

SWE1014- Enterprise Resource Planning

Report for Review-III of Project-based Component

Project Title: **Automotive Manufacturing Systems with Accident Protection System**

Project Team			
Reg.No./ Slot	Student Name	VIT E-mail ID	Cell Phone No.
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Project Synopsis / Abstract (not more than 150 words):

The automobile industry is a pillar of the global economy, a main driver of macroeconomic growth and stability and technological advancement in both developed and developing countries, spanning many adjacent industries. For developing countries such as India, understanding the auto industry's evolution in other countries offers a roadmap forward.

The automobile manufacturing industry is nothing but an importing and exporting of automobile parts. We can see automobiles play a major role in our society. Nowadays without an automobile people are unable to travel for long distances. So there is a huge demand for automobiles in the industry. This also means the safety aspect of these vehicles as these are prone to accidents. For this aspect we plan to construct a system that can easily integrate with vehicles that can directly communicate with radio systems and variants of which shall be even able to communicate with satellites when the crash detection happens. This resource planning and acquisition and main line implementation shall be main aspects along with the system building for this project. This shall enable the industry to easily modify and adapt a technique that shall increase the safety features of the vehicles to a great extent.

Motivation

The number of vehicle collisions in India is among the highest in the world. One major factor that leads to these accidents becoming fatal is the response of the emergency services which in most cases are not notified sufficiently within time as the passengers of the vehicle may not be in a state to make calls or raise alarms. The proposed system will detect the occurrence of the accident using various sensors present in the system, detect the location of the vehicle using the GPS module along with the use of Google Maps data and send the emergency messages and distress signals automatically in case of an accident where the passengers are not in a state to respond/raise an alarm. The messages will be sent using a GSM module present in our system. The system will always provide a small window of time for the user to cancel the distress call in case of a rare occurrence of a false detection by our system so as to not disturb the emergency services and also to not cause panic amongst the family and friends of the user. If the user does not respond within the time delay, the system is activated and the necessary

processes are carried out. This time window is to stop the system from activating, and can only be done manually by the user with the help of a button.

Overview of existing systems and their limitations (please be specific, enumerating the existing systems and giving the necessary details in maximum 150 words):

Overview of existing system -

- **Generating revenue:** The automotive sector contributes significant tax revenues from vehicle sales, usage-related levies, personal income taxes, and business taxes.
- **Economic development:** The automotive industry is important to global economic development. Globally, automotive contributes roughly 3 percent of all GDP output.
- **Industrial development:** Across the world, auto is a spark for regional development. Industrial clusters formed as original equipment manufacturer (OEM) plants are surrounded by component manufacturing facilities, including steel plants, glass manufacturers, used car dealerships, aftermarket shops, and transportation service providers.
- **Mobility:** Automobiles have revolutionized the concept of mobility, with goods and people now easier than ever to move across geographic regions.

Limitations of the existing system -

- **Manufacturing shutdowns:** Manufacturing shutdowns accentuated the automotive industry challenges of excess production and resource shortage. They also lead to massive financial losses, directly impacting GDP.
- **Less vehicle sales:** Reduced car sales emerged as one of critical challenges facing the automotive industry
- **Massive layoffs:** Loss of labor is an overt impact of manufacturing shutdowns. As the coronavirus spread, many companies had to resort to massive layoffs, which emerged as one of the crucial challenges of the automotive market.
- **Liquidity:** Liquidity was the biggest challenge facing the automotive industry. Production shutdowns and slumping sales gradually led to heavy financial losses, with OEMs operating on minimal liquidity. Lack of funds is likely to result in many small-time automotive companies going out of business.
-

Odoo ERP Functionality Overview

There is something to help handle all of your business demands in a simple, affordable, and modular solution between the Odoo apps and the tens of thousands of Community apps: no more work to get various technologies to cooperate. Because Odoo apps are flawlessly linked, you can fully automate your business activities and enjoy the savings and advantages that come with it.

ERP Modules:

Accounting & Invoicing

Accounts payable and receivable, bank reconciliations and cash management, taxes and reporting, and other general financial processes required within an organisation are all covered by the Odoo Accounting & Invoicing modules.

Project Management

The Project Management module offers a variety of views, including Gantt charts, calendars, graphs, Kanban boards, and pivot table analysis, to manage multiple projects and resources.

Inventory Management

Whether you have a single inventory or a complex warehouse map across geographies, the Inventory Management module offers complete traceability from supplier to customer for all of your organization's products.

Manufacturing module

Other essential Odoo applications like Quality, Maintenance, and PLM are integrated with the Manufacturing module. A work centre control panel is provided by the manufacturing module and shows, among other things, work orders, progress, production quantities, work instructions, and time tracking.

eCommerce

The eCommerce module gives your company the ability to create an online shopping experience by selecting one of the template websites that is offered and customising it to highlight your company and product line.

Timesheets

Employees can use the time tracking app to record activities on the go through the timesheet module, which also gives managers access to team timesheets for viewing, reporting, and connecting to sales orders.

How IOT can be integrated into all modules of the ERP platform.

DEFINITION: (IOT)

- The Internet of Things (IOT) is a term used to refer to a network of physical items that are equipped with sensors, software, and other technologies in order to connect and exchange data with other systems and devices over the internet.
- IOT-enhanced semi-autonomous vehicles make judgments on the fly while partially directing the vehicle's operations to prevent collisions and lighten the strain on the driver.
- To reduce errors and improve comfort and safety while driving, cars now include a variety of proximity sensors and cameras, as well as IOT systems.

IOT in task management modules:

- The workflow in IOT applications is typically represented as a DAG, in which the edges of the graphs reflect the connections between tasks and data transfer, and the vertices of the graphs represent tasks. Additionally, workflow scheduling can be broken down into two phases: Assignment of tasks and resources

IOT in modules for sales and marketing:

- As a marketing and sales leader, you must be driven to foresee client demands, quickly spot sales opportunities, develop ongoing relationships with customers, and spot more

potential to boost the company's revenue. In the opposite direction, the use of the Internet of Things in marketing allows businesses to communicate with customers in a more contextual and personalised fashion, for example, through digital signage in real-world settings like stores or through the use of mobile or other digital devices.

IOT in Material Management module:

- The material management module of the IOT module makes it simple to offer materials to consumers in an online fashion.
- The group management examines the pertinent concerns. Financial statements have been given independent assurance.
- Centralized information and record storage aids the industry in reducing paper trails and stacks by managing inventory, number of goods, raw materials, manufactured goods, and material needs.
- The IOT module in ERP for material management streamlines all industrial activities.

IOT in Production Planning module:

- As a result, an IoT application to enhance the Production Planning process should take into account these variations by tailoring the behavior of things to the kinds of process phases with which they are to interact. The use of the IOT is then examined for PPP phases or activities, such as developing plans and carrying them out and controlling them.
- The IoT's ability to gather and process enormous amounts of data will be essential for making lists and calculating forecasts based on the number of articles that need to be managed. Depending on the quantity of divisions, the number of employees, the availability of equipment, and the complexity of the production process, it will also be crucial for processing data on the company's capacities.

IOT in Quality Management module:

- Quality control is essential in every sector of the economy, but it is especially crucial in manufacturing. The mission-critical nature of finished products, volatile market demand, and high material and production costs force OEM and manufacturers to pursue nothing less than first-rate quality and a low rejection rate. Quality management is seen as a field with transformational opportunities as the Internet of Things IOT slowly gains traction in manufacturing.
- Constant monitoring is essential to effective quality management. and regulate a variety of machinery and process variables that have an impact product excellence.

IOT in Budgeting module:

- Using IOT in software comes with a number of risks, including the potential for budget overruns and schedule delays.

IOT in Import/Export module:

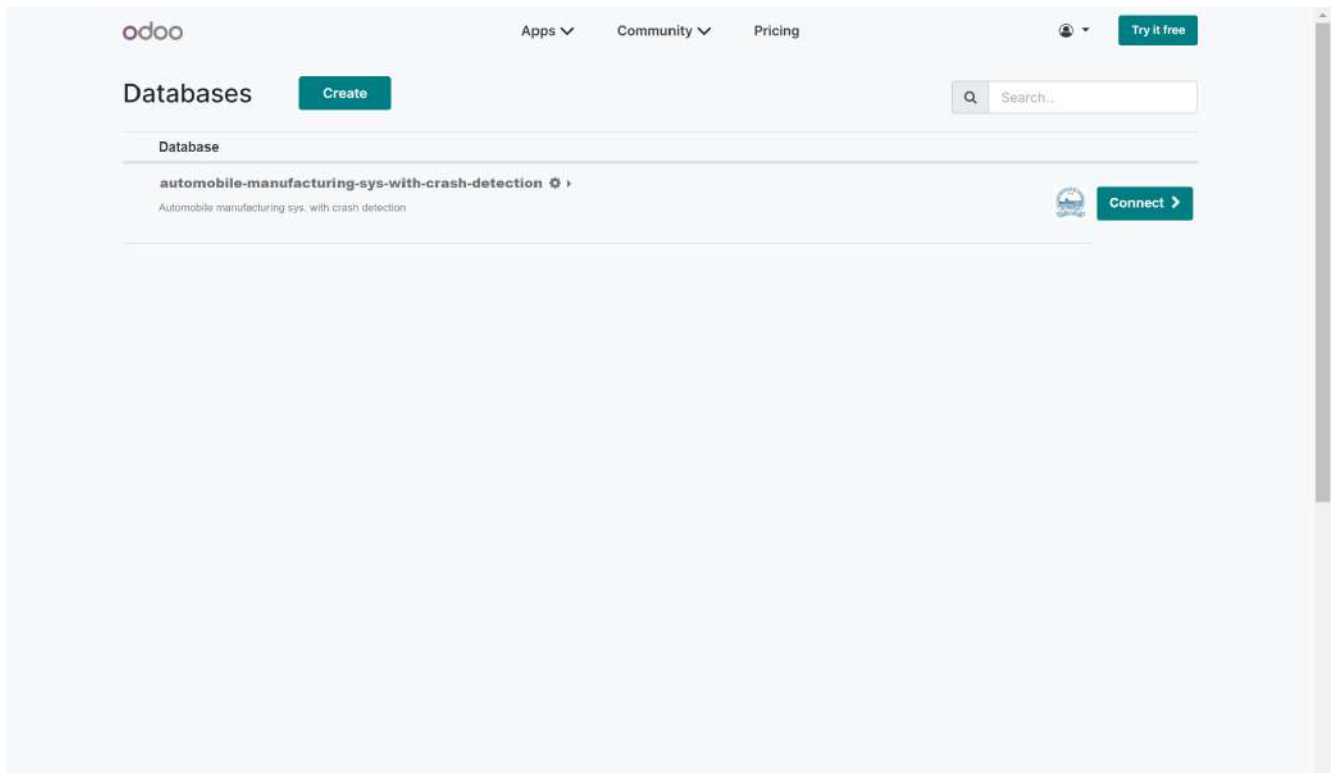
- • The graph's grid view is visible. This is employed in numerous industries. It is used in stocks, specifically.
- • We can see in the graph how many parts are imported, either as a percentage or as a number.
- • As a result, we can determine the number of imported and exported parts. How many parts are imported and exported in a month or a year can be determined.

