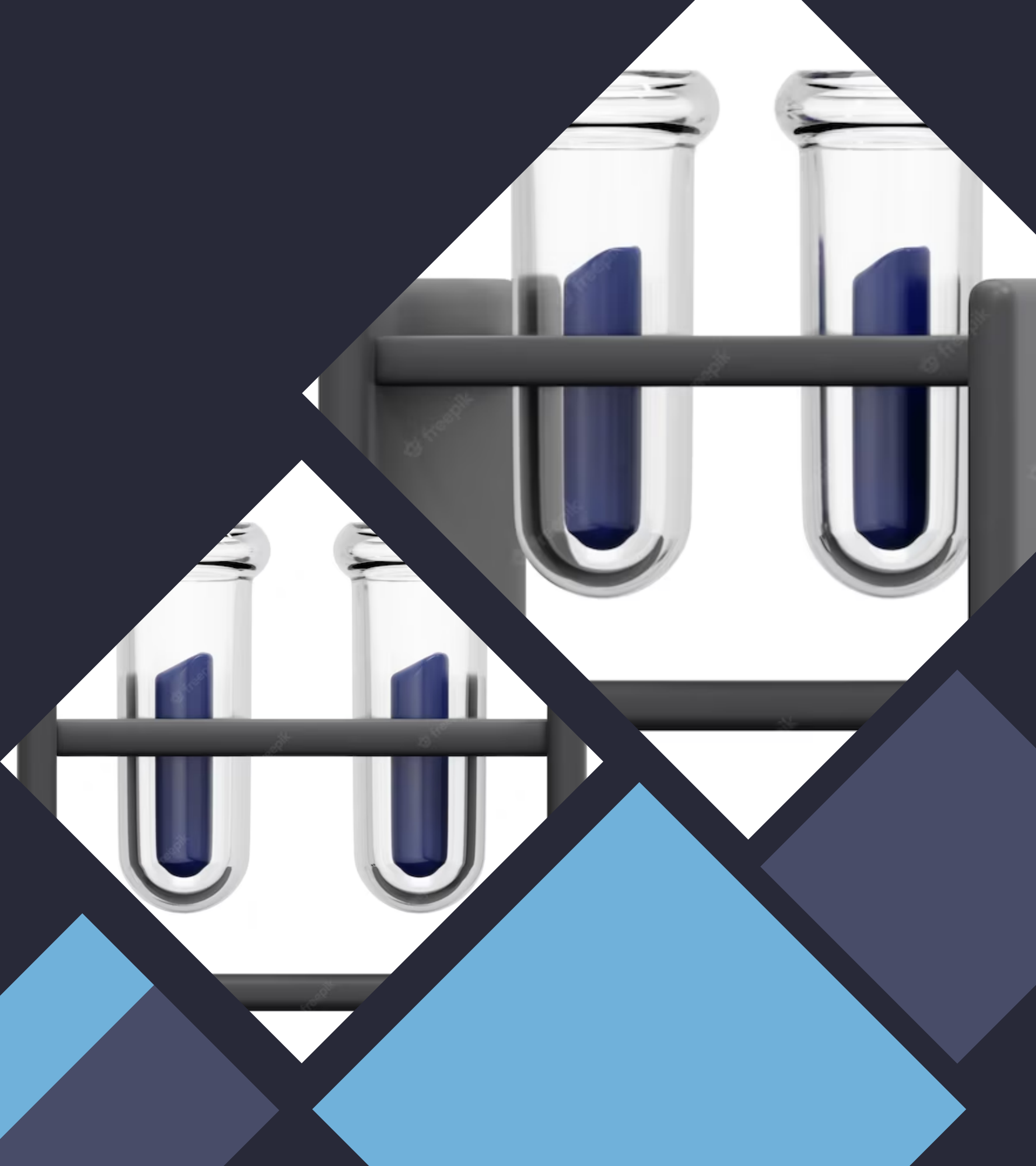# Building a Dynamic Database Management System with Flask: A Project Overview

Introduction

This project is a database management system to store information about various companies for a club called CSI in CoEP. It also gives analytics about companies which can be potential sponsors.

Project Scope

The goal of this project is to build a **database management system** that allows users to create, read, update and delete records. The system will be built using **Flask** and will utilize **SQL LITE** as the database.

Flask Framework

Flask is a micro-web framework that allows developers to build web applications with Python. It provides a lot of flexibility and can be used to build **complex web applications and to build dynamic database management systems.** Flask allows developers to use their own preferred libraries and tools to build their applications. This presentation will provide an overview of building such a system with Flask.

SQL LITE

SQL LITE is a Python library that provides a set of tools for working with SQL databases. It provides an **ORM** that allows developers to work with databases using Python objects. SQL LITE provides a lot of flexibility and allows developers to work with multiple databases.

Working

In this project we have a main page of all the places in Pune where potential companies are located. Here we can add more places according to our location. We have a separate database for each company where you can add/edit information and look at the analytics displayed company wise.

Conclusion

This project effectively stores and retrieves information and can save time of the CSI members. It is also easy to add, edit information in this application. It eliminates the use of excessive google sheets.

USP

What is different between this project and the using a google sheet to store information? This project organizes data in a neat manner and makes operation for new members easy. This website also displays analytics of the companies individually which helps user in choosing the right company for the upcoming years.

Future Scopes

We can deploy this app in various colleges as every college has a CSI club. We can also include specifications about which company sponsored which event and how much percentage did they sponsor.