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

Vehicle Parking Slot

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Project Guide
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1. Introduction

- **Problem Identified :**

Parking management system offers a solution to both the parking lot owner and the vehicle owner as it facilities hassle free vehicles parking and reduces parking management costs.

- **Solution Proposed:**

The system provides multiple solutions that include:On street parking control system: Our parking management system offers innovative parking solutions that utilize cutting edge technology for on street parking system.

Integration of access control: Our integrated parking management system comprises of access control and security features such as CCTV for surveillance,RFID,Automatic number plate recognition (ANPR).

2. Objectives

To park our vehicle in our own slot by paying.

To avoid towing problems.

To parked at a secure condition.

To maintain records in short time of period.

To look after the parking area is full or not.

3. Scope

In the moderm age many people have vehicles. Vehicle is now a basic need. Every place is under the process of urbanization.

There are many corporate offices and shopping centers,etc. There are many recreational places where people used to go for refreshment.

Every parking area needs a system that records the detail of vehicles to give the facilities.

4. Feature /Functionality

At the entry and exit gates,parking tickets can be easily verified against the vehicle captured with the help of ANPR feature.

The parking system is quite helpful in detecting lost/stolen vehicle.

Tracks entry of undesired vehicles in protected parking zones such as hospitals or government premises.

The system is easy to configure and is relatively maintainance free,even in long term operation.

