVELOPMENT" in partial fulfilment for the award of Bachelor of Technology Degree in Civil Engineering by Shivaji University, Kolhapur.

Mr. Anis Zakir Mulla

Mr. Abubakar Aslam Shaikh

Mr. Rohit Ravi Ammana

Mr. Sharad Dilip Mohite

Mr. Shoaib Shakil Mulla

Guide

Prof. J.S. Lambe

Head of Dept. of Civil Engg

Dr. J.S. Lambe

Principal

External Examiner

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

ABSTRACT

Construction industry produces large amount of waste throughout the year. Most of the time construction and demolition waste ends up in landfills disturbing environmental economical and social life cycle. Construction and demolition waste is the waste materials that are produced in the process of construction, renovation or demolition of residential or nonresidential structures. Components of construction and demolition waste typically include concrete, asphalt, wood, metals, gypsum wallboard, roofing, paper, plastic, drywall and glass.

Concrete is the second most consumed material after water, so recycling of concrete can save construction costs also it will help to keep environment healthy. Concrete collected from sites is put through crushing machine, usually uncontaminated concrete i.e. free from wood, plastic, paper and other unwanted materials. Metals such as rebar are removed with the help of magnets and other sorting devices.

In many countries like Japan, United States, United Kingdom various recycling techniques are being used and returning good results. Process of recycling construction and demolition waste includes storage, sorting, collection, transportation, recycling and disposing. Recycling methods used in Japan are heating and rubbing methods, eccentric-shaft rotor method and Mechanical grinding method.

Recycling of Construction and demolition waste has many benefits such as reduction in transportation cost, it keeps environment clean and reduces natural resource exploitation. To promote recycling and reuse of waste, awareness about its effects and benefits should be communicated with people, contractors, engineers and architects. More numbers of recycling plants should be installed and allowing the use of recycled aggregate instead of natural aggregate for some purpose.

Dr. J. J. Magdum Trust's
Dr. J. J. Magdum College of Engineering, Jaysingpur – 416101.

CERTIFICATE

This is to certify that,

Name of Students	Seat No
DEEKSHANT KAMBLE	**6497**
SOHEL KHALIPHA	**6500**
TEJASH PAWAR	**6542**
DHRUV WAGHMARE	**6477**
ABBASALI BADAGHAR	**6482**

has satisfactorily completed the project work entitled "**Biodegradable Material Management in Dr. J.J. Magdum College Of Engineering Campus**" in partial fulfillment for award of **Bachelor of Technology** Degree in Civil Engineering by Shivaji University, Kolhapur.

Project Guide
Prof. Mrs. D.A. Latthe

Head of Dept.of Civil Engg.
Dr.J.S. Lambe

Principal

External Examiner

DR. J.J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Abstract

Generation of Solid wastes in general and biodegradable waste in particular is increasing at house hold level over the last two decades. Any material which can be decomposable by the action of microorganisms in a short period of time is called biodegradable. Mostly food waste; vegetable peels and fruit pulp are biodegradable. These materials readily mix with the soil by the action of bacteria. During decomposition, these materials release carbon dioxide, methane, ammonia and hydrogen sulphide into the environment thereby contributes to air pollution. Biodegradable kitchen waste that is collected from residential societies which can be utilized for the benefits of the society.

Biodegradable waste is the waste that can be decomposed and will be broken down into carbon dioxide, water, methane or simple organic molecules by the action of micro-organisms in reasonably less time. Normally biodegradable wastes are food and kitchen waste, manure, agricultural and forestry waste.

C – Copyright
D – Design - patent.

Dr. J. J. Magdum College of Engineering, Jaysingpur.
Department of Information Technology Engineering
Class-B.Tech.IT
Btech Project Detail 2022-23

Roll.No.	Name Of the Student	Title of the project	Type of Project	Project group	Faculty Name
1	GAWAS AASHWINI RAGHOBA	Hospitality Service Management System	C	G1 - Management+Sponsor ✓	Mrs.S. J. Chougule
2	KAMBLE SIYANG PRAFULLA				
3	MITHARE AKASH SURESH				
4	NARDEKAR SURAJ JAYKUMAR				
5	JAMADADE SHREYA ANIL	Gesture recognition based on virtual mouse & keyboard		G2- Social level	Mrs.J.T.Patil
6	MANGLEKAR RUTUJA PRAKASH				
7	MOHITE SAMRUDDHI SURESH				
8	NIMBALKAR AISHWARYA PRAKASH				
9	HIREMATH ADITYA NANDIKESHWAR	Fertilizer Optimizer		G3- Innovative+	Mrs. S.S.Solapure
10	JARE PRASHANT LAXMAN			or Techno societal	
11	KUMBHAR OMKAR BAJIRAO				
12	MOMIN MOHAMMAD RAASHID				
13	PATIL ROHIT LAXMAN				
14	KAMBLE ATISH VIJAY	Brain Tumor Detection Using Mask R-CNN	D	G4-Medicare And Solutions	Mrs.S. J. Chougule
15	KHARE SURAJ RAVINDRA				
16	MAHAMUNI SHREYAS SATISH				
17	MULLA HAIDARALI TAJUDDIN				
18	PAWAR ASHLESHA MADHUKAR	Software for Vaishnavi Jewellers	C	G5- Industry real time ✓	Mrs. A.G.Chendke
19	POTDAR DIPALI GAJANAN			Sponsored	
20	RAJPUT GOURI ARUNSING				
21	WAGH POONAM PRABHAKAR				
22	BANDGAR SAVITA APPASO	Stock Management System	C	G6-Industry Real Time	Mrs.J.T.Patil
23	PATHAN MUSKAN ISAK			Sponsored	
24	PATIL DIVYARANI DATTATRAY				
25	RAWAL MANASI MAHESH				
26	GAVALI ANUSHKA ARUN	Waste Food Management System Using Flutter		G7- Innovative+Techno Societal	Mr. R.A. Sanadi
27	KALE SHUBHAM DINESH				

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

PJ

28	MHAMULKAR SANIYA PANDURANG			
29	MORE ROHIT MARUTI			
30	BABAR YOGESHRI SHIVAJI	Medical Management System	G8-Management + Real Time	Mr. R.A. Sanadi
31	KENJALE KEDAR DATTATRAY		Sponsor -	
32	KHADE NAYAN NAVJEEVAN			
33	PATIL NIKITA BALKRISHNA			
34	CHAVAN POOJA TULSIDAS	Dairy Automation C	G9-Techno Societal	Mrs..P.R.Patil
35	DHOLE AKSHATA YUVRAJ		Sponsored	
36	JAMADADE VRUSHALI TANAJI			
37	MANE PRIAKTA SHIVAJI			
38	CHAVAN GAYATRI SHASHIKANT	Pet Adoption App	G10-Techno Societal	Mrs.P.A.Tambgave
39	JADHAV SHREYA SHRIKANT			
40	MAGDUM AKANKSHA SADASHIV			
41	MAGDUM ANIKET SADASHIV			
42	JADHAV SHRAVAN ASHOK	Driver drowsiness detection system	G11-Techno societal	Mrs.Pallavi Desai
43	KANADE AMRUT ANANDA			
44	MANE SANDESH UTTAM			
45	SHELAKE ASHWAGANDHA MOHAN			
46	GURAV PRAJWAL MAHADEV	E-Commerce Website with PWA Technology for Interiors and Electricals	G12-Industry Real Time	Mrs.S.B.Holkar
47	SANKPAL GOURANK PRASHANT		Sponsored	
48	PATIL PRAJAKTA CHANDRAKANT			
49	PATIL PRAVIN PRALHAD			
50	HUKKERI SHRINATH RAJKUMAR	Audio Sentimate Analysis D	G13-Social level	Mrs. P.R Patil
51	RASAL ABHISHEKH SANJAY			
52	DESAI RAHUL SHIVAJI			
53	UPARATE SANKET SUDHAKAR			
54	MULLA AMAN RIYAJ	Design an IoT based noise detection and alert system for D	G14- Social Level	Mrs. S.S.Solapure
55	PUJARI RUSHIKESH PRAKASH	silent zone areas.		
56	SHAIKH JUNED JAHANGIR			
57	SHIRDHONE CHIDANAND EKNATH			
58	PATIL SUSHANT VASABTRAO	Gas Leakge Detector using Arduino UNO	G15-Inter disciplinary	Mrs.P.A.Tambgave

59	DHAVALE POOJA YASHWANTRAO				
60	JADHAV SNEHAL DATTATRAY				
61	SAVANT SUDHIR RAGHUNATH				
62	PATIL SAIESH SHEKHAR	Advance dynamic E-commerce website for power jet appliances		G16-Industry real Time	Mrs.S.B.Holkar
63	PATIL SHRIDHAR SURESH			Sponsored.	
64	SHINTRE GOURAV GIRISH				
65	SUTAR SWAPNIL SATISH				
66	BHOSALE OMKAR SHIVAJI	Fake news prediction	D	G17-Techno societal	Mrs.Pallavi Desai
67	REVANNA PRATIK SACHIN				
68	SARNOBAT PRAJWAL KRUSHNAT				
69	SHAHAPURE RAJAT RAJENDRA				

Shahapure

Solapure S.S.
DRC - Co-ordinator

HOD, IT

Dr. J. J. Magdum College of Engg. Jaysingpur
Department of Information Technology
Jaysingpur - 416101

DR.J.J.MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Pg. 2

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Miss. Savita Appaso Bandgar.

Miss. Muskan Isak Pathan.

Miss. Divyarani Dattatray Patil.

Miss. Manasi Mahesh Rawal.

Entitled **"Stock Management System" Report** completed in partial fulfilment for award of Bachelor of Engineering degree in Information Technology by Shivaji University, Kolhapur in Academic Year: 2022-23.

Project Guide
PROF. J. T. PATIL

Head of It Department
PROF. R. A. Bharatiya

Principal
Dr. Mrs. S. B. Patil

External Examiner

ABSTRACT

The goal of this project is to create a web-based application named Stock Management System to control the organization's inventory system. After doing the survey we come to that customers desire reliable information that is affordable by conducting the poll in various stores and malls. The term "stock management system" refers to the procedures and methods used to manage the inventory of a company while utilizing technological solutions. This system can be used for stock information, stock upkeep, updating inventory based on sales information, and generating daily or weekly sales and stock reports.

Inventory Management System is software which is helpful for the businesses operate hardware stores, where storeowner keeps the records of sales and purchase. per work, human faults, manual delay and speed up process. Inventory Management System will have the ability to track sales and available inventory, tells a storeowner when it's time to reorder and how much to purchase. An inventory control system may be used to automate a sales order fulfillment process. Such a system contains a list of order to be filled, and then prompts workers to pick the necessary items, and provides them with packaging and shipping information.

The goal of this project is to classify each component of the sales and inventory management system. With the help of this system, we are resolving several issues that have an impact on direct sales management and buying management. Inventory management system is also on important means of automatically tracking large shipment. An automated Inventory management system helps to minimize the errors while recording the stock.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that,

Miss. Chavan Pooja Tulshidas

Miss. Dhole Akshata Yuvraj

Miss. Jamadade Vrushali Tanaji

Miss. Mane Prajkta Shivaji

entitled **"Dairy Automation."** in partial fulfillment for award of Bachelor of Engineering Degree in Information Technology by Shivaji University, Kolhapur in Academic Year: 2022-23.

Prof. P. R. Patil.

[Project Guide]

Prof. R. A. Bharatiya.

[Head, IT Department]

Dr. S. B. Patil.

[Principal]

External Examiner

II

ABSTRACT

Dairy Automation is an application or software designed to manage activities related to daily work such as milk collections from members, sales to the customer and all the dairy-related processes. It became tough for dairy owners to manage all dairy work manually. To reduce manual work, A Dairy Automation System can help to make day-to-day dairy related activities easier. In this Dairy Automation application, we will provide information about animal feed in milk dairy. The whole process you can manage with one app. Dairy software also manage in reporting, and accounting. To Manage various role of dairy, dairy owners need a dairy management system. It can ease a variety of a dairy process like member management, report analysis, accounting, milk supply and many more. Thus, the Dairy Owner can manage his contacts and daily working schedules through this application. This application avoids user to make manual contact diaries to store the contact address. Dairy Owner who is working on system can set events for the important work. Events will remind him about that work. The Dairy member also able to read the messages.

Dairy automation using Android is a system designed to streamline and enhance the management of dairy operations through the integration of Android-based mobile technology. The system leverages the power of Android smart phones and tablets to automate various tasks related to dairy farming, milk production, and milk distribution. The dairy automation system offers several functionalities to improve efficiency and accuracy. It includes features such as milk collection, milk quality analysis, inventory management, customer management, and billing. Farmers and dairy workers can use Android devices to record milk collection data, monitor milk quality parameters, track inventory levels, manage customer information, and generate invoices.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101 .

CERTIFICATE

This is to certify that,

Miss. Gawas Aashwini Raghoba
Mr. Kamble Siyang Prafulla
Mr. Mithare Akash Suresh
Mr. Nardekar Suraj Jaykumar

entitled **"Hospitality Service Management System""** in partial fulfillment for award of Bachelor of Engineering Degree in Information Technology by Shivaji University, Kolhapur in Academic Year : 2022-23.

