

INCOMON

A Project Synopsis on

**INCOMON**

(Web App for Income Tax related services)

Submitted by

**Gaurav M Mandke 111703071**

**Abhijeet P Chavan 141803001**

## Abstract

Every financial year citizens need to pay income tax to the nation based on their annual income. However, most of common tax payers today are unaware of the exact procedure of filing income tax. They give their annual income/expense details to auditors based on which they file the income tax. But some people give it to them blind foldly because of financial illiteracy and trusting the brokers without knowing the income tax calculation's exact procedure. It happens oftenly that some of these auditors take undue advantage of this and charge extra money than required or maybe file the income tax more than required without applications of certain schemes that the government implements during every financial year.

Therefore, we intend to make people aware of the world of income tax and increase the Financial Literacy among tax payers through **INCOMON** – A web application for Simplifying Income Tax Process.

## Introduction

We are aiming to create a system which will be having some real-life use cases. So, we did a small research on Income Tax Process, via this research we figured out that in today's date more than 93.2 % of tax payers are literate enough to access internet and using smart phones. But unfortunately, they are not motivated enough to be financially literate or not trying to be aware of E-filing or Income Tax related terms which are very useful for every one of them in day to day life.

So, we are taking initiative to make this income tax process friendlier to them through INCOMON.

### ▪ What is INCOMON?

INCOMON is basically a web application that helps tax payers to learn about Income Tax Process by providing all information about Government Schemes and Tax saving techniques and an Income tax calculator that helps them to calculate the amount of payable tax.

## Aims and Objectives

Our ultimate aim is to make tax payers completely literate about income tax process, Government schemes to reduce income tax, and all other techniques to reduce payable tax. So we are planning to create a web application that helps tax payers to learn and be friendlier about E-filing related process, tax calculation and reduction techniques.

Our prior Objective is to build a fully-fledged web system that acts as an interface between common tax payers and complex Income tax process. This system will increase knowledge of end users about income tax terms and processes.

## Motivation

We were searching about something that facilitates and helps our society. So we did a small research on the field of income tax and found that 44% of Indian population pays tax to the government. Through this research we figured out that Tax literacy is quite low among these people who pay tax every year. So again, we continued our research in this domain in a way to find how we as a software engineer can contribute to solve this problem.

As a result of our Research, we decided to develop a Web app – INCOMON that will help to overcome this problem in Income Tax System.

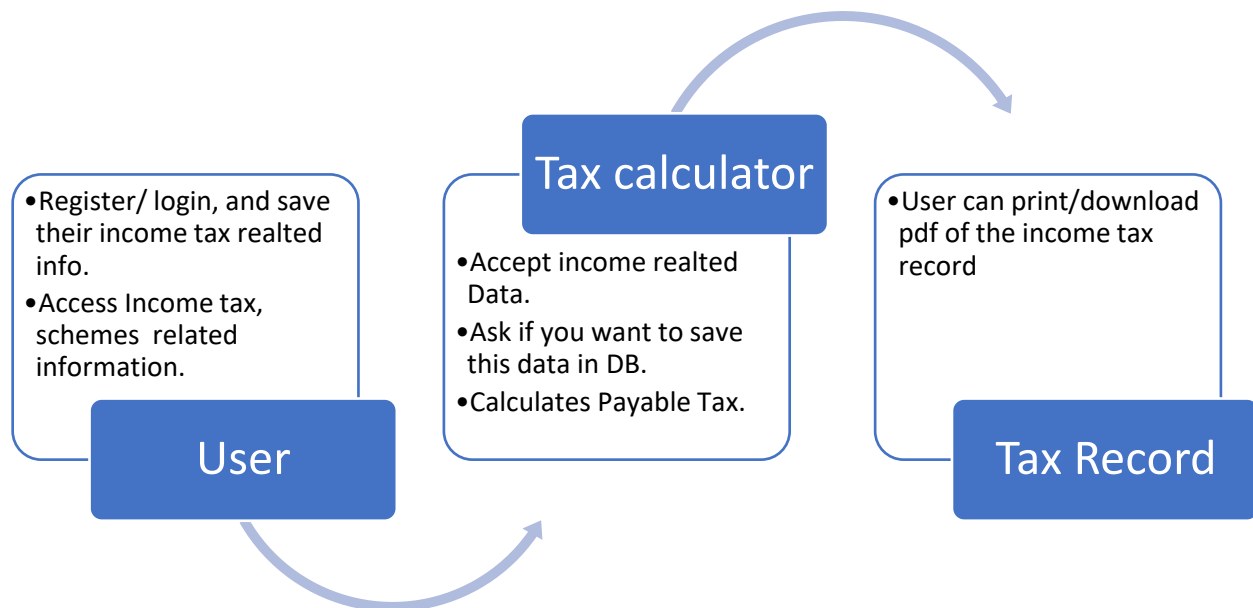
## Proposed System

As we have planned to build a web application, this application will allow tax payers (end users of the System) to register their account and it facilitate every user through their user account.

User will get all the information through various informative web pages.

