

FACTORY ERP SYSTEM

Complete factory ERP system

System Components

- Human resource management system
- Warehouse management system
- Inventory management
- Customer Relation management system
- Finance Management system
- Accounting management system
- Sales Management system
- Document Management Online Ecommerce System
- Other system can be add easily

N.B this document is a short description of the ERP system the complete documentation will be provided after agreement. Since this document is not describing all smaller functionalities rather the main features.

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Chapter one

System description

Human Resource management system Functionalities

This sub system manages all HR Related functionalities some of the main functionality as listed below. This system will have two types of users:

- Human resource manager
- Employees

HR Manager Functionalities

- View and manage all HR data Analysis
- View all employee data view leaves information
- View all projects information
- View Loans of each employee
- View former employees' information
- View pending Leave application
- View Upcoming Project Information
- View week To-do list

Manage organizational data

- Add department information to system
- View department list
- Update department information
- Delete department information
- Add Employee Designation/ Position
- View Designation /position list Update Designation /position information
- Delete Designation information

Manage Employees

- Add employee information to the system
- View all Employs List
- Update complete Employees Information
- Delete Employee Information
- Add employees to Inactive list or forbid Employs for using the system

- Search any employees simply from system
- Sort Employee List by name position type etc.
- View Disciplinary list
- Give warning to Employees
- Convert Employee list to Excel
- Convert Employee list to PDF
- Migrate Employee Information with one click
- Print Employee Information

Leave Management

- View leave Requests
- Approve Leave Application
- Reject Leave application
- Export Leave application list To Excel
- Print Leave Information
- Export Leave request to pdf
- Prepare leave report
- Search Leave application
- Add holiday or now work day list
- View No work day list
- Update Holiday or no work day lists

Manage HR Projects

- Add HR projects
- View HR Projects
- Update HR Projects
- Delete HR Projects
- Prepare project task report
- Assignee tasks to employees
- Export project information to EXCEL and pdf
- Print project information

View all staff Payroll Information

Print Payroll information

Manage Notice

- Add Notice Information
- View Notice Information

Manage HR assets

- Add Assets category
- View assets category
- Add logistic data
- Export assets information to PDF or Excel
- Print assets information

Manage HR system setting

Manage HR manager account setting

Company Employee functionality in HR system

View all HR data Analysis

- View leaves information view all projects information
- View Upcoming Project Information
- View week To-do list Send Leave application

View his leave application status

View projects list Search projects

View assigned tasks Customer

Relation management system Functionalities

This sub system manages all customer Related functionalities some of the main functionality as listed below. This system will have two types of users:

CRM System

Customer management

- Customer data Registration
- Import excel customer data
- Customer information management
- Update/ delete customer info
- Manage customer payment issue like remain payment, dubie,paid issue
- Manage payment return or remaining

- Export customer data to excel,PDF,
- Easy customer info searching
- Customer info sorting It is Integrated with sales system, procurement, Inventory system

Supplier Management

- Supplier data Registration
- Import excel Supplier data
- Supplier information management
- Update/ delete supplier info
- Manage supplier payment issue like remain payment, dubie, paid issue
- Manage payment return or remaining for suppliers
- Export supplier data to excel, PDF,
- Easy supplier info searching
- Supplier info sorting
- It is Integrated with sales system ,procurement, Inventory system
- Manage Walk in customer information mean customers that are guest that buy one time
- Customer dubie management

Warehouse and Inventory management system functionalities

This sub system manages all Warehouse Related functionalities some of the main functionality as listed below. This system will have the following types of users

- Warehouse manager
- Warehouse manager
- Store keeper
- Sales man

System functionalities

- Handle complete item information

Manage stock information

- View store information
- View available stocks
- View expired stocks
- View low or empty stocks
- Update/delete stock information

- Identify Active and in active item
- Import items from excel data
- Manage out going items
- Transfer items from warehouse to other warehouse
- Manage transferred item info
- Generate sample excel for importing
- Preview multiple item barcode
- Print multiple item bar code
- Available stock report system
- Low stocks report system

Smart Inventory Data management Ways

- Fast item data searching
- View item data dynamically changing data UI
- Search, view, manage, items by category
- Search, view, manage, items by Brand
- Item pagination
- View data by page
- Item data filtering
- Item data sorting by all parameter like name, supplier, quantity, price, category and more
- Export item data to excel, pdf, CSV
- Copy multiple data one and move
- Automatic print for any data
- It is integrated with CRM system, sales system, and finance systems

Item brand management

- Register brands
- Update item brands
- Delete item brands

Sales management

- Sales invoice management
- Multiple payment methods for single sale
- Multiple different item sales by one click

- Simple item quantity and item type management
- Automatic price calculation
- sales charge calculation for transport ,loader
- Tax calculation

Sales data management

- View each customer invoice at any time
- Print each customer invoice at any time
- Update each customer invoice
- Convert invoices to pdf
- Return the invoice if there is problem
- Each sale payment info
- Checking dubie management
- Complete unpaid sales at any time
- POS invoice management
- Sold data analysis
- Delete sales

Sales return management

- Add sales return
- View returned sales invoice
- Update returned sales invoice
- Print returned sales data
- Delete returned sales data
- View payment info of returned sales data
- Generate report of returned sales data in excel pdf and CSV format
- Sales return data analysis view
- It is integrated with CRM system, Procurement system Inventory system

Smart Sales Data management Ways

- Fast sales data searching
- View sales data dynamically changing data UI
- Search, view, manage, sales data by customer
- Search, view, manage, sales data by sold data