Finance and accounting module IOT:

- By collecting and exchanging data, IOT helps financial companies save a significant amount of time and money. IOT also assists financial companies in enhancing customer service and detecting fraud.
- Banks can automate crucial business activities via a network of IOT devices that are connected to one another. Banking and financial institutions benefit from specialised IOT apps for asset and other procedures.

Share the screenshots of the demo of the tool and explore all the features of all the functional areas.

Creation of database



Modules:



History:

Discuss

START A MEETING

Inbox

Starred

History

CHANNELS

general

DIRECT MESSAGES

OdooBot

History

Yesterday

Kinit Sai

2 days ago on S00001

Subject: Automobile manufacturing sys. with crash detection Quotation (Ref S00001)

Hello,

Your quotation **S00001** amounting in **₹ 1,230.00** is ready for review.

Do not hesitate to contact us if you have any questions.

Read More

S00001.pdf

PDF

Automobile manufacturing sys. with crash detection

Flat no. 210 Sri Krishna ventures, green garden layout,

munnekolala

Marathahalli

Bangalore 560037

Karnataka KA

India

Kinit Sai

Quotation # S00001

Quotation Date:

11/14/2022

Salesperson:

Kinit Sai

Description	Quantity	Unit Price	Taxes	Amount
Sample Order Line	10.00 km	123.00		₹ 1,230.00
Total				₹ 1,230.00

CalendarCalendarOnline AppointmentsReporting

Meetings (Nov 13 – 19, 2022) / New

Create

Meeting Subject

Monthly progress meeting

Kinit Sai

EMAILSMSJOIN VIDEO CALL

Meeting DetailsOptions

Starting at ?11/15/2022 05:30:00

Ending At ?11/15/2022 06:30:00

Duration01:00 hours

All Day☐

OrganizerKinit Sai

Description

Reminders ?

Location

Videocall URLhttps://automobile-manufacturing-sys-wit...COPYClear meeting

Tags

Send messageLog note

Today

Kinit Sai

Creating a new record...

Appointment scheduling

CalendarCalendarOnline AppointmentsReporting

Online Appointments

CREATE

Create your first Appointment

Appointment Title

Meet With Me

Duration01:00 hours

Schedulingat least 01:00 hours beforeand not after 5 days

Allow Cancellinguntil 01:00 hours before

UsersKinit Sai


Front-End Display ?☒ No Picture☐ Show Users' Pictures

AvailabilityOptionsQuestionsMessages

Every	From	To
Monday	09:00 →	12:00
Monday	14:00 →	17:00
Tuesday	09:00 →	12:00
Tuesday	14:00 →	17:00
Wednesday	09:00 →	12:00
Wednesday	14:00 →	17:00
Thursday	09:00 →	12:00
Thursday	14:00 →	17:00
Friday	09:00 →	12:00
Friday	14:00 →	17:00

SAVE

DISCARD


Kinit Sai

Schedule Meet With Me Appointment with Kinit Sai

November 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

Timezone: Asia/Calcutta

Online

1 hour

Wednesday 16 November 2022

12:00 AM	12:00 AM
1:00 AM	1:00 AM
2:00 AM	2:00 AM
3:00 AM	3:00 AM
4:00 AM	4:00 AM
5:00 AM	5:00 AM
6:00 AM	6:00 AM
7:00 AM	7:00 AM
8:00 AM	8:00 AM

Contact information

Contacts / Automobile manufacturing sys. with crash detection
Action 3 / 5
Create

0 Meetings

0 Sales

₹ 0.00 Invoiced

Partner Ledger

Individual

Company

Automobile manufacturin

Address

Flat no. 210 Sri Krishna ventures, green garden layout, munnekolala

Marathahalli

Bangalore

Karnataka (IN)

560037

India

Phone

+1 416 220 2020

Mobile

9590911533

Email

kinit.2020@vitstudent.ac.in

Website

http://vit.ac.in

Tags

e.g. "B2B", "VIP", "Consulting", ...

GST Treatment

Tax ID *

12ABCDE1234AAZA

Contacts & Addresses

Sales & Purchase

Accounting

Internal Notes

ADD

Send message

Log note

Activities

Yesterday

Kinit Sai

2 days ago

None → 12ABCDE1234AAZA (Tax ID)

Kinit Sai

2 days ago

None → +1 416 220 2020 (Phone)

Sales

Sales Orders To Invoice Products Reporting Configuration							Kinit Sai	
Quotations							My Quotations Search...	
CREATE							1-2 / 2 < >	
Filters Group By Favorites								
Number	Creation Date	Customer	Salesperson	Activities	Total	Status		
S00002	11/14/2022	Sireesha	Kinit Sai		₹ 12,600.00	Sales Order		
S00001	11/14/2022	Kinit Sai	Kinit Sai		₹ 1,230.00	Quotation Sent		
						13,830.00		

Sales Orders To Invoice Products Reporting Configuration

Kinit Sai

Quotations / S00002

Print Action 1 / 2 Create

CREATE INVOICE SEND BY EMAIL CANCEL

QUOTATION

QUOTATION SENT

SALES ORDER

1 Delivery

Customer Preview

S00002

Customer Sireesha

Order Date 11/14/2022 10:51:34

Payment Terms 15 Days

GST Treatment Consumer

Order Lines Other Info

Product	Description	Quantity	Delivered	Invoiced	UoM	Unit Price	Taxes	Subtotal
Crash Detection Sensors	Sensors Only	1.00	0.00	0.00	Units	10,000.00	GST 5% CESS 21% or RS.4170/THOUSAND	₹ 10,000.00

Add a product

Add a section

Add a note

Terms and conditions...

Untaxed Amount: ₹ 10,000.00

SGST: ₹ 250.00

CGST: ₹ 250.00

Cess: ₹ 2,100.00

Total: ₹ 12,600.00

Send message Log note Activities

Following

Sales Orders To Invoice Products Reporting Configuration

Kinit Sai

Sales Teams

Search...

