**Requirement analysis:**

**Problem Statement –**

The salary and tax calculator is a prototype that calculates your in hand salary. It is a total salary an employee receives after all the tax deductions. The salary calculator consists of a functional box where you enter the cost to company(CTC) and the bonus included in the CTC. The salary calculator will show you the deductions such the employer and the employee provident fund, professional tax and the in hand salary.

**High Level Requirement –**

**Business Strategy –**

The project focusses on the calculation of the salary and the income tax they have to pay according to their annual income.

**User Strategy –**

The user will be able to find their in hand salary of a month as well as the tax they have to pay annually.

Input-

* The user has to input his/her annual salary.
* Employee also needs to enter his name.
* The user has to enter the organization’s name and the email id.
* The user has to enter the bonus amount.

**System Strategy-**

To calculate the in hand salary the employee must enter the cost to company and the bonus if any as a fixed amount or a percentage of the CTC. For example – your CTC is 6 Lakhs , the employer gives you a bonus of 50,000 Rupees for the year. Your total gross salary will be 6,00,000- 50,000 = 550000(The bonus must be deducted from CTC). The calculator then deducts the professional tax of RS 2400 annually . The calculator then subtracts the contribution of the employee towards the employee provident fund(EPF).

Total deductions = Professional tax + EPF(Employee contribution)

Output-

* The user will get the amount of tax employee has to pay annually.
* The program will display the in hand monthly salary.
* The program will also display PF of the individual.
* The program will also display the professional tax given by employee.

**Low level Requirement-**

**Current Resources (Hardware)-**

Processor: 2.5 GHz

Network connection: a wireless adapter (Wi-Fi)

Hard Drive: 512 GB

(Minimum) RAM Required: 4 GB

Current Resources (Software)-

Visual Code (For coding purpose),

C++,

Microsoft Word.

GitHub Desktop (To share files among team members),GitBash.

OS Specification- Windows 10

**Feasibility Study-**

1. **Technical Feasibility –**

In order to develop this project, the team need to create different functions in order to meet the requirements of the project. The functions are to be created in C++ programming language in Visual Studio Code. All the team members are to be actively participating in the coding process as well as documentation process as all the members have the required capabilities for the project.

1. **Operational Feasibility –**

This project will be easy to operate by any user even if he is not that much familiar to new technologies as human resources are available to operate the system once it has been installed. The operation of this project will solve the problem of salaried employees in terms of in-hand salary, PF deductions, medical insurance as well as how much tax they have to pay according to their salary. So, this project is solving one of the real time problem faced by people.

1. **Schedule Feasibility –**

The team will be provided with a timeline of 5 days in which they have to deliver the complete project with full documentation. The project requirement should be met before the deadline, otherwise the purpose of the project may fail.

**Business Research-**

– Nowadays, when an individual want to join an organization, he/she will have a basic query of how much their in hand salary will be according to their CTC and how much tax they have to pay. So our project calculates the salary as well as the tax.

**4 W’s and H?**

**What-**

The salary and tax calculator is a prototype that calculates your in hand salary. It is a total salary an employee receives after all the tax deductions.

**When-**

When the user wants to know his in hand salary and tax deductions he can know it easily by this project.

**Where-**

Any employee can use this prototype wherever he is doing the job.

**Why-**

For a fresher it is a genuine curiosity to know his in hand salary.

**How-**

The user has to enter his annual CTC and his bonus.

**SWOT Analysis:**

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| --- | --- |
| Strengths:  The salary calculator will calculate the take home salary and the user gets quicker access to his result.  The calculator shows the changes in salary structure if you get the bonus.  You get an idea of your contribution and your employer’s contribution towards your employee provident fund. | Weaknesses:  Not a GUI based project.  The data will not be saved.  No customer support. |
| Opportunities:  We can add multiple functionalities with the help of GUI. | Threats:  There is no data security.  It will not work if the income is too high. |