Prof. S.J.Chougule
[Project Guide]

Prof. R. A. Bharatiya
[Head, IT Department]

External Examiner

Dr. S. B. Patil .
[Principal]

DR. J.J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Abstract

The Hospitality Services Management System for Online Liquor is a specialized software solution designed to streamline and enhance operations in the online liquor industry. This comprehensive system aims to provide a seamless and user-friendly experience for customers while optimizing the management of liquor products, orders, and customer interactions.

The system offers various modules and functionalities tailored specifically to the online liquor sector. It includes features such as product catalog management, order processing, inventory control, customer management, and secure payment processing. with the product catalog management module, liquor vendors can efficiently organize and showcase their product offerings. Detailed product information, including descriptions, prices, and availability, is readily available to customers, enabling them to make informed purchasing decisions.

The order processing module automates the entire order fulfillment process, from the placement of orders to order tracking and delivery. Customers can easily browse and select their preferred liquor products, add them to their cart, and proceed to checkout. The system handles order validation, updates inventory levels in real-time, and generates order confirmations for both customers and vendors. Inventory control is a critical aspect of the system, ensuring accurate stock management. It provides real-time visibility into inventory levels, allowing vendors to monitor stock availability, set thresholds for reordering, and manage stock replenishment efficiently.

Customer management features enable vendors to maintain customer profiles, manage loyalty programs, and offer personalized recommendations based on customers' preferences and purchase history. This fosters customer engagement and retention, ultimately enhancing customer satisfaction and loyalty. To facilltate secure and seamless transactions, the system integrates with trusted payment gateways, ensuring the confidentiality and integrity of customers' payment information. It supports various payment methods, such as credit cards, digital wallets, and online banking, providing customers with convenient options for completing their transactions.

By leveraging technology and automation, the Hospitality Services Management System for Online Liquor simplifies and streamlines various aspects of the online liquor business. It empowers vendors to efficiently manage their product offerings, process orders, maintain accurate inventory, and provide exceptional customer service. Ultimately, this system contributes to an enhanced online liquor shopping experience for customers while optimizing business operations and driving growth in the competitive online liquor industry.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur -416101

CERTIFICATE

This is to certify that,

Mr. Omkar Shivaji Bhosale

Mr. Pratik Sachin Revanna

Mr. Prajwal Krushnat Sarnobat

Mr. Rajat Rajendra Shahapure

have satisfactorily completed the project work entitled **"Fake News Prediction Using Machine Learning"** in partial fulfilment for award of Bachelor of Engineering Degree in Information Technology by Shivaji University, Kolhapur in Academic Year: 2022-23.

Prof. Pallavi Desai
Project Guide

Prof. R. A. Bhartiya
Head, IT Department

Dr. S. B. Patil
Principal

External Examiner

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

ABSTRACT

The fake news on social media and various other media is wide spreading and is a matter of serious concern due to its ability to cause a lot of social and national damage with destructive impacts. A lot of research is already focused on detecting it. This makes an analysis of the research related to fake news detection and explores the traditional machine learning models to choose the best, in order to create a model of a product with supervised machine learning algorithm, that can classify fake news as true or false. This process will result in feature extraction. we propose using Python to perform tokenization and feature extraction of text data, because this library contains useful tools like Count Vectorizer and Tiff Vectorizer. Then, we will perform feature selection methods, to experiment and choose the best fit features to obtain the highest precision, according to confusion matrix results.The advent of the World Wide Web and the rapid adoption of social media platforms paved the way for information dissemination that has never been witnessed in the human history before. With the current usage of social media platforms, consumers are creating and sharing more information than ever before, some of which are misleading with no relevance to reality. Automated classification of a text article as misinformation or disinformation is a challenging task. Even an expert in a particular domain has to explore multiple aspects before giving a verdict on the truthfulness of an article. In this work, we propose to use machine learning ensemble approach for automated classification of news articles. Our study explores different textual properties that can be used to distinguish fake contents from real.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Miss. Shreya Anil Jamdade.

Miss. Rutuja Prakash Manglekar.

Miss. Samruddhi Suresh Mohite.

Miss. Aishwarya Prakash Nimbalkar.

Entitled **"Gesture Recognition Based Virtual Keyboard And Mouse" Report** completed in partial fulfilment for award of Bachelor of Engineering degree in Information Technology by Shivaji University, Kolhapur in Academic Year: 2022-23.

Guide Name
PROF. J. T. Patil

Head of IT Dept,
Prof.R.A.Bhartiya

Principal
Dr.Mrs.S.B.Patil

External Examiner

ABSTRACT

In our project, computer vision is used in creating an Optical mouse and keyboard using hand gestures. The camera of the computer will read the image of the person and according to the movement of the persons eyes the Mouse or the cursor of the computer will move. Similarly the keyboard gestures will be used by tapping the alphabets or numbers on the screen with two fingers or by pinching gesture on the alphabet then the tapped alphabets will be shown on the screen. It will act as a virtual mouse and keyboard with no wire or external devices. The only hardware aspect of the project is a real time web-cam and the coding is done on python using Anaconda platform. Here the defects are generated and with the help of Linear Regression Algorithm and Haar-cascade the movement and working of Mouse and Keyboard is done. The computer will understand the gesture shown by the user and act accordingly.

This project proposes a Gesture Recognition-Based Virtual Keyboard and Mouse system that utilizes artificial intelligence (AI) techniques in conjunction with speech commands. The aim is to provide an intuitive and hands-free interaction experience for users, enabling them to control computer devices through gestures and voice commands. The system employs gesture recognition algorithms to detect and interpret hand movements, allowing users to perform mouse cursor movement, drag-and-drop actions, and click operations. By combining gesture recognition with AI-powered speech recognition, users can also utilize speech commands to input text, perform keyboard functions, and navigate through applications.

The abstracted system combines the power of AI, gesture recognition, and speech commands to create a virtual keyboard and mouse interface that enhances user interaction and accessibility. By leveraging AI techniques, the system continuously improves its performance over time, adapting to users' gestures and speech patterns, resulting in an intuitive and efficient user experience. The integration of gesture recognition and speech commands offers several advantages. It provides an alternative input method for individuals with physical disabilities or limitations, facilitating their ability to interact with computer devices. Moreover, the system enhances productivity and convenience for users by eliminating the need for physical keyboards and mice, enabling hands-free operation.

DR. J. J. MAGDUM TRUST'S

DR. J. J. MAGDUM COLLEGE OF ENGINEERING, JAYSINGPUR.

CERTIFICATE

This is to certify that,

Mr. Saiesh Shekhar Patil

Mr. Shridhar Suresh Patil

Mr. Gourav Girish Shintre

Mr. Swapnil Satish Sutar

have satisfactorily completed the Project entitled **"Advance Dynamic E-Commerce Website for Powerjet Appliances"** in partial fulfillment for award of Bachelor of Engineering Degree in Information Technology by Shivaji University, Kolhapur in Academic Year 2022-23.

Project Guide
Prof. S. B. Holkar.

Head of IT Dept,
Dr. Prof. R.A. Bharatiya.

Principal
Dr. Mrs. S. B. Patil

External Examiner

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

ABSTRACT

The business to consumer aspect of electronic commerce (e-commerce) is the most visible business use of the World Wide Web. The primary goal of an e-commerce site is to sell goods and services online. This project deals with developing an advance dynamic website for Online sale. The system is implemented using a backend database, .net framework and a web browser as the front-end client. In order to develop an e-commerce website, a number of Technologies must be studied and understood. These include multitiered architecture, server and client-side scripting techniques such as programming language, relational databases (such as MS-SQL). In this project, the main aim is to demonstrate that with better interaction features in laptops and smartphones web sites could improve sales over the net.

Our project is E-Commerce. This is a website which helps company to buy all type of product on internet. It is useful in the way that it makes an easier way to buy and sell products online. E-Commerce is an interactive e-commerce solution providing users with an opportunity to buy and sell product. E-Commerce is the first online platform which deals with new and old product of all fields. In this website we have basically 2 modules. The first module includes the customer module, and second module includes admin module. The customer must register for any enquiry related to product. The registered customer can view details of product and he/she can buy or sell the product of his/her need. He/she must pay and will get home delivery. The admin module contains the access of admin page on the website. The admin can change everything in the website. He can add, delete, and update any information regarding the product.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr. Jadhav Shravan Ashok.
Mr. Kanade Amrut Ananda.
Mr. Mane Sandesh Uttam.
Miss. Shelake Ashwagandha Mohan.

Entitled **"Driver Drowsiness Detection System" Report** completed in partial fulfilment foraward of Bachelor of Engineering degree in Information Technology by Shivaji University, Kolhapur in Academic

Year: 2022-23.

Guide Name
PROF. P.R.Desai

Head Of IT Dept
Prof.R.A.Bharatiya.

Principal
Dr.Mrs.S.B.Patil

External Examiner

Abstract

Driver drowsiness is a major cause of road accidents, posing a significant threat to road safety. This study presents a driver drowsiness detection system using machine learning techniques. The system utilizes various sensors, such as cameras and alarm, to collect data . The trained machine learning models are capable of accurately classifying the driver's state as drowsy or alert in real-time. When drowsiness is detected, the system triggers timely warnings to alert the driver and prevent potential accidents.

Experimental results demonstrate the effectiveness of the proposed system in detecting driver drowsiness with high accuracy and low false positive rates. The system's performance is evaluated under various driving conditions and scenarios, ensuring its robustness and adaptability.

The implementation of this driver drowsiness detection system has the potential to significantly reduce the number of accidents caused by drowsy driving. It serves as a proactive tool to raise driver awareness, promoting responsible driving habits and encouraging regular breaks and rest periods. The driver drowsiness detection system presented in this study harnesses the power of machine learning to detect and prevent drowsy driving incidents. With its real-time detection, personalized approach, and potential for widespread adoption, the system has the capacity to significantly improve road safety and save lives.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr. Shrinath Rajkumar Hukkeri
Mr. Abhishek Sanjay Rasal
Mr. Rahul Shivaji Desai
Mr. Sanket Sudhakar Uparate

Entitled "Audio Sentiment Analysis." Report completed in fulfillment for award of Bachelor of Technology Degree in Information Technology by Shivaji University, Kolhapur in Academic Year : 2022-23.

Prof. P.R.Patil
Project Guide

Prof. R. A.Bharatiya
Head, IT Department

Dr.S.B.Patil
Principal

External Examiner

ABSTRACT

Through all the available senses, humans can sense the emotional state of the communication partner. This emotional detection is natural for humans, but it is very difficult task for computers; although they can easily understand content-based information, accessing the depth behind content is difficult and that's what speech emotion recognition sets out to do. It is a system through which various audio speechfiles are classified into different emotions such as happy, sad, anger and neutral by computers. Speech emotion recognition can be used in areas such as the medical fieldor customer call centers. The foundation of modeling began with feature selection. After extracting MFCCs, and Mel spectrograms from the audio files we began assembling models readily available from Sci -kit Learn and other Python packages. The RAVDESS is a validated multimodal database of emotional speech. The database is gender balanced consisting of 24 professional actors. Speech includes calm, happy, sad, angry, fearful, surprise, and disgust expressions contain calm, happy, sad, angry, and fearful emotions

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101 .

CERTIFICATE

This is to certify that,

Mr. Aman Riyaj Mulla

Mr. Rushikesh Prakash Pujari

Mr. Juned Jahangir Shaikh

Mr. Chidanand Eknath Shirdhone

entitled **"Design an IoT based noise detection and alert system for silent zone areas. "** in partial fulfillment for award of Bachelor of Engineering Degree in Information Technology by Shivaji University, Kolhapur in Academic Year : 2022-23.

Prof. R. A. Bharatiya

[Project Guide]

Prof. R. A. Bharatiya

[Head, IT Department]

Dr. J. J. Magdum College of Engineering, Jaysingpur. I.T. Dept.

External Examiner

Dr. S. B. Patil

[Principal]

ABSTRACT

In school days or when we were taking education in polytechnic we observed that, after completing current lecture next lecturer has conduct. But teacher may be busy in other work so they late for the lecture. Between that time some noise will be generated.

Proposed system used to control the noise of the classroom.

In this technology we can intimate noise of students from the classroom automatically to class coordinator. A voice sensor will be used which is controlled by the Raspberry Pi. Voice will be recognized by an IC (lm 324) which is connected to the Raspberry Pi. In this we must set the fixed/threshold value of noise decimal. When the noise exceeds the limit of fixed/threshold value of decimal, then message will be sent to the class coordinator of that classroom and concern higher authority.

Area	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

To the observation, we took some different areas of different profession like industrial area, commercial area , residential area , silent zones

The references was collected by on the basis of day and night time. The frequency level of the noise in day time is always greater as compare to night time .For this we used the ichalkaranji area which is suitable for this type of work because it includes all the areas on which we are going to work.

In industrial areas ,the frequency of the noise of Ganesh industry and the Parvati industry is upto 75 db and 70 db.In commercial area, the malls and the D marts who's frequency level is upto 55 to 65. In residential areas like colonys such as Yashwanth colony and Priyadarshini colony which includes the noise frequency upto 45 to 55 db and in the silence zones where we need to less sound as compared to other we got little bit more noise of 40 to 50 db.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur

416 101.