Filters Group By Favorites

1-1 / 1 < >

Sales

SALES ANALYSIS

1 Quotation

1 Order to Invoice

1,230.00

17-23 Oct

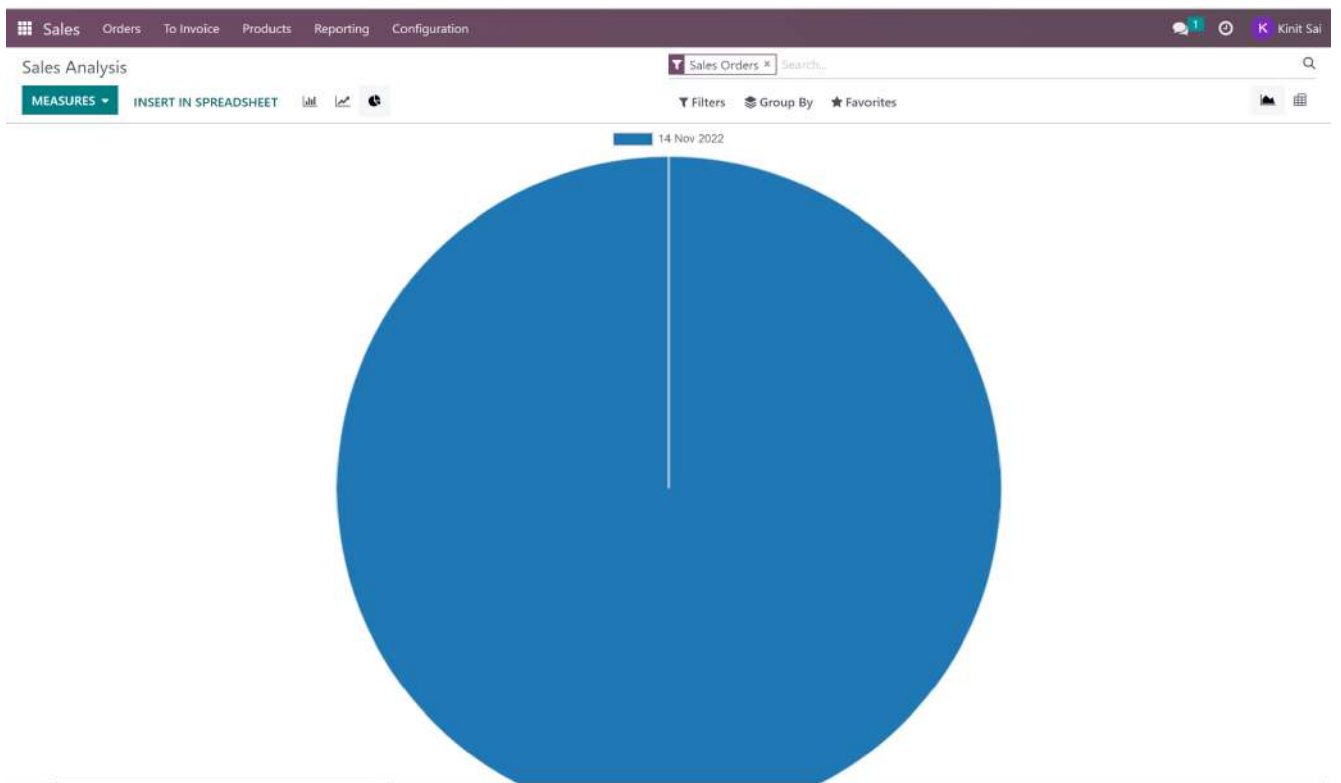
24-30 Oct

31 Oct-6 Nov

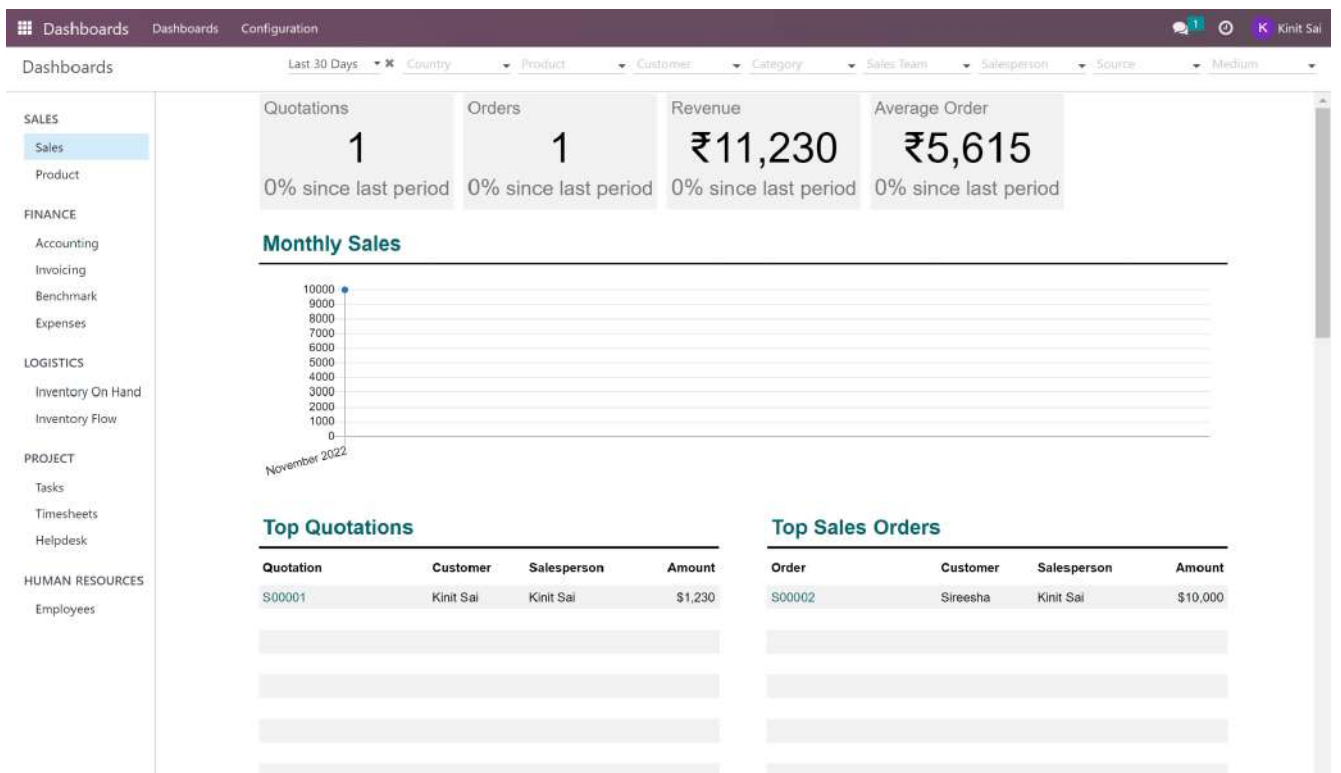
7-13 Nov

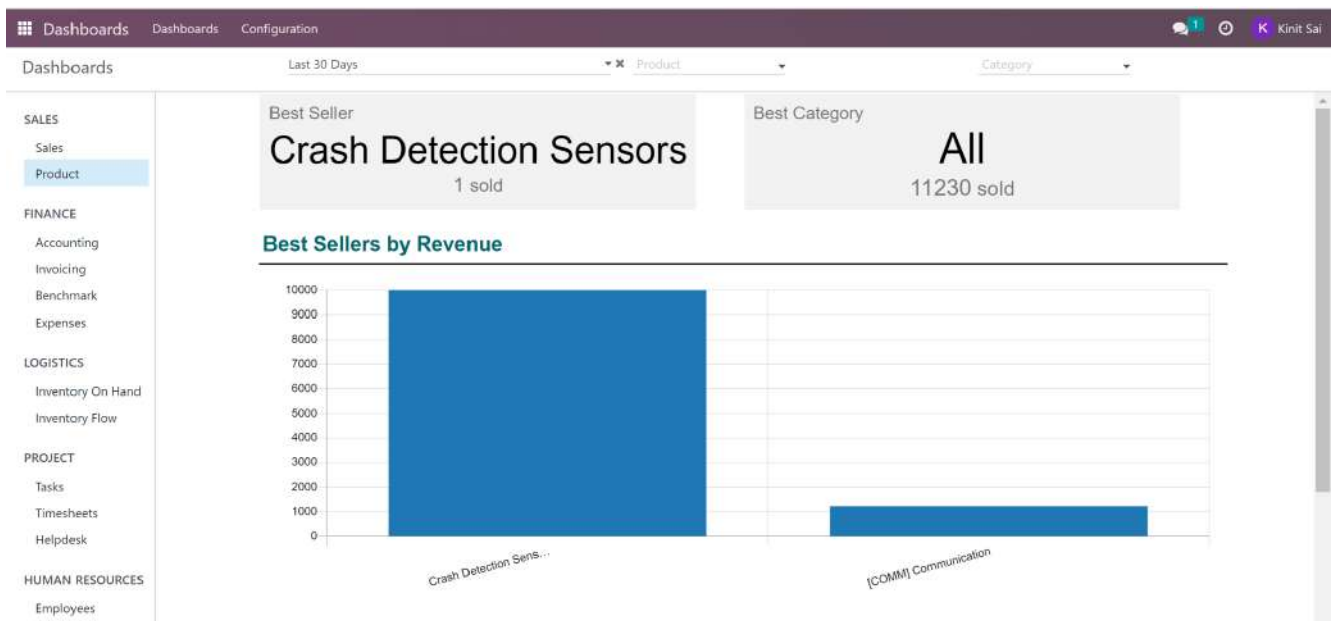
14-20 Nov

Click to define an invoicing target

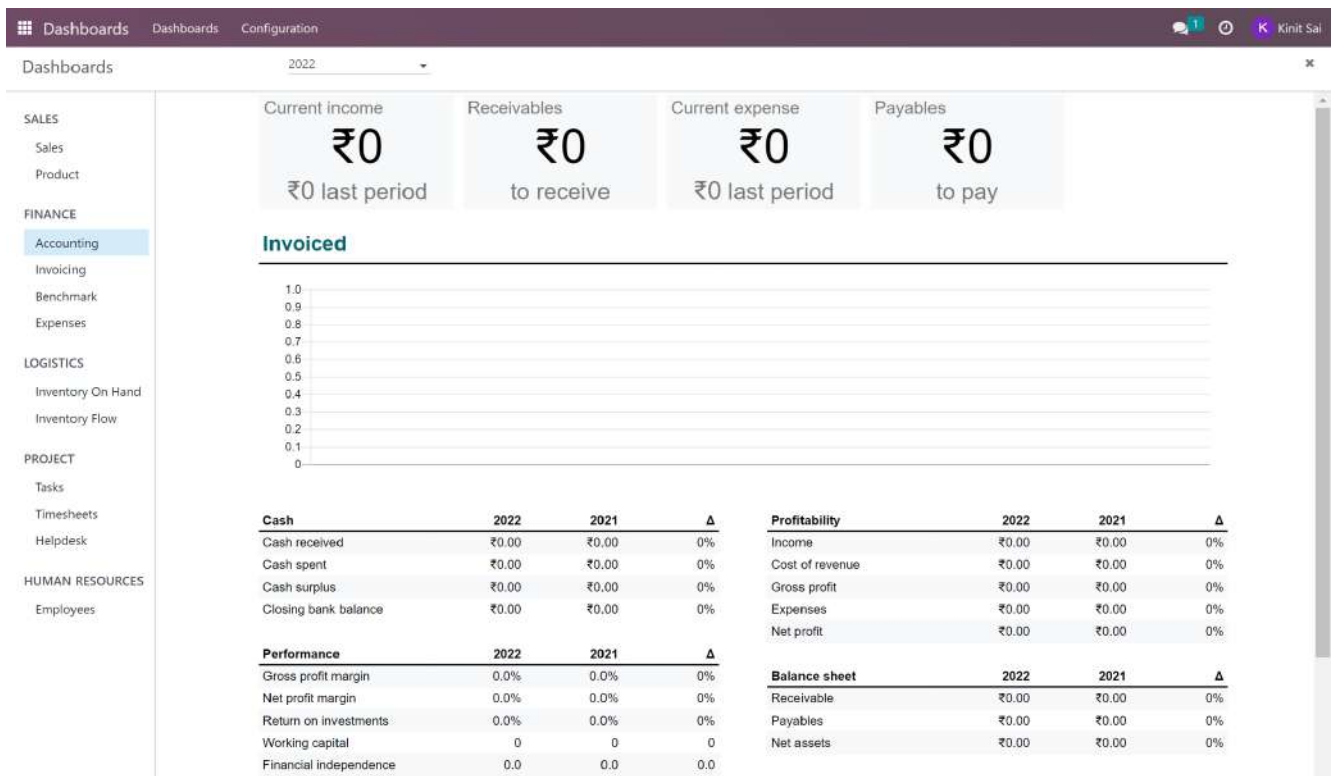


Dashboard

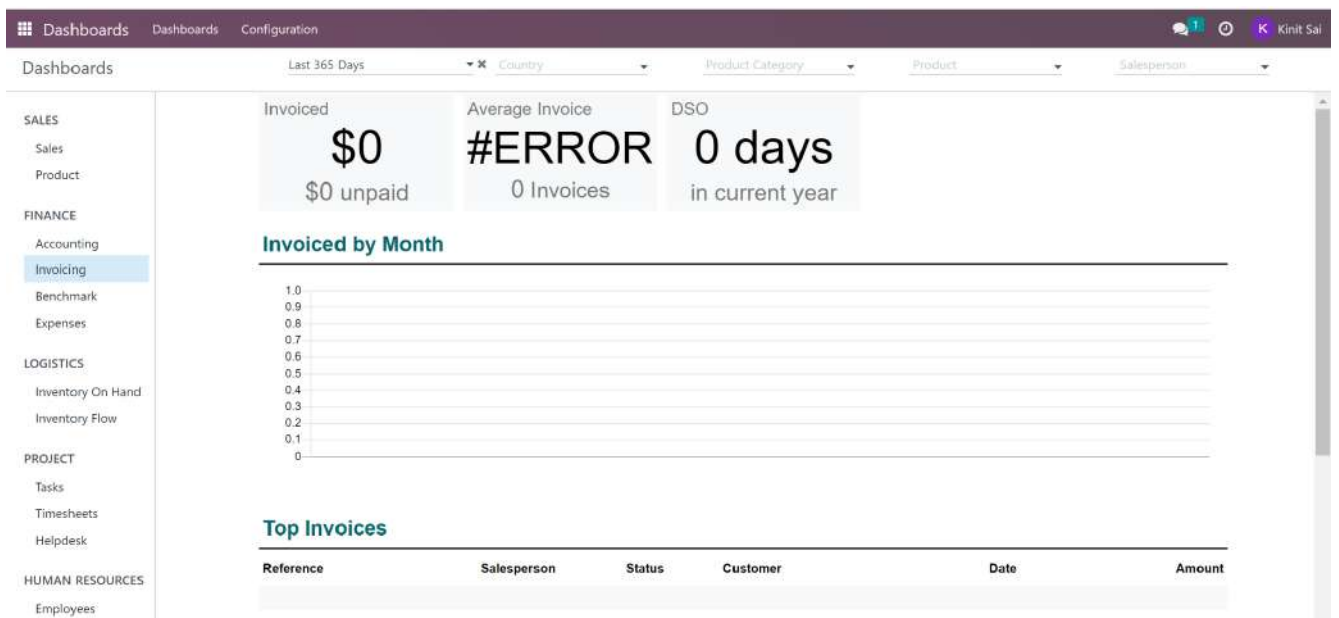




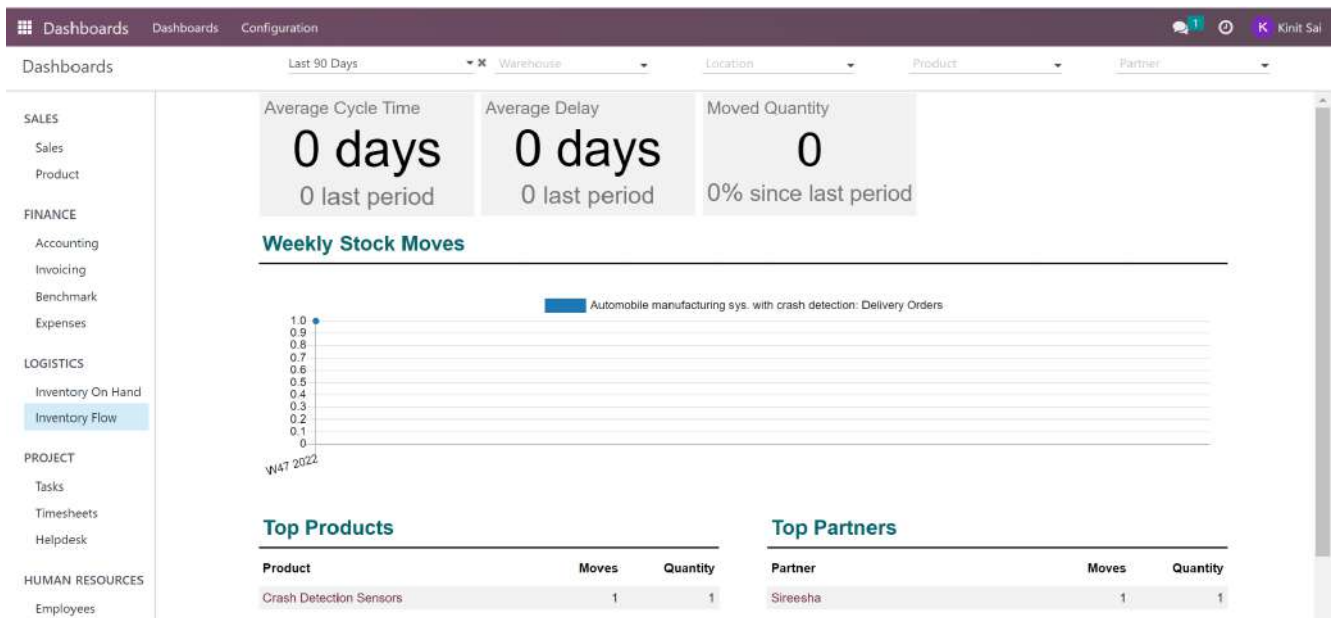
Accounting



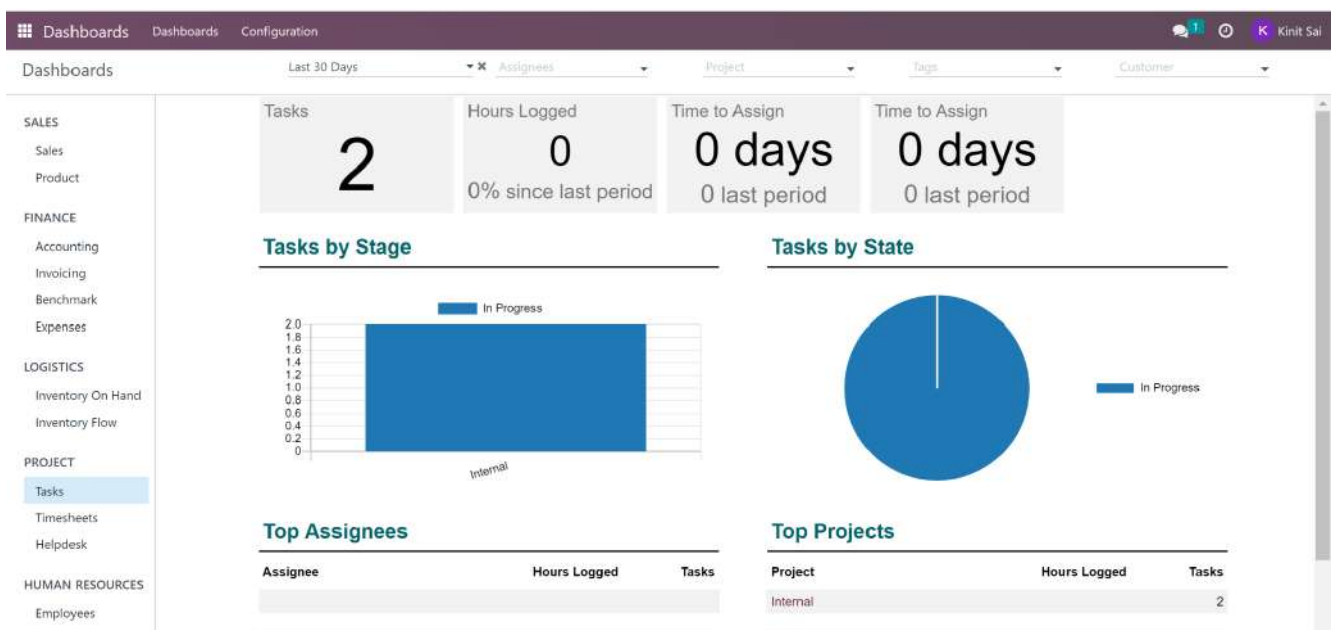
Invoicing



Logistics -



Task dashboard



Accounting -

Accounting

Dashboard

Customers

Vendors

Accounting

Reporting

Configuration

Accounting Dashboard

Favorites

Search...

1-5 / 5

Filters

Group By

Favorites

Accounting Periods

Define your fiscal years & tax returns periodicity.

Configure

Bank Account

Connect your financial accounts in seconds.

Add a bank account

Taxes

Set default Taxes for sales and purchase transactions.

Review

Chart of Accounts

Setup your chart of accounts and record initial balances.

Review

Tax Invoices

NEW INVOICE

Due

6-12 Nov

This Week

20-26 Nov

27 Nov-3 Dec

Not Due

Vendor Bills

vendor-bills@automobile-manufacturing-sys-with-crash-detection.odoo.com

UPLOAD Create Manually

Due

6-12 Nov

This Week

20-26 Nov

27 Nov-3 Dec

Not Due

Miscellaneous Operations

NEW ENTRY

Tax return for November 12/07/2022

Bank

ONLINE SYNCHRONIZATION

Import Statement

Accounting

Dashboard

Customers

Vendors

Accounting

Reporting

Configuration

Accounting Dashboard / Taxes

Sale or Purchase

Search...

