DATTA MEGHE
INSTITUTE OF HIGHER
EDUCATION & RESEARCH

SCHOOL OF ALLIED SCIENCES
FACULTY OF SCIENCE & TECHNOLOGY
Sawangi (Meghe), Wardha- 442107, Maharashtra, India
www.dmiher.edu.in

PROJECT SYNOPSIS

Name of Student: Gauri Manoj Gundawar

University Roll No:39355

Program Name and SEM: MCA SEM-IV

Project Title: Breakdown Buddy

Name of the Company Guide: Sumedha Sahasrabudhe

Name of the College Guide: Prof. Kalyani Satone

Date of Synopsis Submission: 19/07/2023

Project Details

The Breakdown Buddy App is a comprehensive mobile application designed to provide immediate and efficient support to users experiencing vehicle breakdowns. This app aims to improve the existing system of roadside assistance by using modern technology and a user-friendly interface. By offering a range of services and functionalities, the proposed system seeks to minimize the inconvenience caused by breakdowns and ensure a prompt resolution.

The Breakdown Buddy App is a mobile application that aims to enhance the existing system of roadside assistance. The app provides a user-friendly platform that helps users directly find mechanics, ensuring quick and efficient support during vehicle breakdowns. This app offers a comprehensive solution to minimize inconvenience and ensure a seamless breakdown resolution experience.

Existing System

The existing system of roadside assistance often relies on phone calls to service providers or automobile clubs or searching manually, resulting in delays, miscommunication, and limited services coverage. Users face difficulties in locating nearby service providers that makes the process less efficient. Moreover, traditional systems may have limited services options, making it challenging to meet the diverse needs of users.

Manually searching for mechanics can have several drawbacks like time consumption, limited options, lack of information, etc.

Users may have limited information about the mechanics they are contacting like their address, charges, services. During emergency breakdown situations, the stress and urgency of the situation can make manual searches even more challenging. It can be difficult to find and contact

mechanics quickly, creating inconvenience and potential safety risks. Overall, manually finding mechanics for vehicle breakdowns can be inefficient, time-consuming, and may not provide users with the best possible options or experiences.

Proposed System

To overcome above problems utilizing a dedicated app or platform can help for breakdown assistance can address these drawbacks by providing a seamless, efficient, and reliable solution for connecting with mechanics in real-time.

The proposed system will help users find mechanics for their vehicle facing breakdown. Users can create account by registering themselves on the app and can login. It will allow users with a search bar to search mechanics.

A different module for mechanics is provided to register themselves so that user can find them. Mechanics can edit their profile like sometimes their contact numbers or rates can change by time, they can update these details by logging in.

Scope of the System

It will assist users to find relevant help in converse situations. This system will assist users in reducing the effort spent on finding vehicle breakdown assistance or help. It will also satisfy the user requirement and be easy to understand by the user/operator.

It will have a good user interface and be expandable. Like some other features can be added like finding toeing vehicle, fuel stations, etc. Overall, the vehicle breakdown assistance app remains relevant in the future by adapting to emerging technologies, providing personalized services, and leveraging advancements in mobile technology.

Software and Hardware Environment

Software Specification:

Operating System: Android

Front End: XML

Back End: MySQL

Signature of Student **Signature of Company Project Guide**