CERTIFICATE

This is to certify that,

Miss. Prajwal Mahadev Gurav

Mr. Gaurang Prashant Sanpkal

Miss. Prajakta Chandrakant Patil

Mr. Pravin Pralhad Patil

has satisfactorily completed the project work entitled *"E-Commerce Website with PWA technology for Interiors & Electricals"* in complete fulfillment for award of Bachelors of Technology Degree in Information Technology by Shivaji University, Kolhapur.

Prof Mrs. S.B. Holkar
Project Guide

Prof. R.A. Bharatiya
Head,
Dept. of Information Engg.

Dr S. B. Patil
Principal

External Examiner

Abstract

Website development means work for clients who are trying to get their project or services onto the web. The work is typically very project focused and involves collaborating with a team that helps to coordinate the client's needs into the end project. The client could be a tech company, an organization, or a government. The work could involve front-end, back-end, or full-stack web development.

A well-designed website is essential for reaching a larger audience and generating more leads or customers. Web development and design help to promote a company's brand name. Essentially, if a firm's website is accessible via the World Wide Web, the company is considered operating on a worldwide scale. This means that a little-known company may be looked for, and its items can be delivered to clients who are far away.

Getting to know about a client (their requirements), discovery and project research, Wireframes, UI design, Back-end development, Front-end development, Quality assurance, Launch, Post-Launch QA and maintenance.

Kiaan Interiors and Electrical is a start-up company. Developers provides services for Interior designer, Electrical contractor, Wallpaper wholesale, Event planner, POP contractor, Vinyl Flooring, Green Glass. The mentioned services are provided on website for clients

Create a presence- Your website can help establish your business as a going concern, communicate your brand value and it can convey professionalism. New clients might want to know about your business history, your expertise and your specialization. Get listed on search engines. Your website provides customers an easy way to contact you and learn more about your product, services and business. If your business lends itself to online sales, create s virtual store. Share the latest news of your organization.

There have never been a better time for the world to be online. With the Internet making the world more connected to each other through various means such as social media. Hence it's a booming time to be involved in the process.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr. Hiremath Aditya Nandikeshwar
Mr. Jare Prashant Laxman
Mr. Kumbhar Omkar Bajirao
Mr. Momin MohammadRaashid Allabaksh
Mr. Patil Rohit Laxman

Entitled **"Fertilizer Optimizer"** Report completed in partial fulfillment for the awardof Bachelor of Engineering Degree in Information Technology by Shivaji University, Kolhapur in Academic Year: 2022-23.

Prof. S. J. Chougule		Prof. R. A. Bharatiya	Dr. S.B. Patil
[Project Guide]	**[External Examiner]**	**[HOD]**	**[Principal]**

ABSTRACT

In today's world, most of the inorganic fertilizers are used in agriculture. By using inorganic fertilizer plant growth can be improved and it will increase production capacity. But while using these types of fertilizers people may not consider the disadvantages of the inorganic fertilizers. Inorganic fertilizers are very harmful to human health as well as to soilquality. Peoples know all the disadvantages of inorganic fertilizers then also they areusing this inorganic fertilizers. Why.....? Only to increase the production capacity of the plantand make money. It's ethically wrong.

However therefore there is a need for a platform that can do the fertilizers analysis for the farmer. This quantitative analysis will help to make awareness among farmers regarding the usage of fertilizers. The analysis describes the advantages and disadvantages of various fertilizers. At the same time, details about the components of that fertilizer. The method also gives information about how long the amount of fertilizer will remain in it after its use.

The analysis also describes how many days after using the fertilizer it is suitable for us toeat. This analysis helps to reduce the diseases that humans are getting today due to excessive use of fertilizers. However, it is not possible to provide information about all crops but in this proposed work we will try to provide information about some popular crops.

Nitrogen(N), Phosphorous(P), and Potassium(K) are the most commonly used fertilizers. But it's not very harmful to human health. Chemical fertilizers can cause problems with the heavy metals that can be found in them. These include Lead, Mercury, Cadmium, and Uranium, which can have a negative impact on the kidneys, liver, and lung

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, Mr./ Miss.

Anushka Gavali

Shubham Kale

Saniya Mhamulkar

Rohit More

has satisfactorily completed the project work entitled

"WASTE FOOD MANAGEMENT SYSTEM"

in partial fulfillment for award of Bachelors of Engineering Degree in *INFORMATION TECHNOLOGY* by Shivaji University, Kolhapur.

Guide

Prof. R A Bharatiya

Principal

Head,

Dept. of IT

External Examiner

Abstract

Food is one of the basic necessities of humans, and it stands first among all basic needs-food, shelter, and clothing. It is important as it nourishes the human body- sustaining the very existences of humans. However, with the rising population and development of this country. food wastage has risen to a new high. There are many people who wish to donate food to the needy but are unaware of how exactly they can execute that. Our application revolves around helping the needy by connecting NGOs and common people. The donors shall be able to see a plurality of options by which they can donate. The NGOs will get the details ofthe persons wishing to donate via our application and thus a network is established betweendonors, people who aid the donors in donating (NGOS) and the actual needy people to whom the donated item is sent. Our application aims to bring about transparency, clarity and swiftness in the process of donation thus aiming to mitigate prevailing issues in whatever zone it is possible for us to do so.

Dr. J. J. Magdum College of Engineering, Jaysingpur.

Department Information Technology

CERTIFICATE

This is to certify that, Report of the project entitled,

"Software for Vaishnavi Jewellers"

Is presented before Department Research Committee(DRC)by,

SRNO.	NAME	ROLLNO	SIGN
1	Ashlesha Madhukar Pawar	18	
2	Dipali Gajanan Potdar	19	
3	Gauri Arunsing Rajput	20	
4	Poonam Prabhakar Wagh	21	

Under the guidance of **Prof.A.G.Chendke** for the academic year 2022-23. The DRC has consented to give the approval for the said project.

Prof. S. J. Chougule

Head,
Department Reasearch Committee,(DRC)
Information Technology Department.

Abstract

"Software for Vaishnavi Jewellery Shop" is basically used to build an application program which helps the people to find and buy latest design of jewellery with different categories like Gold, Silver, Diamond, etc. It is an easier way to buy products online. Today most of the jewellery shops are interested for their own shopping site as well as for mobile application. The owner has to manage lots of paper work and also they are using computer to manage data in soft copy about user record and many other things.

This application maintains the centralized database so that any changes done that reflect immediately. This is an online tool so more than one user can login into the system and use the tool simultaneously.

The aim of this application is to reduce the manual effort needed to manage the whole system like selection, payment, and delivery of the product; also this application provides an interface to user's to view the details about events.

Maintaining the same quality or upgrading the present one is not an easy task because quality is the ultimate picture of the entire business. Good quality of a product depends on many factors e.g. good services, better management control, etc. So, to obtain the optimum quality, jewelers have to upgrade those ingredients by which the quality is affected. To upgrade those ingredients the jewelers, have to depend on some types of data. So, if the decision-making person of the business wants to have a grip on the total business, they will have to have acknowledged of the entire flow of data and information within the organization. It cannot be done without the help of a Business-Related Software.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101 .

CERTIFICATE

This is to certify that,

Mr. Atish Vijay Kamble

Mr. Suraj Ravindra Khare

Mr. Shreyas Satish Mahamuni

Mr. Haidarali Tajuddin Mulla

entitled **"Brain Tumor Detection and Segmentation Using Mask R-CNN"** in partial fulfillment for award of Bachelor of Engineering Degree in Information Technology by Shivaji University, Kolhapur in Academic Year : 2022-23.

Prof. S. J. Chougule
[Project Guide]

Prof. R. A. Bharatiya
[Head, IT Department]

External Examiner

Dr. S. B. Patil
[Principal]

ABSTRACT

One of the dreadful diseases that the world encounters today is brain tumor. When abnormal cells form in the brain, it is called a brain tumor. There are lot of variations in sizes and location of tumor, and hence this makes it really hard for a complete understanding of tumor. Radiologists can easily diagnose the disease with the help of medical image techniques, but making this process automatic is obviously useful. Magnetic Resonance Imaging (MRI) is the most effective method for detecting brain tumors where, MRI images are trained and tested in order to detect the tumor. The automated system would be able to detect and pin-point the exact location of the tumor in an MRI image. Our study describes a method for segmenting abnormal brain tissues and determining whether the patient has a tumor.

This approach detects a unique area of the brain and forecasts the likelihood of a tumor developing there. Mask regional-based convolution neural network (Mask R-CNN) is a pre-trained deep neural network model that is used to distinguish objects from an image such as cars, animals, trees, and other objects. In comparison to many other similar methods based on MLP, VGG-16 model, and U-net model, we discovered that Mask R-CNN method performs the best. The clarity of the MRI scans has a big impact on the accuracy. The proposed system was able to outperform similar systems on the same dataset, achieving 87 percent Intersection over Union (IOU) score on the reference dataset, Brain MRI Images for Brain Tumor Detection.

The demand for effective computer-aided brain tumour segmentation techniques has increased considerably in recent times. However, accurate brain tumour segmentation is still a challenge because of its structural complexity such as variations in location, size, shape, and overlapping tumour boundaries with normal brain tissues, etc. Existing automated approaches for brain tumour detection can be broadly categorized into handcrafted features and deep learning (DL) based approaches. Qasem et al used a watershed segmentation algorithm along-with the KNN for brain tumour classification and segmentation. This method performs well on the selected MRI images and unable to accurately segment the tumour regions on challenging images containing tumors with multiple structural complexities.on

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101 .

CERTIFICATE

This is to certify that,

Mr. Patil Sushant Vasantrao

Miss. Dhavale Pooja Yashawantrao

Miss. Jadhav Snehal Dattatray

have satisfactorily completed the project entitled **" Gas Leakage Detector System By Using Arduino UNO"** in partial fulfillment for award of Bachelor of Engineering Degree in Information Technology by Shivaji University, Kolhapur in Academic Year : 2022-23.

Prof. P. A. Tamgave

[Project Guide]

Prof. R. A. Bharatiya

[Head, IT Department]

Dr. J. J. Magdum College of Engineering, Jaysingpur I.T. Dept.

External Examiner

Dr. S. B. Patil

[Principal]

Abstract

Autonomous Robot which follows a line until that line exists. Generally, the line is drawn on the work floor. It can be either black or white. The line can also be normal visible colour or invisible magnetic field or electric field. The Arduino uno follows the line by using Infra-Red Ray (IR) sensors. There are five IR sensors which makes it an IR sensor array. These sensors read the line and send that reading to Arduino and then control the Arduino uno movement. Arduino uno follows path drawn on the floor. The line will be mainly black on a white surface. If it occurs any line break on its way, the Arduino uno will go forward. If it finds a cross line, the Arduino uno will stop this cross line is start and stop point of Arduino uno movement. Lines and Arduino uno movements can be changed by using programming code easily. If this Arduino uno senses any obstacle in its path, for example, at run time, any employee or any machine senses it on the predefined path of the Arduino uno, then the Arduino uno will either stop for a few seconds or avoid it, then resume its running on an obstacle-free path.

IR sensors were adapted to implement a real-time obstacle avoidance system for wheeled Arduino unos, so that was the additional feature of this project. Arduino uno can continually detect the surrounding area if fire is detected by the Arduino uno from its current fire sensing path. With the help of an alarm, the Arduino uno gives the indication that fire is detected and continues to alarm while not reaching its final destination.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Miss. Gayatri Chavan.

Miss. Shreya Jadhav.

Miss. Akanksha Magdum.

Mr. Aniket Magdum.

entitled **"Pet Adoption"** Report completed in partial fulfillment for award of Bachelor of Engineering Degree in Information Technology by Shivaji University, Kolhapur in Academic Year : 2022-23.

Project Guide

Externel

HOD

IT department

Principal

ABSTRACT

The human have learned few things about the need for companionship during the pandemic. So pet adoption was an another quarantine trend that exploded. There are 2 ways to get a pet in India. One is buying and Second is adoption through rescue shelter or relatives and friends. Our project goal is to provide common platform for user and animal shelter. This application encourage people to adopt pets instead of buying them from pet shops.

This application is mobile application. The project is developed using flutter technology. It involves flutter for front-end work and firebase for back-end work. The purpose of this app is to facilitate the adoption of stray animals. The application provides a user-friendly interface to help automate the process of serving pets' welfare. To develop the app, we are using flutter for the application and firebase as the database because Flutter is Google's free, open-source software development kit (SDK)for cross-platform mobile application development. It develops high-performance, scalable applications with attractive and functional user interfaces.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr. Nayan Navjeevan Khade.

Mr. Kedar Dattatray Kenjale.

Miss. Yogeshri Shivaji Babar.

Miss. Nikita Balkrishna Patil.

have satisfactorily completed the Project entitled **"Medical Management System"** in partial fulfillment for award of Bachelor of Engineering Degree in Information Technology by Shivaji University, Kolhapur in Academic Year 2022-23.

Project Guide
Prof. R.A. Bharatiya.

Head of IT Dept,
Prof. R.A. Bharatiya.

Principal
Dr. Mrs. S. B. Patil

External Examiner

ABSTRACT

The medical management system is built in order to replace manual based system to computerize. Here system is expected to be efficient, useful, and affordable on implementing tasks that is instructed by the pharmacy manager. Software does all things in pharmacy like sale, insert new incoming goods, make bills, calculate taxes, and debt, also compute employees' salaries, give information about products, make different statistics as best month to sale some product via provides charts, also manage employees work.