5. Outcome of Project

1] Login Form

2] Home Page

3] Add Vehicle

4] Manage Vehicle

5] History

6. Technology Stack

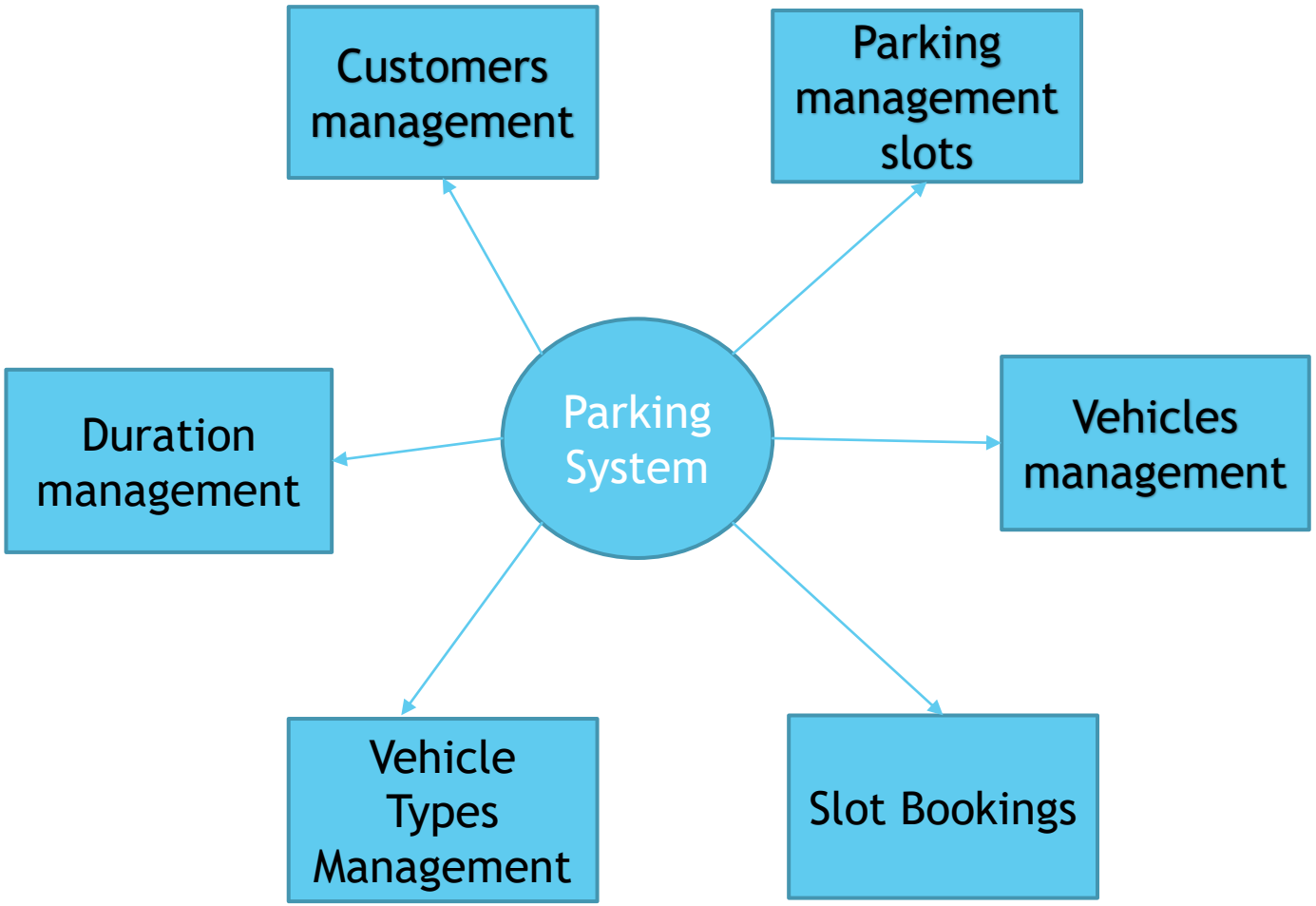
Database used for project

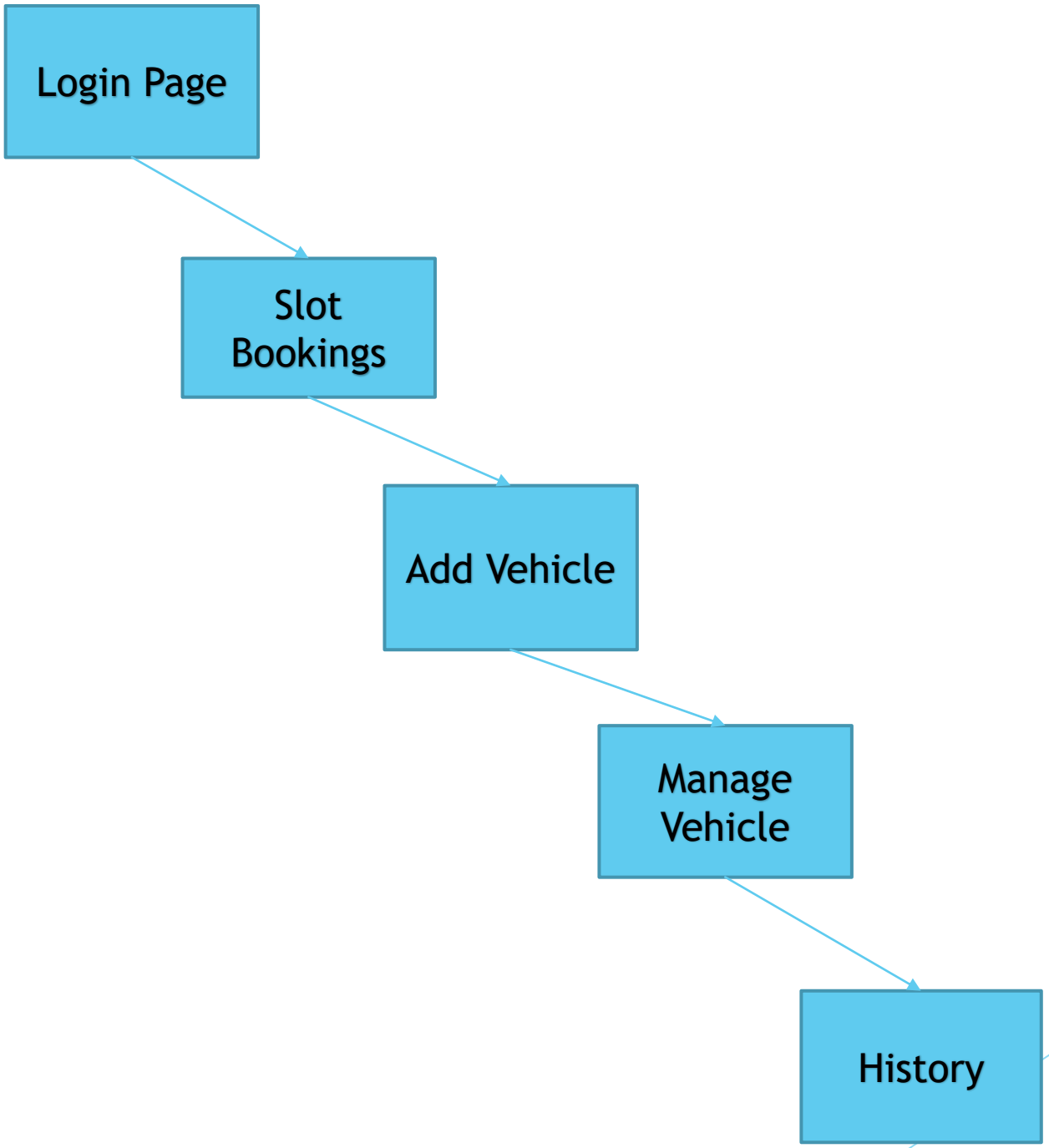
- My SQL

Programming language used for project

1) Python

7. Block Diagram




Login Page
Slot Bookings
Add Vehicle
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History

Thank You...!!