1-49 / 49

CREATE

Filters

Group By

Favorites

<input type="checkbox"/>	Tax Name	Tax Type	Tax Scope	Label on Invoices	Active	
<input type="checkbox"/>	GST 28%	Sales		GST 28%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	IGST 28%	Sales		IGST 28%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	GST 18%	Sales		GST 18%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	IGST 18%	Sales		IGST 18%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	GST 12%	Sales		GST 12%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	IGST 12%	Sales		IGST 12%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	GST 5%	Sales		GST 5%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	IGST 5%	Sales		IGST 5%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	IGST 2%	Sales		IGST 2%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	GST 2%	Sales		GST 2%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	GST 1%	Sales		GST 1%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	IGST 1%	Sales		IGST 1%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	Nil Rated	Sales		Nil Rated	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	Exempt Sale	Sales		Exempt	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	CESS 21% or RS.4170/THOUSAND	Sales		CESS 21% or RS.4170/THOUSAND	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	CESS 5% + RS.1591/THOUSAND	Sales		CESS 5% + RS.1591/THOUSAND	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	Non GST Supplies	Sales		Non GST Supplies	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	IGST 0%	Sales		IGST 0%	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	IGST 28% (RC)	Purchases		IGST 28%	<input checked="" type="checkbox"/>	

Accounting Dashboard / Chart of Accounts							
<div> <div>Accounting</div> <div>Dashboard</div> <div>Customers</div> <div>Vendors</div> <div>Accounting</div> <div>Reporting</div> <div>Configuration</div> </div> <div> <div>Search...</div> <div>1-78 / 78</div> </div>							
<div> <div>CREATE</div> <div>IMPORT</div> </div> <div> <div>Filters</div> <div>Group By</div> <div>Favorites</div> </div>							
All	Code	Account Name	Type	Allow Reconciliation	Opening Debit	Opening Credit	
1	100101	Cash	Bank and Cash	<input type="checkbox"/>	0.00	0.00	SETUP
2	100201	Bank Suspense Account	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
9	100202	Outstanding Receipts	Current Assets	<input checked="" type="checkbox"/>	0.00	0.00	SETUP
	100203	Outstanding Payments	Current Assets	<input checked="" type="checkbox"/>	0.00	0.00	SETUP
	100204	Bank	Bank and Cash	<input type="checkbox"/>	0.00	0.00	SETUP
	100310	Inventories	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
	100400	Debtors	Receivable	<input checked="" type="checkbox"/>	0.00	0.00	SETUP
	100410	Debtors (PoS)	Receivable	<input checked="" type="checkbox"/>	0.00	0.00	SETUP
	100510	SGST Receivable	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
	100520	CGST Receivable	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
	100530	IGST Receivable	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
	100550	CESS Receivable	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
	100560	Tax Receivable	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
	100570	Reverse Charge Tax Receivable	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
	100580	TDS Receivable	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
	100610	Deposit Account	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
	100710	Prepaid Insurance	Current Assets	<input type="checkbox"/>	0.00	0.00	SETUP
	100801	Liquidity Transfer	Current Assets	<input checked="" type="checkbox"/>	0.00	0.00	SETUP

Marketing

Marketing Automation

Campaigns

Reporting

Configuration

1

Kinit Sai

Campaigns / New

START

NEW

RUNNING

STOPPED

offer plan

Target?

Contact

Filter

Unicity based on?

Filter

Match all records

+ ADD FILTER

→ 5 RECORD(S)

ADD NEW ACTIVITY

E-mail marketing

Email Marketing							
<div> <div>Email Marketing</div> <div>Mailing Lists</div> <div>Reporting</div> <div>Configuration</div> </div> <div> <div>Search...</div> <div>1-1 / 1</div> </div>							
<div> <div>Mailing Lists</div> <div>Mailing Lists</div> <div>Mailing List Contacts</div> </div> <div> <div>CREATE</div> <div>Filters</div> <div>Group By</div> <div>Favorites</div> </div>							
Newsletter	1 Total Contacts	1 Contacts	0 Mailings	0.00 % Bounce	0.00 % Opt-Out	0.00 % Blacklist	<div>IMPORT CONTACTS</div> <div>SEND MAILING</div>

Inventory

Inventory

Overview

Operations

Products

Reporting

Configuration

1

Kinit Sai

Inventory Overview

Search...

Filters

Group By

Favorites

1-3 / 3

Receipts

0 TO PROCESS

Delivery Orders

1 TO PROCESS

1 Late

Returns

0 TO PROCESS

Inventory

Overview

Operations

Products

Reporting

Configuration

1

Kinit Sai

Inventory Overview

/ Automobile manufacturing sys. with crash detection: Delivery Orders

Operation Type

Automobile manufacturing sys. with crash detection: Delivery Orders

Ready

Search...

Filters

Group By

Favorites

1-1 / 1

CREATE

	Reference	Contact	Scheduled Date	Source Document	Status
<input type="checkbox"/>	WH/OUT/00001	Sireesha	2 days ago	S00002	Ready

Employee information

Employees

Employees

Departments

Reporting

Configuration

1

Kinit Sai

Employees / Kinit Sai

Print

Action

1 / 1

Create

LAUNCH PLAN

SIGNATURE REQUEST

Planning

Timesheets

0 Contracts

3 Contacts

Kinit Sai

Job Position

Tags

Work Mobile

Work Phone

Work Email

kinit.2020@vitstudent.ac.in

Department

Administration

Manager

Coach

Work Information

Received Badges

Private Information

HR Settings

LOCATION

Work Address

Automobile manufacturing sys. with crash detection

Flat no. 210 Sri Krishna ventures, green garden layout, munnekolala

Marathahalli

Bangalore 560037

Karnataka KA

India

Work Location

APPROVERS

Expense

ORGANIZATION CHART

No hierarchy position.

This employee has no manager or subordinate.

In order to get an organigram, set a manager and save the record.

Expenses

My Expenses

Expense Reports

Reporting

Configuration

1

0

Kinit Sai

My Expenses / New

ATTACH RECEIPT

CREATE REPORT

SPLIT EXPENSE

TO SUBMIT

SUBMITTED

APPROVED

PAID

REFUSED

Description

e.g. Lunch with Customer

Category

Total ₹0.00

Employee Kinit Sai

Paid By

Employee (to reimburse)

Company

Notes...

Bill Reference

Expense Date 11/16/2022

Account 210700 Purchase Expense

Send message

Log note

Activities

0

Follow

Today

Kinit Sai

Creating a new record...

Quality maintenance

Quality

Overview

Quality Control

Products

Reporting

Configuration

1

0

Kinit Sai

Quality Overview / Quality Alerts / New

NEW

CONFIRMED

ACTION PROPOSED

MORE

New

Title Product quality

Product

Picking

Team Main Quality Team

Responsible Kinit Sai

Tags

Root Cause

Priority ★★ ★

Description

Corrective Actions

Preventive Actions

Miscellaneous

Description of the issue...

Send message

Log note

Activities

0

Follow

Today

Kinit Sai

Creating a new record...

Apps

Apps

1

Kinit Sai

Install a Module

Apps Search...

Filters Group By Favorites

1-80 / 84

CATEGORIES

All

Sales9

Services4

Accounting19

Inventory11

Manufacturing4

Website7

Marketing7

Human Resources14

Productivity7

Customizations1

Sales

From quotations to invoices

Installed

LEARN MORE

Website

Enterprise website builder

INSTALL

LEARN MORE

Purchase

Purchase orders, tenders and agreements

INSTALL

LEARN MORE

eCommerce

Sell your products online

INSTALL

LEARN MORE

Timesheets

Track employee time on tasks

Installed

LEARN MORE

Documents

Document management

INSTALL

LEARN MORE

Invoicing

Invoices & Payments

Installed

LEARN MORE

Inventory

Manage your stock and logistics activities

Installed

LEARN MORE

Point of Sale

User-friendly PoS interface for shops and restaurants

INSTALL

LEARN MORE

Manufacturing

Manufacturing Orders & BOMs

INSTALL

LEARN MORE

Expenses

Submit, validate and reinvoice employee expenses

Installed

LEARN MORE

Time Off

Allocate PTOs and follow leaves requests

INSTALL

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CRM

Track leads and close opportunities

INSTALL

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Accounting

Manage financial and analytic accounting

Installed

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Project

Organize and plan your projects

Installed

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Email Marketing

Design, send and track emails

Installed

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Studio

Create and customize your Odoo apps

INSTALL

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Recruitment

Track your recruitment pipeline

INSTALL

LEARN MORE

Settings

General Settings

Users & Companies

1

Kinit Sai

Settings

Search...

SAVE

DISCARD

General Settings

Sales

Inventory

Accounting

Project

Sign

Planning

Timesheets

Email Marketing

Employees

Expenses

Users

Invite New Users

Enter e-mail address

INVITE

1 Active User

Manage Users

Languages

1 Language

Add Languages

Companies

Automobile manufacturing sys. with crash detection

Flat no. 210 Sri Krishna ventures, green garden layout, munnekolala Marathahalli 560037 - Bangalore Karnataka (IN) India VAT: 12ABCDE1234AAZA