The purpose of Medical Management System is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements. Medical management system project used to maintain and track medicine stock inventory detail and store customer and bill detail for medical store.

Medical Store Management System, as described above, can lead to error free, secure, reliable, and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. Here in this medical store system project, we use MySQL database.

This is a very useful application for the pharmacist, which reduces the work load and it will help you to manage all the components of the pharmacy, such as Drug Administration, Invoicing, etc. that is, the increase in the efficiency of processing. This will increase the clinical efficiency and patient convenience, in view of the fact that Ethiopia is in the direction of the pharmaceutical care of the patient. It automates tasks, and account management. In a pharmacy, and the bill inspection is an essential process.

Dr. J. J. Magdum College of Engineering, Jaysingpur

Department of Electronics & Telecommunication Engineering

Class-BTech | Date 31.10.2022

sr.no.	Guide	Group No.	Roll no	Name of student	Title of project	application with short description	sponsored Yes/No	Theme
1	Mrs P.P. Bellagli	1	1	BABAR PRASAD POPAT	Automatic filling and weighing machine	application -Industry, grocery store, For business owner	no	Techno social Project
			2	SONAWALE BHAGYASHREE				
2	Mrs. T.H.Mohite	2	3	PATIL PRATIK DUSHYANT	Ambulance tracking with patient health monitoring system using GPS and GSM	Application-Hospitals	no	Techno social Project
			4	SUTAR NIKITA				
3	Mr. M.M. Kolap	3	5	SHETTI NAMRATA SUNIL	Agriculture Robot	Grass cutting and pesticides spraying	No	Techno social Project
			6	KOSHTI SNEHAL PRABHAKAR				
4	Dr.Mahadik S.R.	4	7	KHOT PRADNYA ARUN	Atm Fingerprint System	Helping business financially and to keep watch on real time production	no	Innovative Project
			8	LATIF SANIYA SHAKIL				
5	Mr. M.M. Kolap	5	9	NADAF SANIYA HAROON	Smart helmet for bike riders safety	Prevents Accidents & Drunken drive	no	Innovative Project
			10	shinge ranjeet balaso				
6	Mrs.M.U.Phutane	6	11	KAMBLE VINESH VIJAY	Fire Fighting Robot		No	Techno social Project
			12	CHIKALAKKI DHANAPPA SOMANING				
7	Dr. S.B.Patil	7	13	PATIL KOMAL BHANUDAS	traffic control and green corridor generation using drone	Traffic control	No	Techno social Project
			14	KATE SNEHA SANJAY				
8	Dr.Mahadik S.R.	8	15	VAIDYA OMKAR VAIBHAV	Labour work monitoring	Helping business financially and to keep watch on real time production	no	Techno social Project
			16	GURAV TEJAS GURUDATTA				
9	Mrs. T.H.Mohite	9	17	REENA BABANRAO MADE	cold storage automation	preserve food ,chemicals and medicines	No	Techno social Project
			18	GAIKWAD SHWETA SURYAKANT				
10	Prof.M.B.Bhilawade	10	19	PATIL GAYATRI BHARAT	*Using GSM and GPS*	Step Towards Digital India	no	Techno social Project
			20	SOMNATH				
11	Dr. S.B.Patil	11	21	SANKET SURESH BHOI	traffic control and green corridor generation using	Traffic control	No	Techno social Project
			22	PATIL ROHIT CHANDRAKANT				
12	Mr. V.T.Kamble	12	23	PATIL CHETAN SANJAY	*Electrical power generation through speed breaker*	and Right use of kinetic energy	No	Techno social Project
			24	ANIKET PATIL THORAT				
13	Mrs.M.U.Phutane	13	25	KACCHI AKIL HANIF	*Raspberry Pi Based Intelligent Car Anti-Theft System Through Face Recognition*	Recognize Using GSM and GPS	No	Techno social Project
			26	MUJAWAR TANJEEL MAHAMADRAFIK				
14	Mrs P.P. Bellagli	14	27	JATHAR JAYESH SUNIL	Automatic CNC writing / drawing machine	industrial application	No	Techno social Project
			28	SUDHIR SALE				
15	Prof.M.B.Bhilawade	15	29	KORE CHAITANYA ARVIND	*Solor tracking system witauto cutoff battery ckt and inverter system*		No	Techno social Project
			1	Abhishek Pawar (ETRX)				
			2					

Dr. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Dr. J. J. Magdum Trust's
Dr. J. J. Magdum College of Engineering,
Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, **Miss. Namrata Sunil Shetti & Miss. Snehal Prabhakar Koshti** has satisfactorily completed the project work entitled **"Agriculture Robot"** in partial fulfillment for award of **Bachelor of Technology** Degree in **Electronics & Telecommunication** by Shivaji University, Kolhapur.

Project Guide
Prof. M. M. Kolap

Head of E&TC Department
Prof. M. M. Kolap

Principal
Dr. Prof. Patil S. B.

External Examiner

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Abstract

Compared to spraying pesticides manually outdoors, the environment is more closed, and has a high temperature, humidity and so on for operating the spray work in the green-house. In order to protect laborer and reduce labor intensity, we develop a prototype of pesticide spraying robot specially used in the greenhouse. Robot is controlled with a 8051 microcontroller. Designing of the latest inverted ROBOT which can be controlling using a APP for android mobile. We are developing the remote buttons in the android app by which we can control the robot motion with them. And in which we use Wifi module to interface controller and android. Controller can be interfaced to the Wifi module.

According to commands received from android the robot motion can be controlled. The consistent output of a robotic system along with quality and repeatability are unmatched Although the productivity of the prototype is not quite efficient, the robot still meets the requirements of pesticide spraying and grass cutting in the greenhouse without human operators.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, Miss. Saniya Haroon Nadaf, Mr. Ranjeet Balaso Shinge has satisfactorily completed the project work entitled "IOT Based Smart Helmet" in partial fulfillment for award of Bachelors of Engineering Degree in Electronics and Telecommunication by Shivaji University, Kolhapur.

Guide

Prof. M. M. Kolap

Head,

Dept. of E&TC Engg.

Principal

Dr. Prof. S. B. Patil

External Examiner

ABSTRACT

As we know India is second most populated country and has a large youth population, nowadays youth are fond of bikes and because of fashion, they neglect wearing helmet. Because of these, bike accidents are increasing day by day which causes deaths. Major deaths are due to head injuries which can be prevented by wearing a helmet. Drunk and drive cases are becoming more, which causes accidents and due to lack of negligence where an accident occurs and people are dying. These incidents made us develop a smart helmet using internet of things which reduce the accidents and risk of deaths, which has following features, the bike starts only if the rider wears a helmet if the rider is over drunken then the ignition will be automatically offed and if any accident occurs then through GSM modem it will send the message to the registered contact number by using a sim card. There is a speed lock by 60km/hr if the rider is exceeding speed above 60 buzzer will start beeping.

This smart bike helmet system will have two modules, one on the helmet and another one on the bike. Alcohol sensor and helmet sensor (i.e., switch) are attached with the helmet module and vibration sensor, GPS and GSM are connected with the module on the bike. These two modules communicate wirelessly using RF transmitter and receiver with encoder and decoder, using 8051 microcontroller.

Keywords Fond; GSM modem; Internet of things; Ignition; Smart helmet.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, **Miss. Nikita Bharat Sutar & Mr. Pratik Dushyant Patil** have satisfactorily completed the project work entitled "**Ambulance Tracking With Patient Health Monitoring System GPS and GSM**" in partial fulfillment for award of **Bachelor of Technology** Degree in **ELECTRONICS & TELE-COMMUNICATION ENGINEERING** by Shivaji University, Kolhapur.

Project Guide
Prof. T. H. Mohite

Head of department
Prof. M. M. Kolap

Principle
Dr. Prof. S. B. Patil

External Examiner

Abstract:-

With the help of this project we can find out the location of the ambulance and at the same time, we can monitor various health parameters of a patient these parameters are temperature, humidity, and heartbeat rate. A text SMS containing the location and values of all the sensors is sent to a Doctor's mobile. Or we can send this text SMS to any authorized person in the hospital. Then that person can intimate Doctors about the ambulance location and patient health. By using these parameters, the doctor can do the necessary preparation for the treatment of the patient find out the location of the ambulance and at the same time, we can monitor various health parameters of a patient.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, **Mrs. Komal Bhanudas Patil & Mrs. Sneha Sanjay Kate & Mr. Rohit Chandrakant Patil & Sanket Suresh Bhoi** has satisfactorily completed the project work entitled **"Traffic Control And Green Corridor Genration Using Drone"** in partial fulfillment for award of **Bachelor of Technology** Degree in **ELECTRONICS & TELE-COMMUNICATION ENGINEERING** by Shivaji University, Kolhapur.

Project Guide
Dr. S. B. Patil

Head of department
Prof. M. M. Kolap

Principal
Dr. Prof. S.B. Patil.

External Examiner

Abstract

Recently, Unmanned Aerial Vehicle (UAVs) has cached lots of instructed researchers developing them. They are numerous applications such as agriculture pesticide spraying drones, security drones, and surveillance drones for providing medicines to users, food packet delivery drones, etc.

In this paper, the design of the prototype drone is shown for traffic monitor control and the green corridor drone has a flight time capacity of 15 minutes guidance for an ambulance giving green corridor to it. The drone has a wireless public address system (PA) which is controlled by traffic.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that,

Akil H. Kacchi

Tanjeel M. Mujawar

has satisfactorily completed the project work entitled **"FACE RECOGNITION-BASED INTELLIGENT CAR ANTI-THEFT SYSTEM USING RASPBERRY PI AND GSM MODULE"** in partial fulfillment for the award of ~~Bachelor of Engineering Degree in~~ **Electronics and Tele-Communication** by Shivaji University, Kolhapur.

Guide
Prof.M.U. Phutane

Head,
Dept. of E & TC Engg.

Principal

External Examiner

Abstract

Nowadays everyone has a car in the world, everyone wants to have a car, as the number of vehicles is increasing, the risk of theft vehicles is also increasing. The online report shows that in the last year (2022) around 10 lakh vehicles have been stolen, this is a very serious problem, no one wants his car to be stolen, and there is fear in the car owner that the car will be stolen. To overcome this problem, we have developed a system in which the vehicle will not start without its owner. This system image processing-based Image processing-based real-time vehicle theft detection and prevention system provides the ultimate solution for this problem. In this paper, we describe the system which we designed at a low cost and this is an extendable framework. which is include FDS, a GSM module, and a control platform.

This paper proposes an intelligent anti-theft car security system, which uses biometric applications like Face Recognition to identify thieves. module which tracks and locates the car. face recognition system, and GSM (Global System for Mobile Communications) modules used for preventing vehicles from theft. The system described in this paper automatically takes photos of the driver and compares his or her face with the database to check whether he is an authenticated driver or not. The other modules transmit necessary information to users.

A car security system has become an essential part of all car owners as it ensures the safety of their properties. This system is necessary because the car is an expensive property so the loss due to theft is not compensable. The technologies for car security systems nowadays are evolving very fast each year. These car security systems almost cover controlling and managing appliances where the safety issue is the top priority.

As far as vehicle security is concerned, many options are available depending on the technology being adopted. Many auto theft alarms and devices are installed in cars, but they did not solve the customer's problems. GPS-based car/vehicle security system is one of the possible technology solutions and it is designed by several groups to identify the car/vehicle location upon getting it stolen. However, the issues in locking/unlocking and switching ON/ OFF, the car engine upon losing the keyless remote of the car are untouched.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, **Ms. Reena Babanrao Made & Ms. Shweta Suryakant Gaikwad** has satisfactorily completed the project work entitled "COLD AUTOMATION STORAGE" in partial ful fillment for award of **Bachelor of Technology** Degree in **ELECTRONICS & TELECOMMUNICATION ENGINEERING** by Shivaji University, Kolhapur.

Project Guide
Prof. T. H. Mohite

Head of department
Prof. M. M. Kolap

Principal
DR.S.B.Patil

External examiner

Abstract

Cold chain is one of the important tools for farmers of perishable produce, pharmaceuticals to connect with markets and to realize meaningful productivity. A dearth of continuous electricity, absence of any warning systems, and labour power add to the troubles of cold storage owners. A smart IoT connected device which acts as data acquisition device and a controller serves the problem solution. Food spoilage and subsequent imports can be reduced by modernization of storage and warehousing facilities through industrial automation and remote-control systems. But due to lack of technology and ignorance about humidity and temperature effect on raw foods; many times, food safety is not maintained well enough. In food industry, cold storage is a must, this kind of storage is to preserving the raw foods within for a certain period of time. For Food or Argo industries monitoring of the foods or materials which are rotten able are subject to constant monitoring; if just a simple thing goes wrong then it can become a result of a big loss. A home-grown solution to industrial automation that is cost, energy, and resource efficient with standard automation, control and communication features.

