

## **Project Title:** Track My Device

### **1. Introduction**

In today's digital world, mobile phones, laptops, and tablets have become very important in our daily lives. However, loss or theft of these devices is a common problem. When a device is lost, users often face difficulties locating it, securing personal data, or recovering it. This project proposes a Track My Device system that helps users locate, monitor, and secure their devices using location tracking and internet-based technologies.

### **2. Problem Statement**

Device loss and theft lead to data loss, privacy risks, and financial loss. Existing solutions are often complex or limited. There is a need for a simple and reliable system that allows users to track their devices easily and secure them when lost.

### **3. Objectives of the Project**

#### **Main Objective:**

To design and develop a system that enables users to track and locate their devices in real time.

#### **Specific Objectives:**

- To track the real-time location of a device
- To display device location on a map
- To allow remote actions like locking or alerting the device
- To store tracking data securely
- To improve device security

#### **4. Scope of the Project**

The project focuses on tracking personal devices such as smartphones or laptops. It includes user registration, device tracking, and location history. Advanced biometric features are not included.

#### **5. Significance of the Project**

The system helps users recover lost devices, protect personal data, and reduce financial loss. It promotes digital safety and responsible device usage.

#### **6. Methodology**

The project follows an Object-Oriented Development Methodology using UML diagrams.

#### **Technologies:**

- Frontend: HTML, CSS, JavaScript
- Backend: PHP or Python
- Database: MySQL

#### **7. System Requirements**

##### **Software:**

- Android OS, android Studio
- XAMPP
- MySQL
- Web Browser

##### **Hardware:**

- Laptop or Desktop
- GPS-enabled device
- Internet connection

## **8. Literature Review (Brief)**

Studies show GPS-based tracking systems improve device recovery and security. Simplicity and real-time updates are key factors.

## **9. Expected Output**

- Functional Track My Device system
- Real-time location tracking
- Secure login
- Location history
- Documentation

## **10. Conclusion**

The Track My Device project provides a practical solution for locating lost devices. It enhances security and demonstrates effective use of modern web and tracking technologies.