Update Info

Document Layout

Choose the layout of your documents

Configure Document Layout

1 Company

Manage Companies

Email Templates

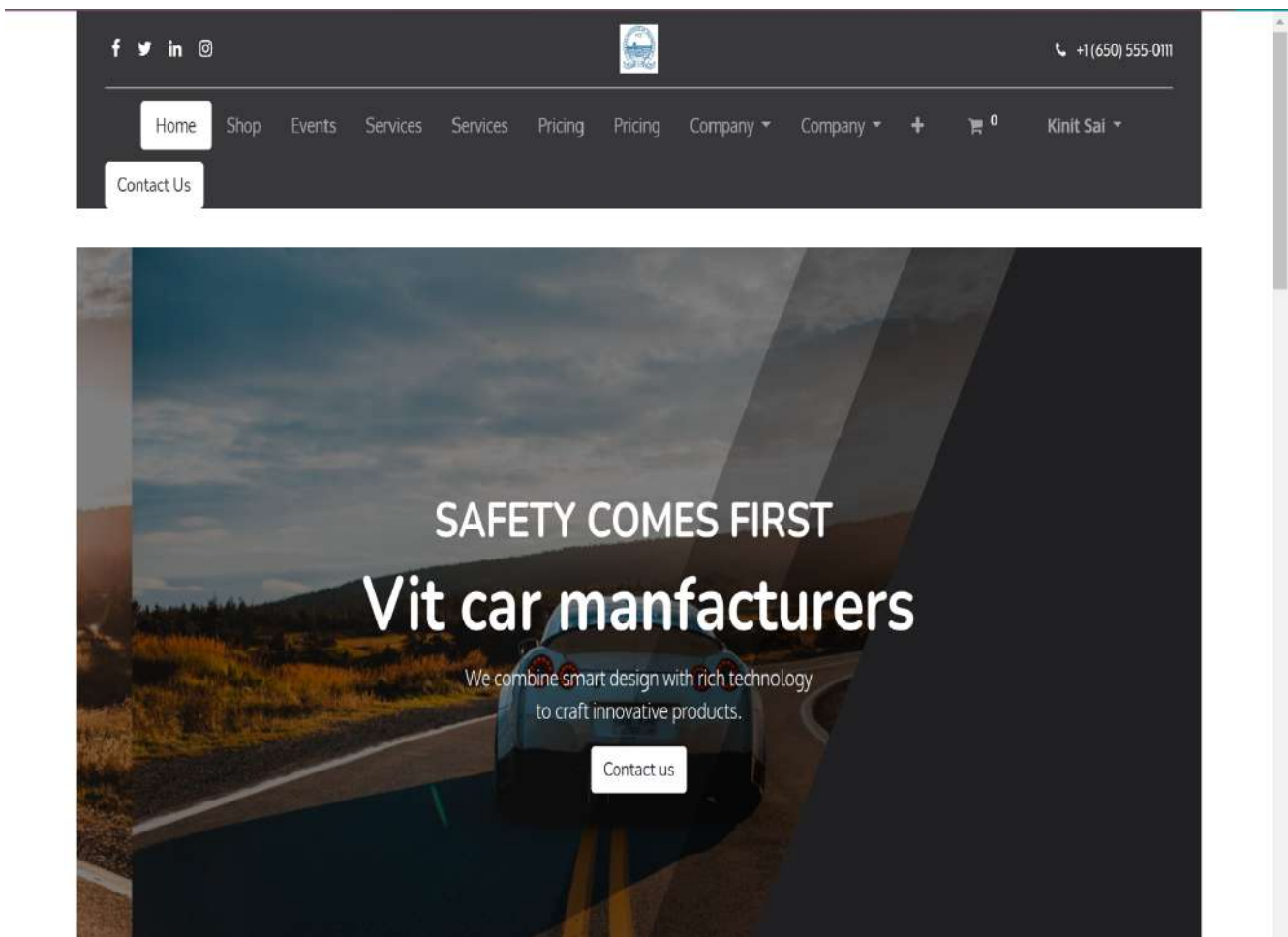
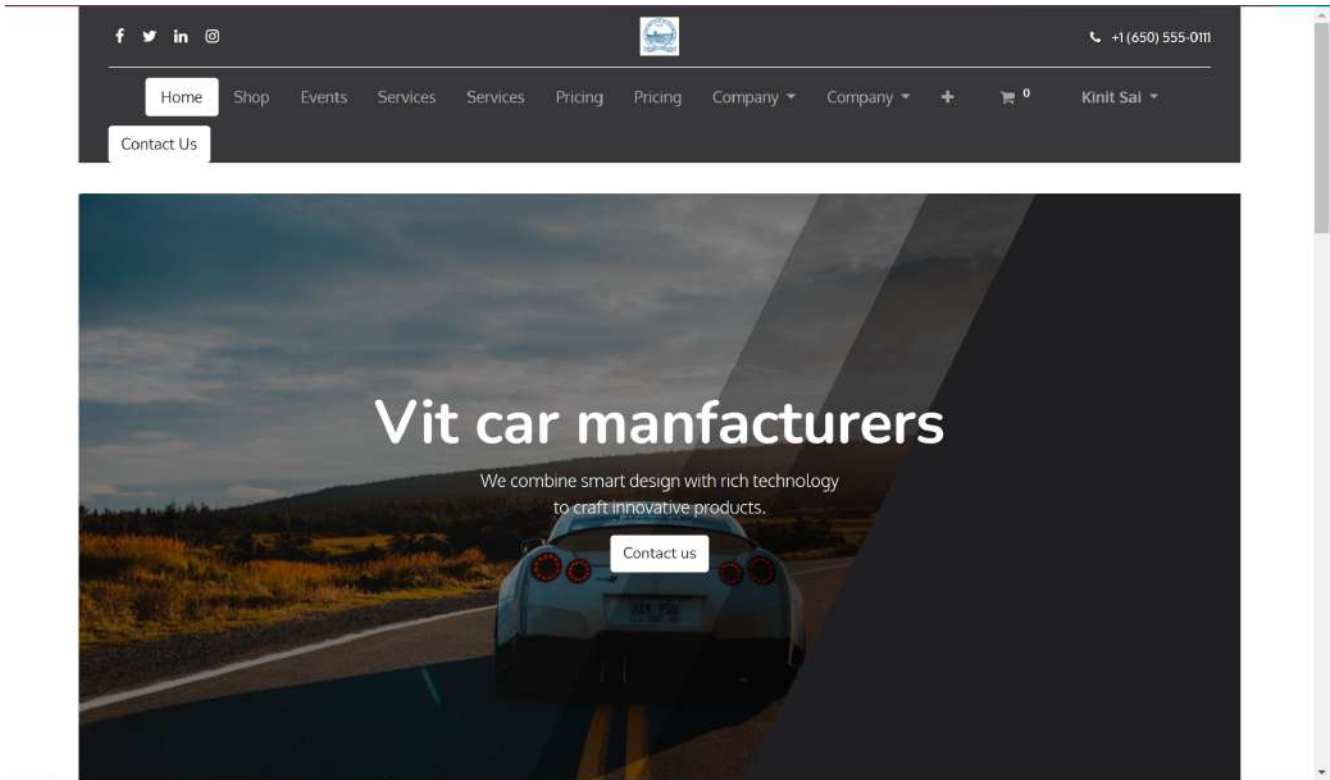
Customize the look and feel of automated emails