Dr. J. J. Magdum Trust's (No. E/902)

Dr. J. J. Magdum College of Engineering, Jaysingpur

Approved by A.I.C.T.E. New Delhi, Recognized by Govt. of Maharashtra (DTE)
& Affiliated to Shivaji University, Kolhapur

CERTIFICATE

This is to certify that, ***Mr. Abhishek Narendra Pawar, Mr. Chaitanya Arvind Kore, Mrs. Kajal S Patil*** *have satisfactorily completed the project work entitled* ***"Solar Tracking system with auto cut-off battery charging circuit and Inverter circuit"*** *in partial fulfillment for award of* ***Bachelor of Technology*** *Degree in* ***ELECTRONICS & TELE-COMMUNICATION ENGINEERING*** *by Shivaji University, Kolhapur.*

Project Guide
Prof.M.B.Bhilawade

Head Of Department
Prof. M. M. Kolap

Principal
Dr.Prof.S.B.Patil

External Examiner

Abstract

Sun is a very abundant source of power. Even so, only a fraction of the entire energy is harnessed and that too not efficiently. The main cause of this is the high cost of installation of solar cells. Also, solar cells are mostly kept fixed, so they do not obtain the optimum amount of sunlight throughout the day.A micro-controller based solar-tracking system is proposed in this project. The system checks the position of the sun and controls the movement of a solar panel so that radiation of the sun comes normally to the surface of the solar panel. The developed-tracking system tracks the sun in the single plane.

Simply tracking the sun's position is of no use if we cannot efficiently store the converted solar energy to electrical energy, in such a way that it is readily available whenever it is needed.Hence we are also designing an auto cut-off charging circuit which charges a battery up to the specified voltage of the battery and stores the electricity and stops the charging of the battery immediately. This prevents overcharging of the battery which is dangerous as well as it reduces the life of the battery.

Along with storing the energy we need to make sure that the required appliances should work properly on the power that is provided by the battery itself, so for that purpose we are also including an inverter circuit which will convert the low voltage DC supply into a standard 230V/50Hz AC supply.This will ensure that majority of the home appliances that we use in our day to day life are capable of working without any additional power supply.This being a small scale project certain parameters like the output voltage, No. of appliances that are connected and working will be limited because of the small solar panel used and the capacity of the battery used which produces low output. This can be varied according to our need and the desired result can be easily obtained.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, **Mr. Vinesh Vijay Kamble & Mr. Dhanappa Somaning Chikalakki** has satisfactorily completed the project work entitled "**Fire Fighting Robot**" in partial fulfillment for award of **Bachelor of Technology** Degree in **ELECTRONICS & TELE-COMMUNICATION ENGINEERING** by Shivaji University, Kolhapur.

Project Guide
Prof. M. U. Phutane

Head of department
Prof. M. M. Kolap

Principal
Dr. Prof. S. B. Patil

External Examiner

Abstract

Fire accidents have been occurring frequently these days, with or without the intervention of humans. A fire incident is a disaster that can potentially cause the loss of life, property damage, and permanent disability to the affected victims. Firefighters are primarily tasked to handle fire incidents, but they are often exposed to higher risks when extinguishing the fire, especially in hazardous environments such as nuclear power plants, petroleum refineries, gas tanks, etc. They also face other problems, especially if a fire breaks out in a small, cramped area, as they need to explore the ruins of buildings and obstacles to extinguish the fire and save the victim. In the case of high barriers and risks in firefighting activities, innovation can be used to assist the fire brigade. With the use of current technology, we have developed a fire-fighting robot. This firefighting robot uses MICROCONTROLER, ATmega328P, Different sensors fire sensors, smoke sensors, temperature sensors, etc. When the Robot detects a fire, it gives a message to the MICROCONTROLER. Then MICROCONTROLER sends the signal to the motor driver and thus water is sprayed in the direction of the fire. The firefighter robotic vehicle has a Night Vision camera, fixed in front of the robotic vehicle. A wireless smart night vision camera gives the video coverage of the surroundings even at night .this gives the robot an advantage over other firefighting robots. This robot is helpful in areas where natural calamity and bomb explosion occurs. It assists firefighters in extinguishing the fire. And it will perform its operation where firefighters can't reach. This will save the risk of fire fighters' life and avoid any further damage.

Dr. J. J. Magdum Trust's
Dr. J. J. Magdum College of Engineering,
Jaysingpur – 416101.

CERTIFICATE

This is to certify that, **Ms. Saniya Shakil Latif , Ms. Pradnya Arun Khot** have satisfactorily completed the project work entitled **"IoT Based Smart Locker System"** in partial fulfillment for award of **Bachelor of Technology** Degree in **Electronics and Telecommunication Engineering** by Shivaji University, Kolhapur.

Guide
Dr. S. R. Mahadik

Head,
Dept. of Electronics and
TelecommunicationEngg

Principal
Dr. S. B. Patil

External Examiner

ABSTRACT

The main purpose of this project is to design and implement a system based on a Password and a Radio- Frequency Identification RFID. This system is basically a password and an RFID based access-control system which permits only an authentic person to unlock. For doing this, the system will activate and authenticate the user. We have applied a security system via a passive type of RFID and a PASSWORD based on 8051 microcontroller. The RFID reader reads the ID number form RFID tag. Then enter the password from a Keypad, if the ID number of the tag and the password are correct, then the will unlock. The aim of constructing this system is to put in place a formidable locker security system with low cost and free of errors. As mankind leads into a new age of modernization, security issues and measures have become exceedingly important. Considering an educational institute or workplace, keeping one's belongings safely with a minimal interface is the need of the hour.

The traditional lock and key method of keeping personal items safe is clumsy and inconvenient. The recent developments in technology have provided innovative solutions to this problem. Gone are the days of the troublesome key and lock. Radio Frequency Identification (RFID), along with Internet-of-Things (IoT), is a secure, user-friendly and efficient method to safeguard things. This combination comes with advantages such as high security, simplicity, cost-effectiveness and 'misplace-proof' methodology. This paper proposes a Smart RFID-IoT based Locker system. The locker works on RFID authentication technology, which is unique to every identity card of the user. It is also enabled with Wi-Fi connectivity to facilitate continual status monitoring, user login-logoff data storage, and unauthorized access surveillance.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, **Mr. Omkar Vaibhav Vaidya & Mr. Tejas Gurudatta Gurav** has satisfactorily completed the project work entitled **"Labour Work Monitoring System"** in partial fulfillment for award of **Bachelor of Technology** Degree in **ELECTRONICS & TELE-COMMUNICATION ENGINEERING** by Shivaji University, Kolhapur.

Project Guide
Dr. S. R. Mahadik

Head of department
Prof. M. M. Kolap

Principal
D. Prof. S. B. Patl

External Examinar

Abstract

In past few years automation has reached to new revolution. Industrial relations is the term that describes how the management and the employees of a company interact with each other. We are going to implement this project in industries with the aim to monitor the work of labours. Designing a system which easy owner of industry/foundry by sitting in front of a single monitor and monitor its whole system is very profitable and time saving. The title of project is "Labour work monitoring system".

This system will record the operation time of the machine and also details of worker who is operation it. It can also be used to monitor safety and productivity of employees, but it also may help business financially. All the system is designed on basis of wed server, and microcontroller. This system is based on microcontroller and web server designing. In this project we are going to have an RFID for technicians, which will interface by the microcontroller AT89C51.The production data will be upload on the Web Server through Wi-Fi module (IOT).

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, **Ms. Gayatri Bharat Patil & Ms. Mohini Somnath Chavan** has satisfactorily completed the project work entitled "Advanced Bus Ticketing System" in partial fulfillment for award of **Bachelor of Technology** Degree in **ELECTRONICS & TELE-COMMUNICATION ENGINEERING** by Shivaji University, Kolhapur.

Project Guide
Prof. M. B. Bhilawade

Head of department
Prof. M. M. Kolap

Principal
D. Prof. S. B. Patl

External Examinar

Abstract

The use of bus traveling is a large growing business in all countries; the manual use of bus reservation is presently very strenuous and also consumes a lot of time by having to stay on a long queue. For this reason, an efficient system is to be proposed in this paper to ease the issue of bus reservation amongst indigenes within the country. The system is a web – based application that allows visitors to check bus availability, buy and pay bus ticket online, checking our route where we travel, Accident detection and emergency service.

Bus ticket booking during the offline era posed various difficulties to the customers as well as the bus operators. Offline ticket booking reduced the scope of customers to choose different options based on their travel criterion . Online ticketing could be extended to major entertainment and touristic sites and thus facilitate access to major points of interest within cities, making online ticketing also interesting for travelers .In this paper, the proposed Advanced bus ticket system was developed using Hyper Text Markup Language (HTML),Cascading Style Sheet (CSS), JavaScript, Embedded C By using keil, Proteus for designing PCB.

Dr. J. J. Magdum Trust's (No. E/902)

Dr. J. J. Magdum College of Engineering, Jaysingpur

Approved by A.I.C.T.E. New Delhi, Recognized by Govt. of Maharashtra (DTE) & Affiliated to Shivaji University, Kolhapur

CERTIFICATE

This is to certify that,

***Mr. SUDHIR DARYAPPA SALE & Mr. JAYESH SUNIL JATHAR** have satisfactorily completed the project work entitled "Automated Writing Machine" in partial fulfillment for the award of Bachelor of Technology Degree in Electronics & Telecommunication Engineering by Shivaji University, Kolhapur. 2022-2023*

PROJECT GUIDE
Prof. P. P. BELAGALI

HOD E&TC DEPT.
Prof. M. M. KOLAP

PRINCIPAL
Dr. Prof. S. B. Patil.

EXTERNAL EXAMINER

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Abstract

In The Era of Atomization nowadays more and more individuals are turning to robots to do their work, because robots are more versatile, accurate, and reliable and also reduce human efforts.

Aim of our project is to develop Automated Writing Machine which is like (Computer Numerical Control (CNC) plotter) compact and economical machine which plays significant role in our society by its engineering capabilities that helps the physically handicapped person to write / Doctors to write their prescription in neat and clean writing/ make labeling of itemsin grocery stores/ shopping malls/medical store / warehouses / storages etc.

The Bluetooth module is used for hands free and wireless operations. The robotic arm is programmed to write down the words that individual pronounces to the Mobile phone. Or type and text through mobile phone. To perform the writing operations, the robotic arm will be fitted with a pen. It can also make you draw sketches. Write label directly on masking tape. It will be a low cost device. After learning through the various websites, the utilization of ATmega328P microcontroller over Aurdino for implementation of CNC plotter machine. This CNC plotter is fabricated using two stepper motor, one servomotor and free open source processing software. Used to generate the G code file for the given data and the GRBL Controller processing software is used for feeding generated G-CODE. Files are feed into theATmega328p controller which controls the output devices.

Dr. J. J. MagdumTrust's
Dr. J. J. Magdum College of Engineering,
Jaysingpur – 416101.

CERTIFICATE

This is to certify that, **Mr. Prasad Popat Babar, Mrs. Bhagyashree Sambhaji Sonawale,** have satisfactorily completed the project work entitled **"Automatic Filling And Weighting Machine By using Android Application "** in partial fulfillment for award of **Bachelor of Technology** Degree in **Electronics and Telecommunication Engineering** by Shivaji University, Kolhapur.

Guide
Prof. P. P. Belagali

Head,
Dept. of Electronics and
Telecommunication Engg

Principal
Dr.S.B.Patil

External Examiner

Abstract

Many small scale food production business owners and small land medium scale Grocery Store owners do the process of weighing and packaging their product manually. Small and Medium scale food production business owners who particularly produce items like 'Rise' etc. has to do the weighing, filling and packaging process manually.

This project aims to develop such a machine which automatically weighs and fill the food with the help of microcontroller and sensors. Then idea is to manually place the bag, then automatic weighing and filling is done. The purpose of doing this project is to reduce human efforts and time consumption. The major advantage of this project is to decreasing machine cost. The machine design is based on simple mechanisms and it can be installed easily. The speed of weighing will result the more production and business. This process will reduce the number of paid workers.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that, **Mr. Chetan Sanjay Patil & Mr. Aniket Satish Patil Thorat** has satisfactorily completed the project work entitled "**Electric Power Generation Through Speed Breaker**" in partial fulfillment for award of **Bachelor of Technology** Degree in **ELECTRONICS & TELE-COMMUNICATION ENGINEERING** by Shivaji University, Kolhapur.

Project Guide
Prof. V. T. Kamble

Head of department
Prof. M. M. Kolap

Principal
Dr. Prof. S. B. Patil

External Examiner

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Abstract

In the present situation power becomes basic need for human life. Energy is responsible for major developments of any country's economy. Conventional energy sources generate most of the energy of today's world. But the population is increasing day by day and the conventional energy sources are diminishing. Moreover, these conventional energy sources are polluting and responsible for global warming. So, non-conventional sources are needed to be developed for power generation which are clean, environment friendly and sustainable. In this research we propose a renewable non-conventional energy source based on speed breaker mechanism.

Our project is to enlighten the streets utilizing the jerking pressure which is wasted during the vehicles passes over speed breaker in roadside. We can tap the energy generated by moving vehicles and produce power by using the speed breaker as power generating unit. The kinetic energy of the moving vehicles can be converted into mechanical energy through rack and pinion mechanism and this mechanical energy will be converted to electrical energy using generator which will be used for lighting the street lights. Therefore, by using this mechanism we can save lot of energy which can fulfill our future demands.

