E-Bike Road Assistance System

Abstract:

The E-Bike Road Assistance System is a specialized service designed to offer prompt support to electric bike riders encountering issues while on the road. This system addresses common concerns such as battery replacements, tire repairs, and technical assistance for electric bikes. Users can easily access a dedicated helpline to seek quick response and on-site help, ensuring a smooth and safe journey. The incorporation of location tracking enhances the efficiency of assistance, providing a seamless experience for e-bike riders.

1.Helpline and Customer Support Module:

Description: Establishes a dedicated helpline for users to contact when facing issues with their e-bikes. Provides responsive and helpful customer support to address concerns promptly.

2.Battery Replacement Service:

Description: Offers on-the-spot battery replacement services for e-bike users experiencing battery-related issues, ensuring minimal downtime during their journey.

3.Tire Repair and Maintenance Module:

Description: Facilitates tire repairs and maintenance services, addressing common issues such as punctures or flats, to keep e-bike riders back on the road quickly.

4.User Authentication and Identification:

Description: Implements user authentication to verify the identity of the e-bike rider seeking assistance, ensuring the security of the service.

5.Payment Processing and Billing Module:

Description: Manages payment processing for on-site assistance services. Generates bills and receipts for transparent and secure financial transactions.

6.Feedback and Rating System:

Description: Allows users to provide feedback and ratings for the assistance services received, contributing to continuous improvement and service quality enhancement.