Software Requirements Specification (SRS) - iOV Platform

1. Introduction The iOV (Internet of Vehicle) platform aims to provide a comprehensive GPS tracking and telematics solution. This document outlines the functional requirements for the platform, including user registration, device management, vehicle registration, customer management, user agreement, and privacy policy.

2. Scope The iOV register platform will include the following modules: User Registration Device Management Vehicle Registration Customer Management User Agreement and Privacy Policy

User Registration , User Management

Functional Requirements Register User Users can provide their name, email address, password, contact number, and address to create an account. Get User List Retrieve a list of all registered users. Edit User Profile Allow users to update their profile information. Add User Log Record usage logs related to user activities. Remove User Admins can remove a user and associated data.

Device Registration , Device Management

Functional Requirements Register Device Devices can be registered with relevant information. Get Device List Retrieve a list of all registered devices. Get Device Status Fetch the current status of a specific device. Edit Device Profile Allow editing of device-related information. Add Device Log Record logs related to device activities. Remove Device Admins can remove a device and its data.

Vehicle Registration , Vehicle Management

Functional Requirements Register Vehicle Vehicles can be registered with details like license plate and owner information. Get Vehicle List Retrieve a list of all registered vehicles. Get Vehicle Profile Fetch the profile of a specific vehicle. Edit Vehicle Profile Allow editing of vehicle-related information. Add Vehicle Log Record logs related to vehicle activities. Remove Vehicle Admins can remove a vehicle and its data.

Customer Registration , Customer Management

Functional Requirements Register Customer Admins can register customers with relevant information. Get Customer List Retrieve a list of all registered customers. Edit Customer Profile Allow editing of customer-related information. Add Customer Log Record logs related to customer interactions. Remove Customer Admins can remove a customer and associated data.