B.Tech CSE 2022-23
Project List

Grou	Roll	Name of Student	Remark/ Topic Name	Guide Name
G1	1	**pratiksha Gavali(L)**	Chatbot	Prof.A.V.Gundavade
	2	Neha Chavan		
	3	Hasnain Lakhani		
	4	Bishal Malakar		
G2	5	**Jivan Ananda Patil(L)**	Geofencing Hospitality	Prof.S.A.Narde
	6	Tejas Adhik Shinde		
	7	Pratik Parashram Jadhav		
	8	Shreyas Sunil Kamble		
G3	9	**Snehal Shivshant Patil(L)**	Construction Site Inspection by using Drone/UAV	Prof.Dr.D.A.Nikam
	10	Vivek Sanjaykumar Admuthe		
	11	Rushikesh Krishna Patil		
	12	Nischay Pradip Bhokare		
G4	13	**Vinayak Rajendra Sutar(L)**	Face Recognition attendance system	Prof.P.S.Ambupe
	14	Ajit mali		
	15	Mayuresh Mahesh Pujari		
	16	Sandesh Rajgonda Patil		
	17	MORE PRAJAKTA CHANDRAKANT		
G5	18	**Sanmay Anil Majlekar(L)**	Mail Customer Segmentaion	Prof.Dr.D.A.Nikam
	19	Prem Subhash Hogade		
	20	Sourabh Shivkumar Kesharwani		
	21	Vishwjeet Vijay Powar		
G6	22	**Saurabh Shivaji Daware(L)**	Urban Emergency Even Detection Using Social Media	Prof.Dr.D.A.Nikam
	23	Priyanka Mahadev Bamnale		
	24	Aishwarya Ashok Patil		
	25	Ruchita Uddhav Bhosale		
	26	AVADOBA SHAILESH KESHAV		
G7	27	**Mahesh Siddhu Dhangar(L)**	E- Health Care Cloud Solution	Prof. S.S.Satpute
	28	Aniket Govind Todkar		
	29	Pratik Rajendra Jatrate		
	30	Sourabh Bapuso Kole		
	31	BHANDARE ABHISHEK SANJAY		
G8	32	**Shraddha Rajendra Kore(L)**	Sponsored Website for Jewellery shop	Prof.A.V.Gundavade
	33	Sonika Hanmantrao Mahind		
	34	Takshak Vikram Desai		
	35	Komal Dewadas Dhok		
G9	36	**Aakanksha Kumbhar(L)**	Automatic Billing trolley	Prof.A.V.Gundavade
	37	Siddhi Shrirang Kundale		
	38	Rutuja Vijay patil		
	39	Tanuja Shivaji Sawant		
G10	40	**Manali Balasaheb Narute(L)**	Weather Forcast	Prof.P.V.Kothawale
	41	Sakshi Anil Patil		
	42	Karan Pandurang Kumbhar		
	43	Rija Kudartali Bagwan		
G11	44	**Harshwardhan Shinde(L)**	E-Prescription	Prof.P.S.Pathak
	45	Siddharth Ashok Khubikar		
	46	Abhishek Deelip Unde		
	47	Shreyas Haridas Shirke		

Dr. J.J. Magdum College of Engg. Dept. of CSE Jaysingpur 416101

DR. J.J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

G12	48	**priyanka uttam yedage(L)**	Activity Monitoring For Smart Campus	Prof.P.V.Kothawale
	49	uttara uday repe		
	50	rutuja uttam patil		
	51	UTTURE OMKAR ANIL		
G13	52	**Harshal Rajgonda Chandob**	Sponsored website for Society	Prof.P.V.Kothawale
	53	Radhika Raosaheb Bhosale		
	54	Nutan Rajendra Sawant		
	55	Aditi Suresh Patil		
G14	56	**Nihal Jamil Shaikh(L)**	IOT Based Advertizing Display	Prof. R.D.Mane
	57	Harshvardhan Rajendra Patil		
	58	Prathamesh Vishnu Rokade		
	59	Pramod Vijay Powar		
G15	60	**Prajakta Shashikant Patil(L**	Video Summerization For Servillence	Prof.P.S.Pathak
	61	Amruta Shinde		
	62	Purva Takale		
	63	Sanket Patil		
G16	64	**Pournima Adgane(L)**	Smart EV Charging Station	Prof. S.S.Satpute
	65	Isha Patil		
	66	Sakshi Jagdale		
	67	Kiran Narute		
G17	68	**Snehal Bhanase(L)**	Woman Safety App	Prof.S.B.Farade
	69	Kshitija Chavan		
	70	Pranav Gidde		
	71	Siddhesh Godhade		
G18	72	**Sadiya Ramjan Nadaf(L)**	Task Management application	Prof.S.A.Narde
	73	Rutuja Tanaji Kamble		
	74	Dhanashri Nilkanthrao Ghatage		
	75	Pratiksha Rajendra Jangam		
G19	76	**Kedar Indrajeet Sutar(L)**	Diabetes Prediction Using ML	Prof.S.B.Farade
	77	Roshankumar Nayaku Lavate		
	78	sankita katekar		
	79	Joya shaikh		
G20	80	**Samruddhi Dixit(L)**	Thyroid Detection Using ML	Prof. R.D.Mane
	81	Kranti Wani		
	82	Anjali Mali		
	83	Sonali Mohite		

Prof. P. S. Pathak
DRC Head

Prof. D. A. Nikam (HOD)
HOD

Dr. J. J. Magdum College of Engg. Dept. of CSE Jaysingpur

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that,

Miss. Pratiksha Popat Gavali (Team Leader)

Miss. Neha Pradip Chavan

Mr.Hasnain Rizwan Lakhani

Mr.Bishal Benu Malakar

have satisfactorily completed the Project Phase –II entitled **"Chattery The Chatbot"** in partial fulfillment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur in Academic Year-2022-23 Semester-II.

Mrs. A.V.Gundavade.
Project Guide

Dr. D. A. Nikam.
Head Dept.CSE

Principal

External Examiner

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr. Jivan Ananda Patil

Mr. Tejas Adhik Shinde

Mr.Pratik Parashram Jadhav

Mr.Shreyas sunil kamble

have satisfactorily completed the Project work entitled **"Geofencing Hospitality"** in partial fulfillment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur in Academic Year-2022-23.

Prof. S. A. Narde
Project Guide

Dr. D. A. Nikam
Head
CSE Department

External Examiner

Dr. S. B. Patil
Principal

Abstract

The main problem here is to reduce resource consumption in digital [illegible] and increase accuracy in proper customer targeting. Using geofence [illegible] in android based application to increase marketing and advertising as well as [illegible] targeting accuracy. Proposing geofences to small scale and large scales [illegible] business, android application to push notification and advertises to customer [illegible].

Providing material based user interface in android application for better user [illegible] and improove selectivity in e-market for user. Ensuring security of users and [illegible] officials in geofencing based marketing and advertising application. Breaking [illegible] process of creating geofences into simple methods and also creating easy [illegible] to push notification. Increasing accuracy of geofences and performance of [illegible] to improve marketing and advertisement with highly selective and accurate [illegible] target in selected market area.

The geo-fencing technology provides simplified solution to all kinds of [illegible] and buffer analyses. It can be used for all mapped objects existed in charts [illegible] data sets, both static and dynamic. It takes a major step from a mobile based [illegible] infrastructure-based Geo-fencing system.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering,
Jaysingpur.

CERTIFICATE

This is to certify that,

Snehal Shivshant Patil	09
Vivek Sanjaykumar Admuthe	10
Rushikesh Krishna Patil	11
Nishchay Pradip Bhokare	12
Sneha Rajkumar Chhachwale	03
Aditya Dadaso Desai	04

Have satisfactorily completed the Project Work entitled **"Construction SiteInspection by using Drone or UAV"** in partial fulfillment for award of **Bachelor of Engineering** Degree in **Computer Science & Engineering and Civil Engineering** by Shivaji University, Kolhapur in Academic Year-2022-23

Dr. D. A. Nikam
Project Guide

Dr. D. B. DESAI
Project Guide

External Examiner

Dept. of CSE

Head
Dept. of Computer Science & Engineering.

Head
Dept. of Civil Engineering.

Dr. Mrs. S. B. Patil
Principal

Abstract

The use of drones is steadily growing in many industries. Recent technological developments in many sectors are utilizing the fast-evolving scientific tools and implementing clever solutions to address pressing issues in the actual world. One of the primary applications of drones is the planning and monitoring of construction and infrastructure development activities, where performance and speed can be greatly enhanced.

Our Construction Site Inspection by using Drone or UAVis based on organized real-time data that is gathered using a variety of cutting-edge instruments, such as drone, sensors camera, video camera, imaging camera, and sensors, etc. and by real time temperature, wind pressure, by checking environment level ground. We can detect road path, material storage, material quantity also. Advanced software is used to analyze the data, enabling better operations, planning and adjusting. Obtaining the high-resolution pictures and videos requires monthly, biweekly or preliminary information preparation of the construction of work progress control over and compliance monitoring for workplace safety and security.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr.Vinayak Rajendra Sutar

Mr. Ajit Raju Mali

Mr.Mayuresh Mahesh Pujari

Mr .Sandesh Rajgonda Patil

Ms.Prajakta Chandrakant More

have satisfactorily completed the Project work entitled **"Face Recognition Attendance System"** in partial fulfillment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur in Academic Year-2022-23 Semester-I.

Prof.P.S.Ambupe
Project Guide

Dr. D. A. Nikam
Head
CSE Department

External Examiner

Dr. S. B. Patil
Principal

Synopsis

Abstract

Project background

In the face detection and recognition system, the process flow is initiated by being able to detect the facial features from a camera or a picture store in a memory. The algorithm processes the imagecaptured and identifies the number of faces in the image by analyzing from the learned pattern andcompare them to filter out the rest. This image recognition uses multiple algorithm that takes facialfeatures and compare them with known database.

The motivation behind this project is to simplify the means by which attendance is taken during lectures and how much time it takes. The use of ID cards or manually calling out attendance and writing it down on sheets is not productive and efficient. This system will detect the number of faces on the class and will also identify them from the store database. With the face detection andrecognition system in place, it will be easy to tell if a student is actually present in the classroom or not.

This project is done by students as a final year project at Kingston University London in 2018.

The system will be presented an image either via camera or from memory and it must detect the number of faces on it automatically. After identifying faces, the system should crop the faces from the image and store them in memory for image recognition which will be done in the second step.The system should be able to automatically count the number of faces appearing on the image.

The second step will be the recognition part where the system will be able to match faces from the stored dataset and compare it to the input data from the first step. A software will be usedfor this system which automatically sorts out the faces. The software will be interactive so to facilitate interaction between multiple tasks as required. Because the system has two steps, the second phase of the system will involve the training of images on a dataset that are to be used forrecognition.

The project is done by students as a final year project at University of Nairobi in 2012.

The system will comprise of two modules. The first module a.k.a face detector is a mobile component, which is basically a camera that captures student faces and stores them in a file usingcomputer vision face detection algorithms and face extraction techniques. The second module is adesktop application that does face recognition of the captured images (faces) in the file, marks thestudents register and then stores the results in a database for future analysis.

[illegible] done by students as a final year project at University Tunk [illegible]

[illegible] face recognition-based student attendance system. This method is [illegible] and begins with the input of an image either loaded from memory or [illegible] pre-processes the facial features and extracts it followed by subjective [illegible] the recognition of the facial images from known database. Both LBP [illegible] methods are studied in detail and computed in this approach in [illegible] comparisons. LBP is enhanced in this approach to reduce the illumination [illegible] to combine enhancedLBP and PCA is also designed for subjective [illegible] increase the accuracy.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr. Sanmay Anil Majalekar

Mr. Prem Subhash Hogade

Mr. Sourabh Shivkumar Kesharwani

Mr. Vishwajeet Vijay Powar

have satisfactorily completed the Project work entitled **"MALL CUSTOMER SEGMENTATION "** in partial fulfillment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur.

Prof. Dr.D.A.Nikam
Project Guide

Dept. of CSE

Prof. Dr.D.A.Nikam
Head
CSE Department

External Examiner

Prof .Dr. S. B. Patil
Principal

ABSTRACT

The method involved with gathering clients and dividing into segments of people who share normal [illegible] is called Customer Segmentation. This division empowers advertisers to make target on [illegible] gathering of clients which builds the possibilities of the individual purchasing an item. It [illegible] them to make and utilize explicit correspondence channels to communicate with various [illegible] about their product and attract them. A basic model would be that the organizations [illegible] to draw in the everyone through web-based media posts through mail. This helps the [illegible] in laying out better client connections and their general presentation as an [illegible].

Customer segmentation is a separation of a market into multiple distinct groups of consumers who [illegible] similar characteristics. Segmentation of market is an effective way to define and meet [illegible] needs. Unsupervised Machine Learning technique K-Means Clustering Algorithm is used [illegible] Market Basket Analysis. Market Basket Analysis is carried out to predict the target [illegible] who can be easily converged, among all the customers. In order to allow the marketing [illegible] plan the strategy to market the new products to the target customers which are similar to [illegible].

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that,

Mr. Saurabh Shivaji Daware,
Miss. Priyanka Mahadev Bamnale,
Miss. Aishwarya Ashok Patil,
Miss. Ruchita Uddhav Bhosale,
Mr. Shailesh Keshav Avadoba

have satisfactorily completed the project entitled "URBAN EMERGENCY EVENT DETECTION USING SOCIAL MEDIA" in partial fulfillment for award of Bachelor of Engineering Degree in COMPUTER SCIENCE AND ENGINEERING by Shivaji University, Kolhapur.