Once user is logged in, he/she can save, edit, and update his/ her information related to income tax. He/she can calculate their own payable income tax using Income tax calculator provided on our web portal. In this Income Tax Calculation, we will provide various web forms that will accept information required to calculate payable income tax. While filling this data, we will provide enough information about what is to be filled in this particular field and where will you get information about the same to avoid tax payer's confusion while filling forms. Here we will provide various components to make form filling simple and correct. After entering a data into all the fields user will get result i.e. is total payable tax. After this we will provide a print option which will generates .pdf document of details and download income tax report in .pdf format.

### ▪ Basic overview architecture of the Proposed System



## Requirement Analysis

### ▪ **Hardware Requirements:**

Just a device that can access Internet and Web Browser is required for end user to access web portal.

### ▪ **Software Requirements:**

✓ Python 3.4x+ interpreter

✓ Back End:

➤ Flask Server

➤ MySQL Database

➤ Python – MySQL connector

✓ Front End:

➤ HTML

➤ CSS

➤ JavaScript

▪ **Functional Requirements**

- ✓ Basic Login and Account Registration System
- ✓ 2 pathways for filing income tax
- ✓ Segregation of Income source categories. (e.g. different types of gains, income from job, house rent etc.)
- ✓ Applying Government Schemes based on age, LIC policies for reduction in Tax
- ✓ Providing required information to end user for filling in the fields and links to various web-forms like Form 16, 15G form
- ✓ Final Income Tax Calculator
- ✓ Recommends the user for applying to schemes for reduction in taxes
- ✓ Creates a final PDF of income tax report.

▪ **Non-Functional Requirements:**

- ✓ Accurate calculation
- ✓ Glitch less processing
- ✓ Displaying Correct information on Final PDF
- ✓ Security: The information filled in by the user and final PDF generated should be stored in user's profile which is password protected and stored in the admin's database in the application's back-end.
- ✓ The Web Application should be user friendly and not complicated

## Process Model

Incremental Process Model is being used to develop this project from scratch.

### ■ What is Incremental Process Model?

- Incremental Process Model is a type of Prescriptive Analysis Model. Here the model prescribes a set of activities, actions, tasks, quality assurance and change the mechanism for every project.
- Incremental Process Model's steps are as given below:
  1. Communication – Project Initiation and requirement Gathering
  2. Planning – Estimating, Scheduling, tracking
  3. Modeling – Analysis and design of overall project.
  4. Construction – Coding/ implementation and testing the software.
  5. Deployment – Delivery and Feedback

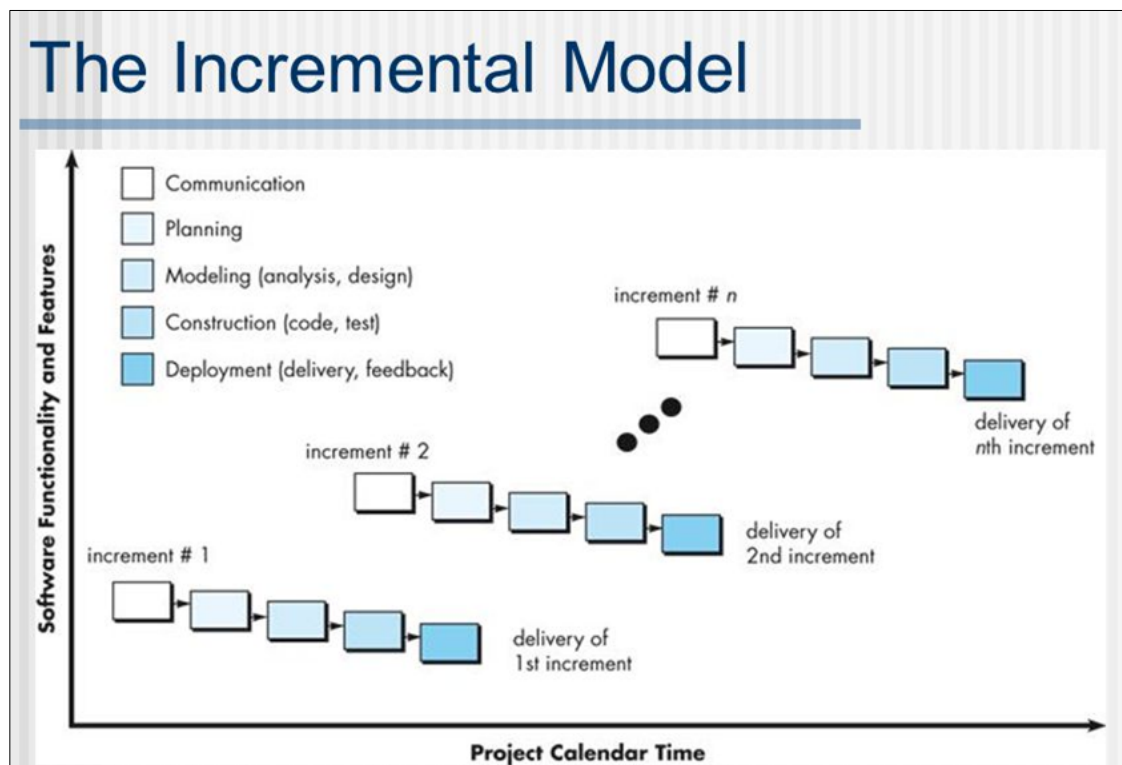


Diagram: Incremental Process Model.