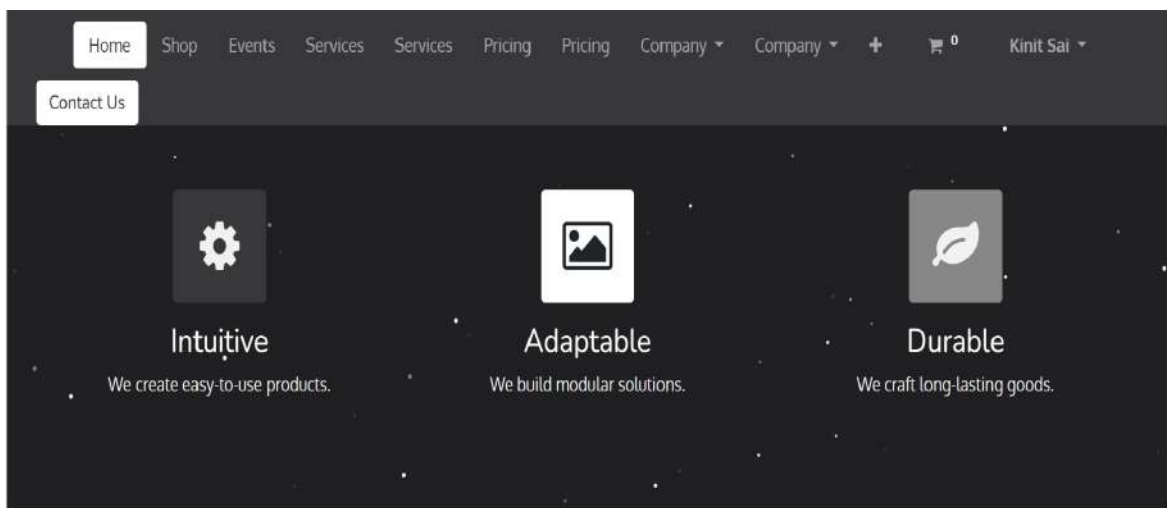
Header Color

Button Color

Review All Templates

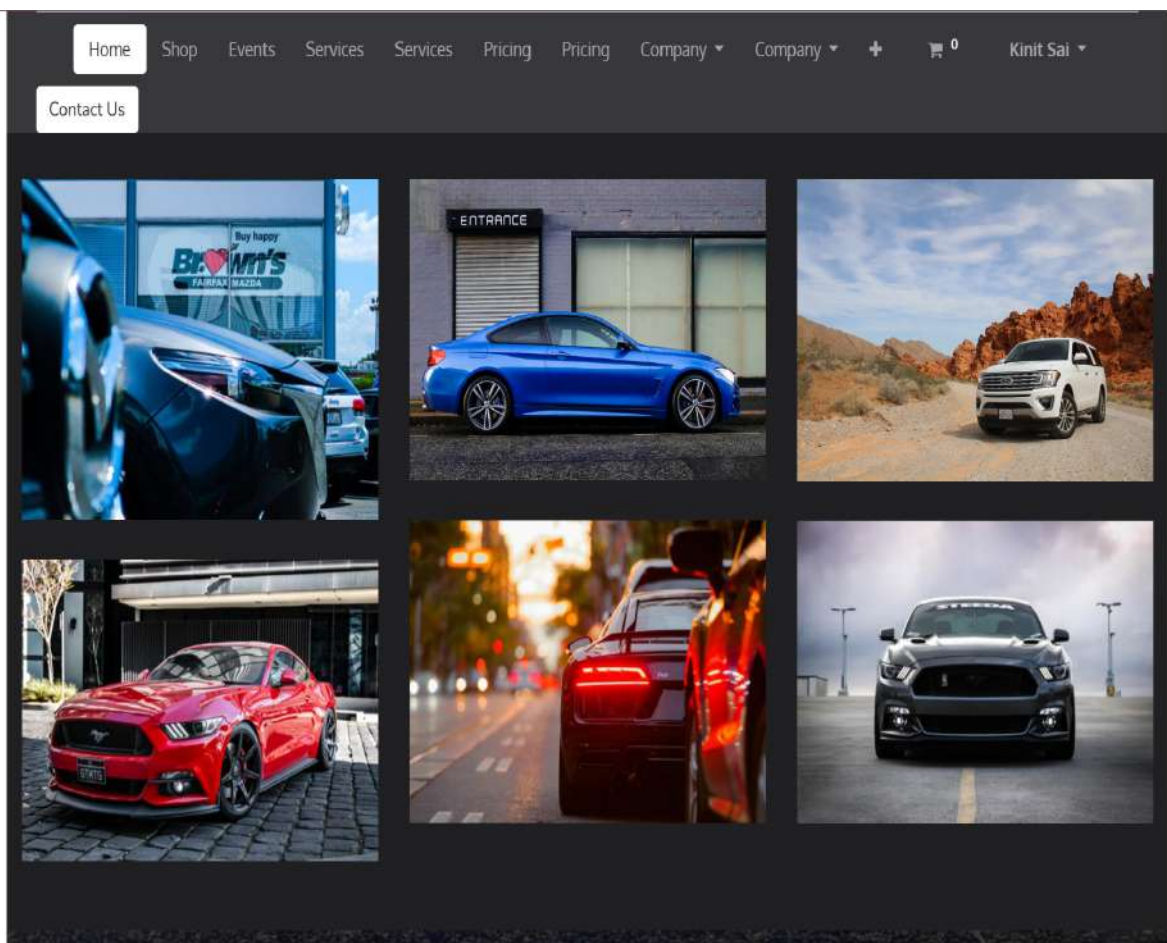
Website Design

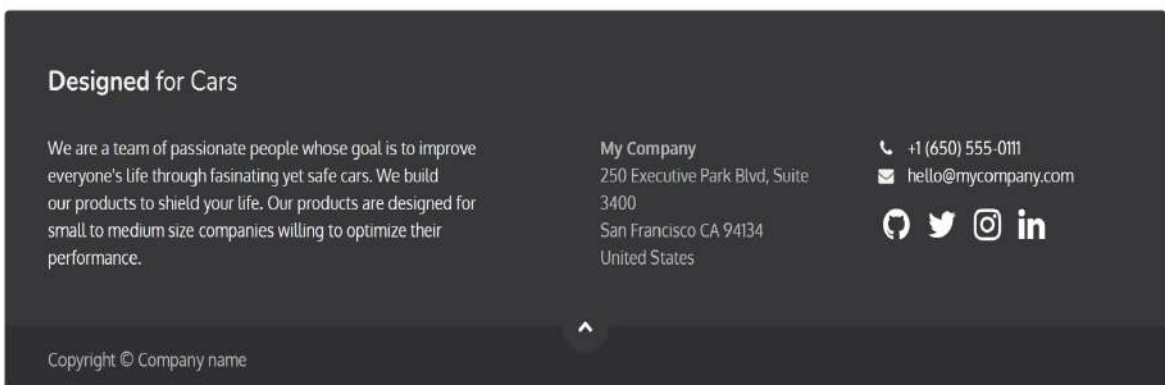
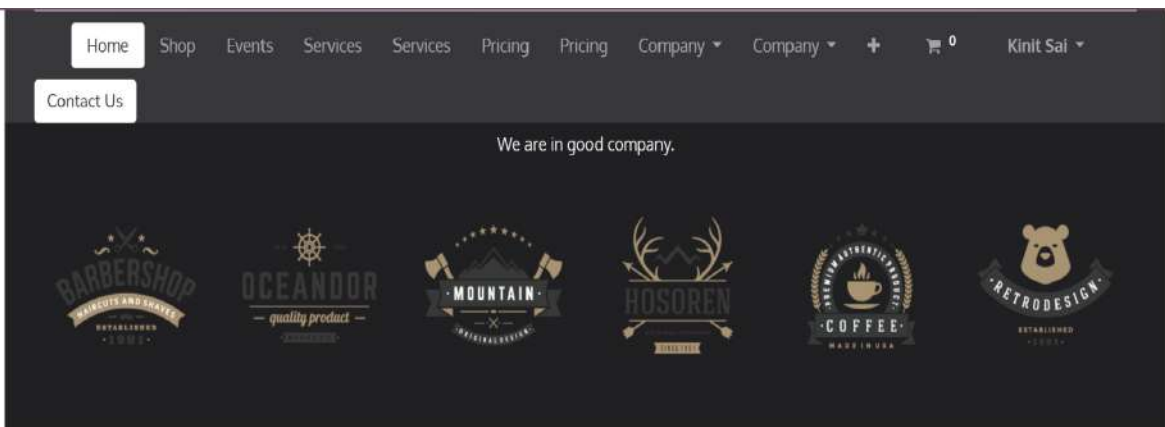
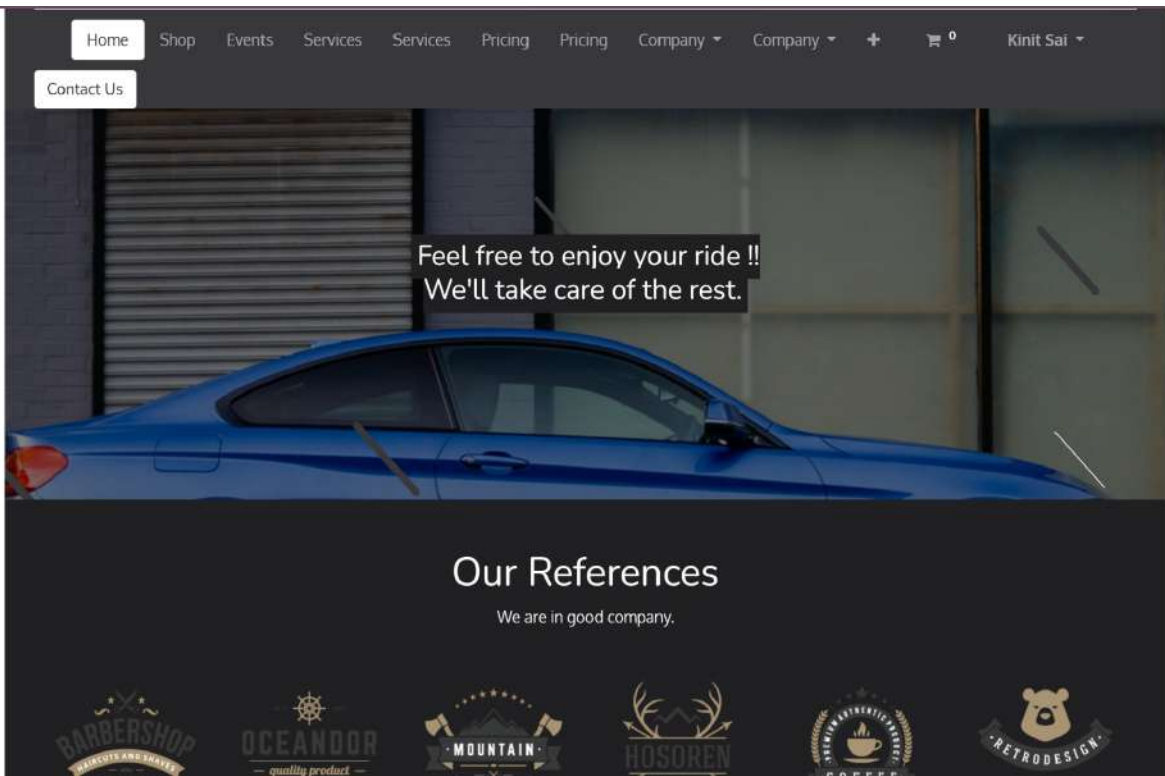




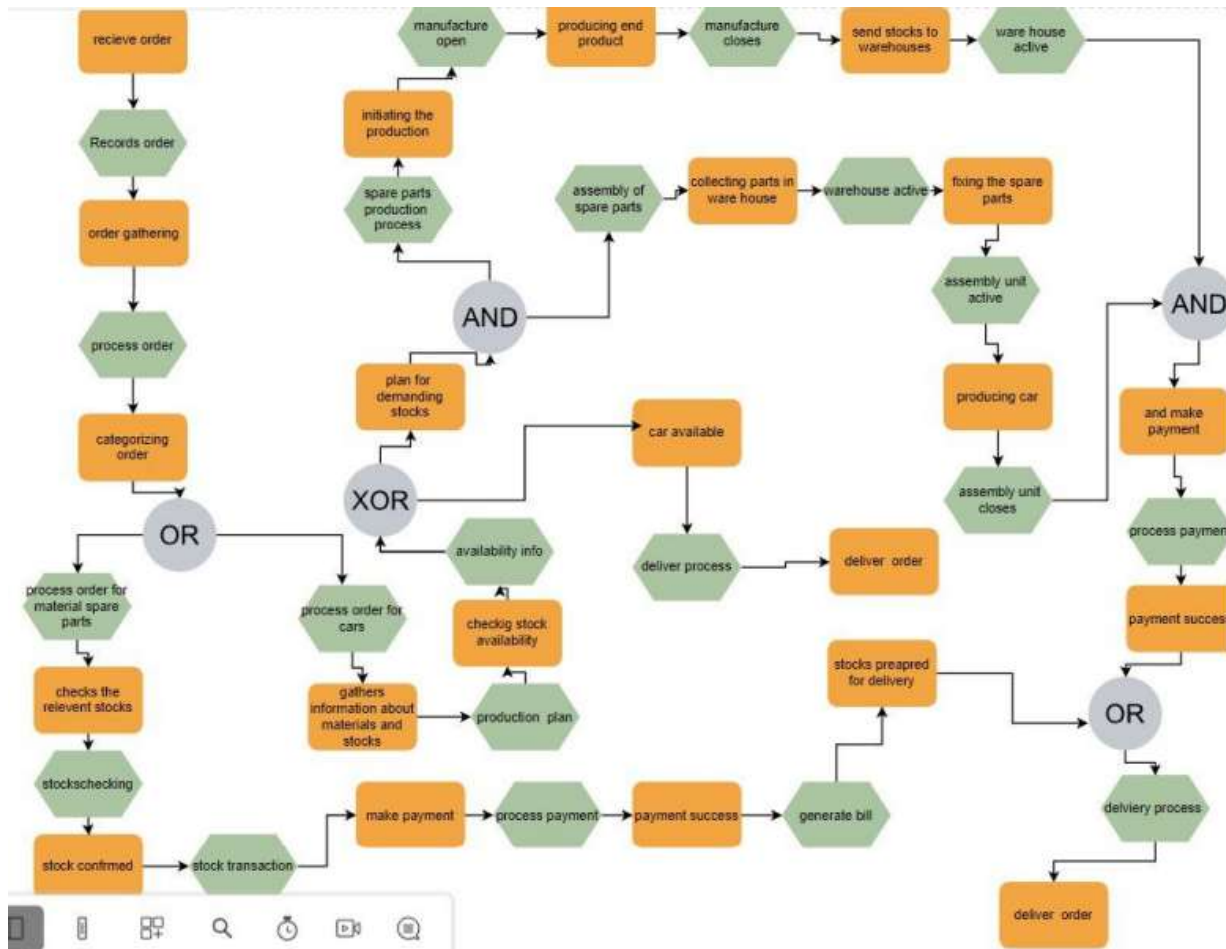
Our cars are the first ever four-door, four-seater car in history, but models with two rear seats have played a significant role in the company's strategy since the very beginning. Now, in the culmination of 75 years of leading-edge research, it has created a unique car and the encapsulation of the Prancing Horse's DNA, where performance, driving pleasure and comfort coexist in perfect harmony.