- Search, view, manage, sort sales data by date range
- Sales pagination view data by page
- Sales data filtering
- Sales data sorting by all parameter like sales date, quantity, price, category and more
- Export sales data to excel, pdf, CSV
- Copy multiple data one and move
- Automatic print for any data
- It is integrated with CRM system, warehouse, and finance

Procurement management

- Add new purchase from new supplier
- Add new purchase from existing supplier
- Different product purchase with one click
- Purchase expense calculation like transport loader etc
- Purchase tax calculation
- Different payment method
- Purchasing dubie purchasing

Purchased data management

- View purchased data
- Generate invoice for purchasing item
- Update purchased product invoice
- Generate purchase invoice pdf
- Generate barcode for purchase
- Update purchased item data
- Remove purchased item data
- Automatic purchased data analysis for price and expenses
- Multiple item purchasing from one supplier
- It is integrated with CRM system, Sales system, and Inventory system

Purchase return management

- Add purchase return data
- Manage purchase returned data
- Return the returned data to normal purchase list

- Update any problem on purchased info and back them
- Purchase data reporting system

Expense management

- Add any expense
- View expenses
- Update expense information
- Remove expense
- Add expense category
- Manage expense category
- Update expense category
- Delete expense category expense
- Reporting system
- It is integrated with CRM system, Sales system, Procurement Inventory

Delivery place management

- Add delivery place
- Manage delivery place

User management

- Add any user
- Assign specific role for specific user
- Manage users
- User profile management

Role Management

- Create role
- Block user from accessing specific task
- Updating role
- Deleting role

Dashboard data analysis

- Dashboard shows
- Total purchase
- Total expense
- Today purchased

- Today received payment
- Total sales
- Today sales
- Total customer
- Total supplier
- Total purchase invoice
- Total sales invoice
- Purchase & sales bar chart
- Recently added items
- Expired items
- Stock alert
- Inventory status graph

System Users

- Store keeper
- Store manager
- Finance officer
- HR manager
- General Manager
- System admin
- Sales expert
- Purchase expert
- Any user can be registered and assigned specific task

General features

- Multiple language English, Amharic, tigreña, affan oromo
- Show stock alert
- Graphical data analysis
- Company information management
- User role management
- Tax management
- Item unit management
- Currency and deliver or supply place management

- Data backup
- Completed help guide
- Fast search of everything
- Sorting any content
- Printing any information
- User management
- Exporting to pdf or excel
- Importing from excel
- Responsive design
- Mobile application can work offline or online
- Completed video tutorials
- And more...

Smart Data Management

- Fast data searching
- View data dynamically changing data UI
- Search, view, manage, any data
- Data filtering
- Data sorting by all parameter like sales date, quantity, price, category and more
- Export data to excel, pdf, CSV
- Copy multiple data and move
- Automatic print for any data
- It is integrated with CRM system, warehouse, and finance

Reporting System

- Profit and loss reporting
- Purchase reporting system
- Purchase reporting system
- Purchase payment reporting system
- Item sales reporting system
- Item purchase reporting
- Sales report
- Sales return report

- Sales payment report
- Stock report
- Expanse report
- Expired item report

Office Document management system Functionalities

This sub system manages all Office document Related functionalities some of the main functionality as listed below.

The system will have two types of users' office manager

Office staffs

System manager or administer

- View all department data analytics
- Unlimited data upload in one click

Separate file storage for multiple users

- Responsive design
- Friendly user interface and full documentation
- Support unlimited file storage
- Add other system admins
- View edit, delete and block sub system admins
- Manage other users of the system
- Give permission to other users
- View edit delete others user information and documents
- View each department documents
- Add users to the system
- Add departments to the system
- View users of each department
- Upload multiple documents to central database at once
- View all department documents
- View shared documents
- Assign document permission
- Read the document
- Search documents simply with one click

- Print private or all department documents
- Has integrated pdf to word converter system
- Has Integrated image to pdf converter system
- Has Integrated text editor system
- Manage system users
- Update any documents
- Download any documents
- Delete any documents
- Manage account

Finance and accounting management system functionalities

This sub system manages all Finance related functionalities some of the main functionality as listed below. The system will have two types of users finance:

Finance staff

Finance manager

- Add expense category
- Overall finance data analytics
- User management
- Mange expense category and type
- Mange all activities of expense
- Manage all of Products or Items
- Mange daily sales
- Mange transaction
- Mange Sales report
- Generate Report
- Mange expense
- Procurement management
- View Reports
- Generate and send repot
- Mange account setting

Online selling and delivery Service management

This sub system manages all online selling and delivering related functionalities some of the main functionality as listed below .The system will have two types of users:

- Sales manager
- Sales

This system helps to promote the company products on online ecommerce platform. Which is used to customer buy products and order products online and the company sales manager will deliver the requested product to customer's place. The customers will not be requested to come in office in person.

Sales manager will do Data analytics dashboard manage online shape setting like add product description type size etc.

- Online shop product management system
- Online order management system
- Product advertisement system

Customers will see all products on the online plate form and they order the product after filling their specific address.

Security measure used in the System

- The system has used the following Factory measures to enhance Security
- Uses hashed password and encryption
- Uses password and username authentication
- Uses MVC architecture
- Requires authentication and authorization
- Uses modern language and frame works
- Uses Object oriented programming style
- Require Injection and validation
- Followed standard secure software development practices
- Used diverse Factory measures
- Used Web Application Scanners
- It Hides Sensitive Data in Cookies