▪ **When do we use the Incremental Model?**

- ✓ When the requirements are superior.
- ✓ A project has a lengthy development schedule.
- ✓ When the customer demands a quick release of the product.
- ✓ You can develop prioritized requirements first.

▪ **Why are we using the Incremental Model?**

We intend to develop our Web App in small stages. Each stage will be developed according to priority. We have an idea that initially the basic functionality of this app should be implemented. And then to develop further we add more functionalities after proper analysis and discussion.

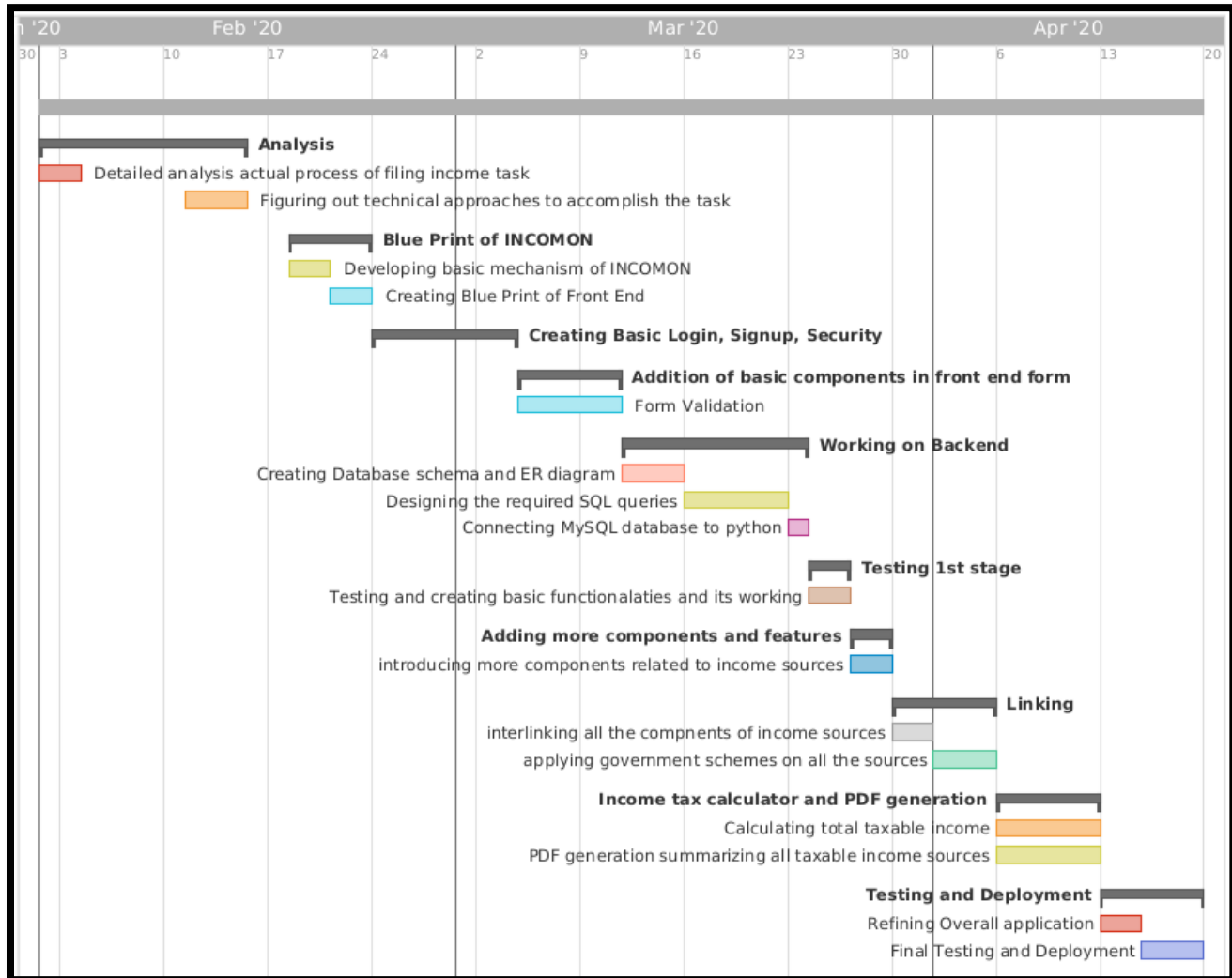
▪ **Advantages of Incremental Model**

- ✓ Errors are easy to be recognized.
- ✓ Easier to test and debug
- ✓ More flexible.
- ✓ Simple to manage risk because it handled during its iteration.
- ✓ The Client gets important functionality early.



# INCOMON

## Timeline Using Gantt Chart



Gantt Chart: INCOMON