Great stories are for everyone even when only written for just one person. If you try to write with a wide, general audience in mind, your story will sound fake and lack emotion. No one will be interested. Write for one person. If it's genuine for the one, it's genuine for the rest.





EPC Diagram for Automotive Manufacturing System :



Pros of Odoo

Multiple Modules Integration

Odoo has more than 35 modules, which are the fundamental parts of a company. The list of Odoo modules that benefit the business in various ways is provided below. Odoo ERP integrates all the modules, including Accounting, Human Resources, Inventory, Manufacturing, and Logistics, so that users can easily track products from their manufacture until delivery.

Customer Support

Good and bad customer support merely differ in how approachable they are. Odoo provides customer support through a variety of accessible and simple channels. Typically, there are only a few resources accessible for software, but for Odoo, there are many resources and discussion threads online, making it an excellent place for beginners to start.

Customizable Architecture

Without extensive rewriting of codes or modifications to its fundamental structure, Odoo offers end-to-end user customization. There is hardly any room for user customization in other ERP systems. However, users can easily alter the architecture of Odoo with the aid of its sophisticated apps and themes without exerting additional effort.

Comprehensive in Nature

Odoo has a broad range of functionality that assists businesses in meeting their business needs. Odoo is available in two editions: Enterprise and Community Edition. Enterprise is a paid version, while Community is free. If you want to purchase Odoo, you can start with the free version and then upgrade to the paid Enterprise version.

Cons of Odoo

Odoo's obvious drawback is the lengthy installation and setup procedure. Additionally, this implies that the learning curve will be rather steep at first. It's imperative that you get the installation process correct the first time even though it might not seem crucial in the broader scheme of things. We frequently talk to businesses who have lost valuable time and resources as a result of a sluggish and problematic installation phase.

Our consultants were also made aware of the following drawbacks of the solution when interacting with current Odoo clients:

Lack of support

Even though Odoo provides a variety of customer service choices, some users are not totally satisfied with the selection. A few customers complain that the Odoo team frequently takes a long time to repair bugs, and some customers also complain that the cost of the training sessions is too high.

Arduous to sustain

The Community edition of Odoo, which is the free option, can be challenging to manage, and it requires a significant amount of IT expertise to function to its full potential, according to some of our existing clients. You might need to contact an Odoo partner to acquire the assistance you require if you lack the required internal IT expertise.

Complex pricing Plans

The intricacy of the pricing schemes is a typical grievance. You will be charged \$30 per month per user in addition if you require more than one additional application.

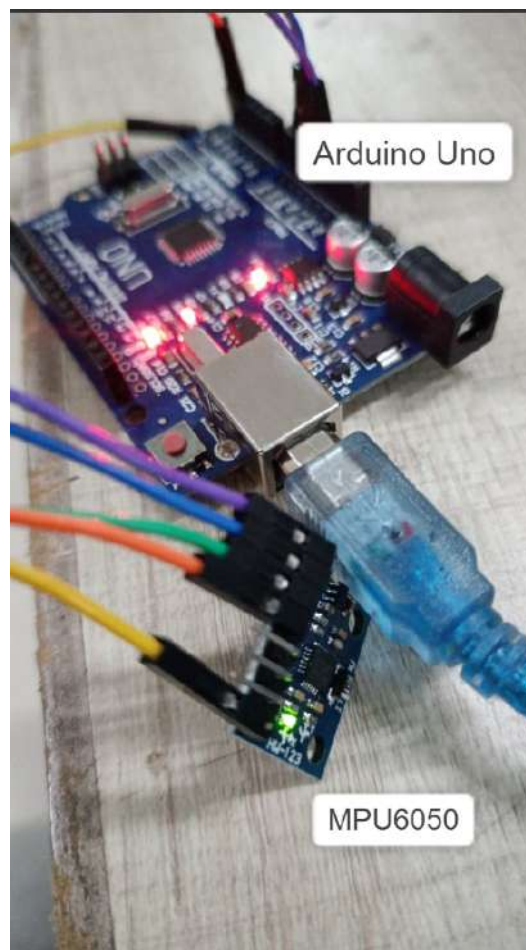
the chosen application's price. Given the wide variations in application costs, this is progressively more difficult.

Odoo includes a feature on their website that may estimate your monthly fees in order to help you avoid this computation fatigue. But take caution: if you need a lot of applications, you can end up paying the same price as many of the high-end enterprise options available.

Real-Time Implementation of the Extra Feature of the Accident Detection System:

Drive link of implementation video:

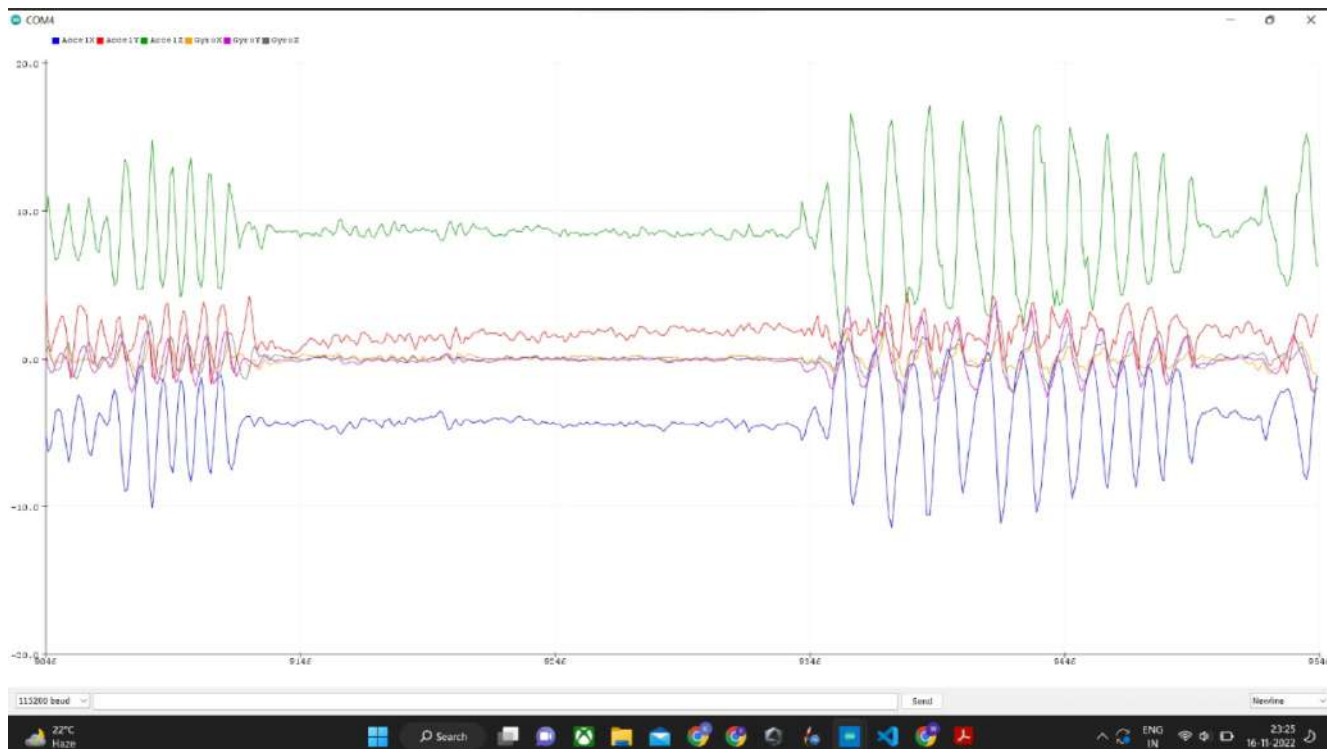
https://drive.google.com/file/d/1w-iKC5bpw9lkGml4md6ZP117Duz0iW27/view?usp=share_link



An MPU 6050 is able to identify the tilting of the car. When tilting reaches a certain level, an Arduino Uno signal is sent to the GSM module. The pre-registered numbers will receive a message from the GSM module stating that an accident has occurred.

Results Obtained:





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