Guide
Dr. Prof. D. A. Nikam

Head of CSE Dept,
Dr. Prof. D. A. Nikam

Principal
Dr. Mrs. S. B. Patil

Dr. J. J. Magdum College of Engg. ★ Dept. of CSE ★ Jaysingpur-416101

External Examiners

Abstract

In this project, we propose an artificial intelligence based real time disaster response system. Detection about urban emergency events, e.g., fires, storms, traffic jams is of great importance to protect the security of humans. Recently, social media feeds are rapidly emerging as a novel platform for providing and dissemination of information that is often geographic. The content from social media usually includes references to urban emergency events occurring at, or affecting specific locations. Twitter is a popular social media platform with more than 1 million daily active users. Mostly, all breaking news is posted earlier in twitter than any mainstream media.

Hence, this microblogging social network experiences a deluge of information flow during natural disasters. Situation based mining of information from the twitter data, can play a significant role in disaster response and recovery.

An automated system that could retrieve relevant information from this enormous twitter data during a disaster, could be useful for the disaster relief volunteers to accomplish their duty efficiently amidst the chaos.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that,

Mr. Mahesh Siddhu Dhangar.

Mr. Aniket Govind Todkar.

Mr. Pratik Rajendra Jatrate.

Mr. Sourabh Bapuso Kole.

Mr. Abhishek Sanjay Bhandare.

have satisfactorily completed the Project entitiled "***E-Health Care Cloud Solution***" in partial fulfilment for award of Bachelor of Engineering Degree in *Computer Science and Engineering* by Shivaji University, Kolhapur in Academic Year 2022-23.

Guide
Prof. Mrs. S.S. Satpute

Head,
Dept. Of Computer Science
And Engineering.

Principal

External Examiner

ABSTRACT

Previously, patient reports were submitted to hospitals in the form of documents. There will be more space to keep patient reports. When an old patient comes to the hospital, it takes a lot of time to find his document. It is total wastage of paper. The documentation report is not secure. Anyone can destroy the document easily. And to stop all this, we have come up with a new idea. It called E-health care cloud solution each patient report will save on the cloud. In this, Data will be safe and secure. Cloud computing is a new way of delivering computing resources and services. Many managers and experts believe that it can improve health care services, benefit health care research, and change the face of health information technology. The data are important and vital for decision making and delivering the best care for patients.

Cloud computing is a cost-effective method that facilitates real-time data collection, data storage and exchange between healthcare organizations. Cloud infrastructure is characterized with a high throughput and a high-volume storage; two important factors for efficient data analysis of large patients' population. Security and privacy are of the major concerns for using cloud-based healthcare services. Data security continues to be one of the top concerns for cloud computing, an issue that's been intensified by recent high-profile attacks in healthcare. The encryption solution has to be quick and easy to provision and provides high levels of protection without sacrificing network performance. It's another way to provide a critical layer of security to protect the customers. In this work, we are interested in data encryption in healthcare cloud. Authentication is a first step for data security, through which user can establish proof of identities prior data access from system. In cloud computing environment, conventional authentication methods do not provide strong security against today's most modern means of attacks. So cloud needs a dynamic approach for user authentication which should include more than one credentials for authentication. we propose a data security architecture with a robust, dynamic and feasible Multi-Factor Authentication (MFA) scheme which integrates more than one factors like OTP for cloud user authentication

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Miss. Shraddha Rajendra Kore

Miss. Sonika Hanmantrao Mahind

Mr. Takshak Vikram Desai

Miss. Komal Dewdas Dhok

have satisfactorily completed the Project entitiled "**Vaishanvi Jewellery Web Application**" in partial fulfilment for award of Bachelor of Engineering Degree in Computer Science and Engineering by Shivaji University, Kolhapur in Academic Year 2022-23.

Mrs. A.V. Gundavade
Project Guide

Dr.Mrs.D.A.Nikam
Head of Department

External Examiner

DR.S.B.Patil
Principal

ABSTRACT

"Vaishanvi jewellery web apllication" is an innovative application program designed to revolutionize the way people discover and purchase the latest designs of jewellery across various categories such as Gold, Silver, and Diamond. By leveraging the power of technology, this platform aims to provide a seamless and convenient online shopping experience for customers. In today's digital age, traditional brick-and-mortar jewellery shops are increasingly transitioning to online platforms. With this application, the cumbersome administrative tasks associated with paperwork are eliminated as the system efficiently manages data in a digital format. The application is accessible through both desktop and mobile devices, ensuring convenience and accessibility for users.

By centralizing all registration activities, users have complete control over their shopping experience. They can easily browse through a wide range of jewellery options, view detailed product information, and make secure transactions online. The system also offers personalized recommendations based on user preferences, enhancing the overall shopping experience. One of the significant advantages of this application is its ability to generate various types of reports, such as PDF's and Excel sheets. These reports are crucial for the management team when organizing events or analysing sales data. By providing these reports in digital formats, the application eliminates the need for manual data collection and processing, saving time and effort for the management.

Moreover, this application aims to streamline the process of managing transactions and historical data related to various gods and religious events. By automating these tasks, it reduces the manual effort required and ensures accuracy in record-keeping. The application also allows users to access information about upcoming events, providing them with a comprehensive overview of the jewellery offerings associated with specific occasions.

Overall, the " Vaishanvi jewellery web apllication " application is a cutting-edge solution that empowers users to conveniently find and purchase their desired jewellery online. By leveraging technology, it simplifies administrative tasks, enhances the shopping experience, and provides valuable insights for event organization and data analysis. With its user-friendly interface and efficient functionality, this application sets a new standard in the world of online jewellery shopping.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Aakanksha Bharat Kumbhar	36
Siddhi Shrirang Kundale	37
Rutuja Vijay Patil	38
Tanuja Shivaji Sawant	39

have satisfactorily completed the Project work entitled **"Automatic Billing Trolley"** in partial fulfillment for award of **Bachelor of Engineering** Degree in **Computer Science & Engineering** by Shivaji University, Kolhapur in Academic Year-2022-23

Project Guide
Prof.A.V.Gundavade

Head
Dept. of Computer science & Engg.

External Examiner

Dr.Mrs.S.B.Patil
principal

Dr. J.J. Magdum College of Engg. Dept. of CSE Jaysingpur-416101

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Abstract

The modern age of technology in which most of the customer needs to wait in the supermarket for shopping because it is a highly time-consuming process. A huge crowd in the supermarket at the time of discount offers or weekends makes trouble to wait in long queues because of billing process. Looking at the today's conditions the contactless system has a huge need in society. The lesser we make contact it will be more beneficial for the health. This project proposes the same objective to make the shopping contactless. In this project we designed the system which will make the bill automatically and also has a contactless payment method. The project is based on raspberry pi. The raspberry pi with load cell, sensors and motors are integrated with trolley. The trolley has a barcode scanning system. When user wants to put product in trolley, customer has to scan the product. Motors are used to open the trolley door to put products inside it when the product is scanned. The weight sensor calculates the added weight and compares it with the weight of product saved at the database. If it didn't match it will trigger the shop owner or lock the trolley. When the product is scanned the amount of product is added to that specific trolley bill. When the shopping is over it will generate a bill and send it on the app designed for this system. Then in that app user can make payment using the app wallet and complete the transaction. After the payment the trolley door will be open and user can collect all his goods.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Miss. Manali Narute
Miss. Sakshi Patil
Mr. Karan Kumbhar
Miss. Rija Bagwan

have satisfactorily completed the Project Phase –I entitled **"Weather Forecasting and Air Quality Analysis (using python)"** in partial fulfillment for award of Bachelor of Technology Degree in Computer Science & Engineering by Shivaji University, Kolhapur in Academic Year-2022-23

Prof. P.V. Kothawale
Project Guide

Dept. of CSE
Dr. J.J. Magdum College of Engg. Jaysingpur-416101

Head
CSE Department

External Examiner

Principal

Abstract

Weather prediction, in general, is a complex process and challenging task. It requires various parameters to forecast the weather. Monitoring and predicting weather help in various fields like agriculture, travel, pollution dispersal, communication, disaster management, etc. Nowadays, weather forecasting plays a vital role in every day-to-day aspect, utilizing the needs of a common man to research scientists

The model involves the use of concepts related to artificial intelligence under Deep Learning and also predicts the air quality data generated from the devices with speed computation. It uses API for predicting the air toxicity. The results obtained show that it can estimate the weather conditions more precisely and accurately.

Air quality has a significant impact on human health. Degradation in air quality leads to a wide range of health issues, especially in children. The ability to predict air quality enables the government and other concerned organizations to take necessary steps to shield the most vulnerable, from being exposed to the air with hazardous quality.The Air Quality Index (AQI) is used for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you.

The model will be built in such a way that it will predict the air toxicity by accessing the location of the device or if we enter a particular location in the model then also it is capable of predicting the air toxicity. After predicting the air quality model will give the advice and will tell the cares to be taken when we go outside.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr. Harshwardhan Anandrao Shinde.

Mr. Siddharth Ashok Khubikar.

Mr. Abhishek Deelip Unde.

Mr. Shreyas Haridas Shirke.

have satisfactorily completed the Project entitled **"E- Prescription"** in partial fulfillment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur in Academic Year-2022-23.

Prof. P. S. Pathak
Project Guide

Dept. of CSE
Dr. J.J. Magdum College of Engg. Jaysingpur-416101

Dr. D. A. Nikam
Head
CSE Department

External Examiner

Dr. S. B. Patil
Principal

DR. J.J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Abstract

In our country prescriptions in hospitals are still written by hand. but sometimes that written handwriting is not understandable by pharmacist which causes major problems like wrong drugs or wrong quantity of drug taken by patient. World Health Organization (WHO) reports states that 2.6 million deaths occur due to medical and its prescription errors. Many of the errors related to the wrong drug/dosage administration by caregivers to patients due to indecipherable handwritings, drug interactions, confusing drug names, etc. Sometimes no past medication history leads to miscommunication of medicine process continuation as well. Also if the patient forgets the medicine name, dosage, he /she has to keep contacting the doctor again and again. To solve these issues our voice-based "E-prescription" will play an important role. We are using Natural Language Processing (NLP) technique to convert the speech voice input to the text format.We are using APIs for English and Hindi languages, and for Marathi we are going to create our own API.

Keywords: Speech Recognition, API (Application Program Interface), NLP (Natural Language Processing).

Dr. J. J. Magdum Trust's
Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Roll No.	Name of Students	Sign
48	Miss. Priyanka Uttam Yedage	Yedage
49	Miss. Uttara Uday Repe	Uttara
50	Miss. Rutuja Uttam Patil	Patil
51	Mr. Omkar Anil Utture	Utture

have satisfactorily completed the project work entitled **"Activity Recognition System for smart campus"** in partial fulfillment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur in Academic Year-2022-23 Semester-I.

Prof. P. V. Kothawale
Project Guide

Dr. D. A. Nikam
Head of CSE Department

Dr. S. B. Patil
Principal

External Examiner

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

Abstract

The pervasive use of cameras at indoor areas on account of recording the activities has resulted into deluge of long video data. Such surveillance videos are characterized by single or multiple entities (persons, objects) performing the activities. The main goal of this system is recognizing activities for labs and classes. Activity recognition from surveillance videos is an important research domain in computer vision. Activity recognition is a challenging research area having possible implementation in various aspects of our life. Detecting the activities from videos is very challenging due to equivocal nature of anomalies, context at which events took place, lack of ample size of anomalous ground truth training data and also other factors associated with variation in environment conditions, illumination conditions and working status of capturing cameras. It can be beneficial in automation, surveillance, vigilance, assisted living, etc. However, today, CCTV surveillance is set up with camera networks in almost every public area such as campuses, airports and government buildings for safety and security purposes. The detection of human activities in surveillance videos attracts increasing attention from academia, industry, and security agencies. Use of deep learning techniques for activity detection is still in ascent stage Deep learning models like convolution neural networks, auto-encoders, Long Short Term Memory network models have achieved remarkable performance on different domains like image classification, object detection, speech processing, and expediting towards achieving excellence in activity detection tasks. So that this system aims to studying and analyzing deep learning techniques for video-based activity detection.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr. Harshal Rajgonda Chandoba

Miss. Radhika Raosaheb Bhosale

Miss. Nutan Rajendra Sawant

Miss. Aditi Suresh Patil

have satisfactorily completed the Project Phase –II entitled **"MALE V.I. K.A.S CO-OPRETIVE SOCIETY"** in partial fulfillment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur in Academic Year-2022-23 Semester-II.

Prof. P. V. Kothawale
Project Guide

Dr. D. A. Nikam
Head
CSE Department

External Examiner

Principal

Abstract

In this project we review technologies useful for design and development of Website. We also discuss about technologies that are used at the client side and server side of web development. This website development process comprised of six phases: requirements, content, design, development and many more.

This website will helpful for society members for accessing their own information. Society allows overdraft facility to their members so whenever member needs money he can even withdraw more money. The security is also provided. The people who live in village they may be owner of society or member.

The largest organization providing loans to farmers at the village level is the various working societies. In rural areas. Co-operative Societies provide credit to farmers, these societies are the main support of farmers. Crop loans are also given to farmers through these societies. Apart from crop loans, the societies also provide loans for fertilizers, seeds, agricultural implements. Societies have made a valuable contribution in freeing the farmers from the trap of moneylenders.

