



Parshvanath Charitable Trust's  
**A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE**  
(All Programs Accredited by NBA)

**Department of Information Technology**



# **Title of your Project**

## **PASSWORD MANAGER**

### **Group members with StudentId**

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**Project Guide**

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# 1. Introduction

A password manager **allows individuals and businesses to save and manage all their passwords from one safe space.**

## Problem Faced By Users:

- Often, users tend to use similar passwords across different networks and systems which **makes their passwords vulnerable to hacking.**
- A common way for attackers to access passwords is by **brute forcing or cracking passwords.**
- Solution:
- We use password manager so that we **can save and store multiple passwords in one safe place.**
- We would use a **master key** that will give us access to all our passwords.
- We can use it as it is available **across different platforms and devices,** making password manager **hassle-free.**

## 2. Objectives

Main objectives of a password manager are:

1. One **master key** to access your credentials.
2. **Store** passwords and other credentials securely.
3. **Access** all of your accounts.

# 3. Scope

1. **Safe and Secure:** Reliable password managers are very hard to hack. Strong encryption is offered by password managers, acting as a powerful deterrent to online criminals.
2. **Easy accessibility and managing :** Logging onto accounts is simple. You can also launch websites directly from the password manager instead of navigating to the site yourself.
3. **One master password to access your credentials:** A password manager stores all of your passwords in a **single vault** using one strong master password. The master password is the **only** password you will need to remember to access your vault.

## 4. Feature /Functionality

1. **Ability to encrypt passwords** and other confidential data with industry-standard encryption like aes-256,md5,sha2 .
2. Password managers **keep sensitive information private and secure**, helping to protect users privacy online.

# 5. Outcome of Project

1. **Simple and intuitive interface**, making it easy for users to get started
2. **Encourage users to create strong, unique passwords and regularly change them**, which is important for good password hygiene.
3. **Enhanced privacy**

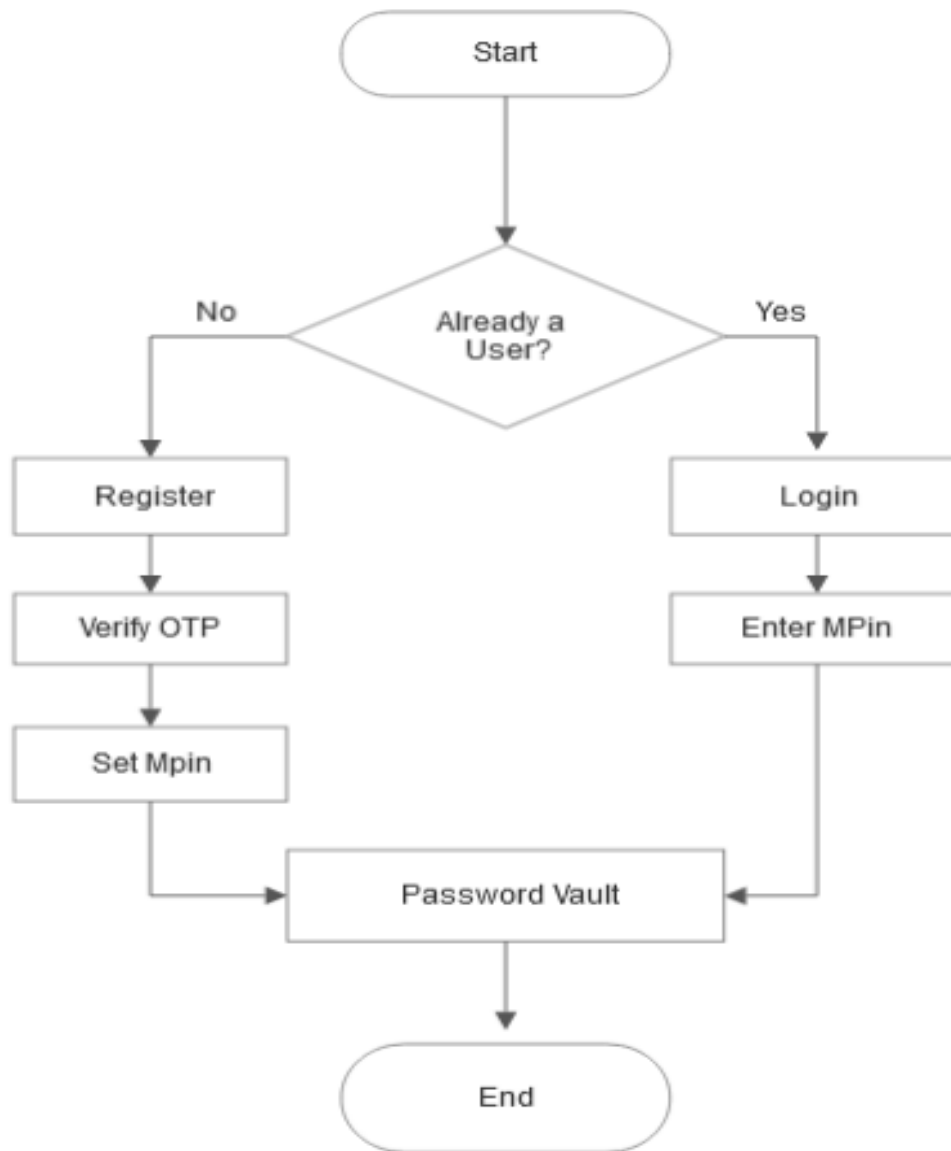
## 6. Technology Stack

Write what you have planned to develop front end ( GUI ) & Backend (Database if applicable)

1. Python
2. MySQL



# 7. Block Diagram/ Flow Chart



Thank You...!!