**UNIVERSITY OF THE ARMED FORCES-ESPE**

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**FUNDAMENTALS OF ENGINEERING**

**2021-2022**

**8/10**

**UNIT 1  
Software: enterprise resource planning**

# **Team #1: DIGITAL TEAM**

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GRADE : 8/10

**Problem**

We need a system that allows us to collect the tasks of the entire company that have to do with productive or operational aspects in a single program, generally integrating information about finance, human resources and billing logistics.

**Overview**

In this program we will incorporate all the information of the orders requested, those sent, on the other hand all the information of the customers and distribution.

We will develop a business management program with an intuitive search interface where we will find a completed database of our business where we will not waste time filling in documents payable and receivable, we will avoid problems with both money-in and money-out transactions, all this information from customers, suppliers will be backed up in database.

When talking about the enterprise database, SQL is a common type of programming language for searching for data by solving the problem in a quick and easy way to find information about customers, suppliers, or transactions.

Thus minimizing failures and losses of information or misunderstandings with future customers, inventory, false disbursements of money and the productivity of the company

**Background**

One of the objectives of the companies is to provide a quality and efficient service or product.

To help with this, what better than an integrated system that optimizes and integrates the company's processes and thus helps decision-making and generates more and more good results.

With the functions included in an enterprise resource planning system, the company can, among other things, control incoming and outgoing goods, freeing up and optimizing warehouse spaces to increase profitability, detect low-turnover items, theft, and improve customer service reducing losses. due to lack of product and everything that collaborators need to correctly manage the business inventory.

To develop the software we must take into account various

accounting knowled will also need to have knowledge of general information about workers, customers and inventory.

get such as VAT, assets, liabilities, costs, expenses, taxes, we will also need to have knowledge of general information about workers, customers and inventory.

***Requirements***

-A system that facilitates the work of keeping, the accounts of a company and declaring its taxes

-The system shall store orderly information on the economic and financial status of the company

-The system will allow us to perform a faster search for information about suppliers or customers to be quickly transferred to the database that is directly connected to the program

-the system may order and organize the entry of new merchandise into the warehouse which will be reflected in the sales system of the prisoner whether or not there is availability of such products.

-The system will help us to quickly organize and facilitate the sale of products due to its speed and effectiveness, and will facilitate access to consumers.

***Meeting***

**What is your role in this company?**

I am in charge of managing the economic activities of the company, analyzing files, account statements, acquisitions, sales

**What is the process you carry out to make a payment within your company?**

A document is prepared specifying the concept of the data and the amount to be transferred, then that file is uploaded to the national interbank system in the file registration part.

then enter the central bank platform

In order to open the portal and enter personal password, we upload the file, the bank checks if the document is well executed, if not, the bank rejects the payment,

If everything is correct, they send you a message by email verifying the payment information.

Finally, the highest authority of the company enters the central bank portal again, verifying and authorizing the transfer to the treasury, after 48 hours the payment is credited to the provider

and the payment is made successfully

**How complicated is it to keep these records and calculations?**

It is complicated because all values ​​must be exact and I have to get the values ​​of all the areas for a general value

**What types of financial reports have you prepared and how was the information used?**

Do you think that a software that is in charge of carrying out the calculations helps you in your work?

The information is transferred directly with the vancos by means of digits contained in each bank, through which we can both receive and transfer a necessary information