The board of directors of the society has been obliged to submit the annual work report every year after the end of March and it has to be audited every year. Due to this, there is a possibility of curbing the malpractices in the societies to a large extent.

In co-operative society website in this era, people are very busy with their routine work. The time for visiting co-operative society and then filling application for loans, No Objection Certificate, various loans, certificates people need to spend lot of time in it.

We have developed the system for co-operative society, so that society members can apply for loan, track status of loans, get certificates & complain form anywhere any time and then co-operative resolve the Complain as soon as possible. The main purpose of this site is to apply for loans, track status of loan, lodge complaint easily by visiting website. Who can use the system. In this society helping system there are three types of users one is Admin, member of society and the third rest of all other people.

The Purpose of Male Progressive Co-operative Society Website is to Automate the existing manual system by the help of computerized equipment fulfilling their requirements, so that their valuable data & useful information records can be stored for a longer period with easy accessing and manipulation of the same. The aim of Website is to Provide Good Performance and Better services to the clients (Stakeholders) of the society

Dr. J. J. Magdum College of Engineering

Dr. J. J. Magdum Trust's
Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr. Nihal Jamil Shaikh

Mr. Harshvardhan Rajendra Patil

Mr. Prathamesh Vishnu Rokade

Mr. Pramod Vijay Powar

have satisfactorily completed the Project entitled **"IOT based advertising display"** in partial fulfillment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur in Academic Year-2022-23.

Prof. Rohit D. Mane
Project Guide

Dr. D. A. Nikam
Head
CSE Department

External Examiner

Dr. S. B. Patil
Principal

Abstract

[illegible] network of physical things or object that contain embedded technology to interface and sense [illegible] their internal states or the external setting. Automation is the most often spelled term [illegible] the field of electronics. The hunger for automation brought several revolutions within the [illegible] technologies.

[illegible] digital boards could be a primary factor in any establishment or public places like bus [illegible] railway stations, colleges, malls etc. Sticking out numerous advertise day to day could be a [illegible] A separate person is needed to take care of this advertising display.

This [illegible] regarding advanced wireless Advertising board. In IOT based Web Controlled [illegible] board, Internet is employed to wirelessly send the message from Browser to the display. A [illegible] server is created, this could be a global server over net.

[illegible] pi, display monitor or TV is used to monitor the specific advertisement. Whenever [illegible] receives any wireless message from internet through Wi-Fi, it displays on the monitor. The [illegible] things (IOT) belief system can be looked as an exceptionally unique and radically [illegible] networked system composed of a very large number of identifiable smart objects. These [illegible] and to interface among themselves, with end- users or different elements in the [illegible]

[illegible] the use of Internet of Things, the use of small and flexible computer hardware that allow end- [illegible] become present. One of them, considered in this, is the Single Board Computer, fully [illegible] and programmable small computer board.
[illegible] for sending information and Raspberry pi is connected to internet at the receiving side. [illegible] to this a website which is developed for uploading data can be controlled on the admin's [illegible] or even mobile phone can serve the same purpose. This application also can be developed [illegible] of a speech to text converter in future scope. So the admin can send text messages through [illegible] voice.

Dr. J. J. Magdum Trust's
Dr. J. J. Magdum College of Engineering,
Jaysingpur – 416 101.

CERTIFICATE

This is to certify that,
Miss. Prajakta Shashikant Patil.
Miss. Amruta Vinayak Shinde
Miss. Purva Pandurang Takale.
Mr. Sanket Shantinath Patil.

have satisfactorily completed the project entitled "VIDEO SUMMERIZATION OF SURVEILLANCE CAMERA" in partial fulfilment for award of Bachelor of Engineering Degree in COMPUTER SCIENCE AND ENGINEERING by Shivaji University, Kolhapur.

Guide
Prof. P. S. Pathak

Head of CSE Dept,
Dr. Prof. D. A. Nikam

Principal
Dr. Mrs. S. B. Patil

External Examiners

DR. J.J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

ABSTRACT

The need for automated security devices is increasing at an unexpected rate. Operator controlled video surveillance is tiresome and hence automated video surveillance systems are on-demand. Automatic detection of moving objects can be greatly used in places like forest borders and other isolated places.

Closed-circuit television (CCTV) or video surveillance is the most useful technology mostly used in the field of security purposes. CCTVs can be found at many places ranging from public to private places. One of the most challenging problems in installing the CCTV cameras at large scale is storage space occupied by the footage. Footage is mostly stored in secondary storage devices like hard disk drives. So, to reduce the storage space, compression techniques are applied.

The proposed idea is to remove the adjacent redundant frames. We are proposing a method to optimize the storage space occupied by the CCTV footage by deleting the redundant frames by comparing the adjacent frames. When motion is detected, the qualitative speed is determined by comparing the Euclidean distance between two successive frames following which an optimal threshold value is set to determine and store only the key frames in order to optimize the storage.

The recorded videos with reduce the size are continually stored in the local storage (PC), and are uploaded to the cloud server at midnight and are deleted from the PC. The video recorded by the webcam is simultaneously live streamed to an IP address-based web page. The approach will optimize the storage maintaining the information as well as quality of the video clip.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum College of Engineering,

Jaysingpur – 416 101.

CERTIFICATE

This is to certify that,

Pournima Vidyasagar Adgane

Isha Jayant Patil

Sakshi Balasaheb Jagdale

Kiran Rajendra Narute

has satisfactorily completed the project work entitled "*(SMART EV CHARGING STATION)*" in partial fulfillment for award of Bachelors of Engineering Degree in *COMPUTER SCIENCE* by Shivaji University, Kolhapur.

Guide

Prof. S. S Satpute

Principal

Dept. of CSE

Head,

Dept. of CSE

External Examiner

Abstract

Currently we are facing issues related to lack of fuel and hence we are facing the problem of rise in the price of fuel. So people are shifting to the Electric Vehicles. Because Electric Vehicles are more efficient, and that combined with the electricity cost means that charging an Electric Vehicle is cheaper than filling Petrol for your travel requirements. Using renewable energy sources can make the use of electric vehicles more eco-friendly. But people are facing problem because of lack of number of availability of charging stations. At the same time the requirement of public charging portals is not sufficient to meet the demand of the consumers even if there are few Electrical vehicles manufacturing companies are available, they are not providing that charging stations, and it is necessary to increase the number of charging stations.

Electric vehicles are a relatively recent technology that is seeking place in the market. It has several advantages, such as the reduced greenhouse emissions, fuel savings and easy to use.

Transportation electrification is one of the essential components in the future smart planning and electric vehicles. Charging stations are the main source of energy for EVs and their locations are critical to the accessibility of EVs in a city. They should be carefully planned so that an EV can access a charging station within its driving range,

The charging stations successfully developed as desired features for electric vehical from renewable energy resources. This project is about charging E-vehicle module using Smart EV charging station and also there is a new term QR code, so user not need to carry all the time by just having mobile application user can do charging

Dr. J. J. Magdum Trust's
Dr. J. J. Magdum College of Engineering,
Jaysingpur – 416 101.

CERTIFICATE

This is to certify that,
Miss. Snehal Suryappa Bhanase.
Miss. Kshitija Sandip Chavan
Mr. Pranav Pradip Gidde
Mr. Siddhesh Shivaji Godhade

have satisfactorily completed the project entitled "WOMEN SAFETY ANDROID APPLICATION" in partial fulfilment for award of Bachelor of Engineering Degree in COMPUTER SCIENCE AND ENGINEERING by Shivaji University, Kolhapur.

21/6/23
Guide
Prof. S.B. Farande

Head of CSE Dept.
Dr. Prof. D. A. Nikam

Principal
Dr. Mrs. S. B. Patil

External Examiner

Abstract

In today's world Victimization sensible phones having multiplied and the sensible phones may be used expeditiously for private security. A bunch of latest apps are developed to produce a security system to girls via their phones. per the reports of World Health Organization NCRB Social Government Organization thirty-fifth girls everywhere the planet square measure facing a great deal of unethical Physical harassment publicly places like Railways, Bus- stands and pathway, etc. during this paper, we've got reviewed of assorted existing systems on women security. we have got the requirement of advanced girls security system to provides the safety live publicly places likewise as travelling alone through public transports such as college Buses, Company Vehicles etc. This paper projected a brand-new model for the women security publicly places that aims to produce the 100% safe setting. Hence, GSM is most commonly-liked for this mode of dominant in this application we square measure mentioning a switch. We offer numerous varieties of ways to access.

Keywords :- Android, GPS, Location, Emergency

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Miss. . Sadiya Ramjan Nadaf

Miss. . Rutuja Tanaji Kamble

Miss. Dhanshri Nilkantrao Ghatage

Miss. . Pratiksha Rajendra Jangam

have satisfactorily completed the Project entitled **"BASECAMP (KANBAN BOARD)"** in partial fulfillment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur in Academic Year-2022-23

Prof.S.A.Narde
Project Guide

Head
CSE Department

Principal

External Examiner

Dr. J. J. Magdum College Of Engineering , Jaysingpur

Abstract

Using of Kanban in software development is an emerging topic. This systematic literature review was conducted in order to analyse the current trend of Kanban usage in software development and to identify the obtained benefits and involved challenges. The search strategy resulted in 492 papers, of which 19 were identified as primary studies relevant to the research.

The main reported benefits of using the Kanban method were improved lead time to deliver software, improved quality of software, improved communication and coordination, increased consistency of delivery, and decreased customer reported defects. The reported challenges included lack of knowledge and specialized training as well as various organizational issues.

Additionally, suggested practices were extracted from the primary studies and summarized for guiding the practitioners interested in adopting Kanban. The findings of this literature review are intended for helping researchers and practitioners to gain a better understanding of the current state of Kanban usage in software development.

Kanban approach in software engineering through a systematic literature review. This systematic literature review encompasses the current knowledge, gained benefits, and faced challenges while using Kanban in software development, and also identifies the research gaps and opportunities for future research in the area. This review will be highly important for practitioners who want to stay up to date with the state of research. On the other hand, it can provide new research areas and opportunities to be explored.

Problem Statement:

Find workflow bottlenecks on the kanban board.

The kanban board is a perfect tool for visualizing potential problems in your process.

The logic is simple: if you see a columns in which tasks arrive faster than they leave

them

will start to pile up,and the problem will become visible to the whole team.

This happens because any fields that are hidden as per hiding or showing a field in a

screen type are not considered for search results and in this

example- the fix version is not empty nor unreleased as it doesn't for this project /issue

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Mr. Kedar Indrajit Sutar

Mr.Roshankumar Nayaku Lavate

Miss.Sakita Sunil Katekar

Miss.Joya Javed Shaikh

have satisfactorily completed the Project Phase –II entitled **"DIABETES PREDICTION USING MACHINE LEARNING TECHNIQUES"** in partial fulfillment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur in Academic Year-2022-23 Semester-II.

Prof. S.B.Farande
Project Guide

Dr. D. A. Nikam
Head
CSE Department

External Examiner

Dr. S. B. Patil
Principal

DR. J. J. MAGDUM COLLEGE OF ENGINEERING JAYSINGPUR

SYNOPSIS

1.Abstract

[illegible] caused because of high glucose level in a human body. Diabetes should not [illegible] than Diabetes may cause some major issues in a person like: heart related [illegible] blood pressure, eye damage and it can also affects other organs of human [illegible] controlled if it is predicted earlier. To achieve this goal this project work we will [illegible] diabetes in a human body or a patient for a higher accuracy through applying, [illegible] Learning Techniques. Machine learning techniques Provide better result for prediction [illegible] from datasets collected from patients.

[illegible] model the diabetes is detected from the available dataset of few years which [illegible] Machine learning model. And the accuracy of the dataset is defined using the test [illegible] to build a model using machine learning algorithms which determine whether a [illegible] diabetes or not. This can be done using the Machine learning algorithms.

Dr. J. J. Magdum Trust's

Dr. J. J. Magdum college of Engineering, Jaysingpur.

CERTIFICATE

This is to certify that,

Miss. Samruddhi Pramod Dixit

Miss. Kranti Ajit Wani

Miss. Anjali Rajaram Mali

Miss. Sonali Bhimrao Mohite

have satisfactorily completed the Project work entitled **"Thyroid Detection Using Machine Learning"** in partial fulfilment for award of Bachelor of Engineering Degree in Computer Science & Engineering by Shivaji University, Kolhapur.

Guide
Prof. R. D. Mane

Head,
Dept. of Computer Science Eng.

Principal

External Examiner

DR. J. J. MAGDUM COLLEGE OF ENGINEERING * JAYSINGPUR *

1. Synopsis

gland located in the anterior region of the neck: its main task hormones, which are functional to our entire body. Its possible to the production of an insufficient or excessive amount of thyroid

can become inflamed or swollen due to one or more swellings these modules can be the site of malignant tumours. One of the most levothyroxine, also known as LT4, a synthetic thyroid hormone used disorders and diseases. Predictions about the treatment can be 'endocrinologists' activities and improve the quality of the patients aims to predict the LT4 treatment trend for patients suffering from

the clinical history is available over time, and therefore on the basis of parameters and other attributes considered it will be possible to each patient's treatment in order to understand if this should be increased conduct this study, we will be focusing on using different machine learning