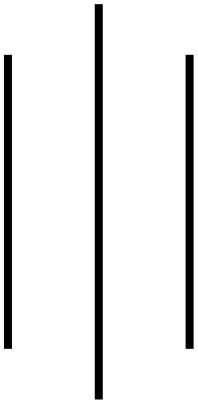
Tribhuvan University

Faculty of Humanities and Social Sciences

SYNOPSIS ON

"Bike Servicing Tracker"



Submitted to

Department of Computer Application

Aadim National SS/College

In partial fulfillment of the requirements for the Bachelors in Computer Application

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2078/10/03

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Bike Servicing Tracker

1. Introduction

Now a day, technology is on a boost. People wish to live a luxurious life with minimum physical work. Here we provide a web application for ‘Bike Servicing Tracker. This application is a web application which can be run on any browser. The proposed app will enable any bike user to search and communicate with bike service center. The user can find the service center, book bike service provided by the respective service center. The user can send request for pick and drop, appointment for servicing, test drive as well as accessories purchase to the service center. The service center processes these requests and gives a response back to the user through status update for invoice.

2. Problem Statement

The purpose of this project is to provide Bike Servicing Tracker more effectively than the existing system. There are some disadvantages of the existing service center management systems. These disadvantages are overcome by the Bike Servicing Tracker. And it can be made handily available to every person. Previously people could not get help or locate the service centers conveniently in case of their bike break-down or any other emergencies. Thus, BST is proposed to assist people and fulfill their requirements easily.

3. Existing Problem

- Existing system is semi-manual and all work is done by paper and computer system.
- Customer can’t see Job card details after servicing of bike.
- Only additional parts details can be viewed in bill.
- Records are stored manually regarding service.
- Existing system is time consuming and not user friendly.

4. Objective

- To Store repair and maintenance data
- To Improve Customers' Experience
- To Increase Revenue
- To Increased Efficiency
- To save the time

5. Scope

- Easy to use because all Details of bike sales & servicing will quickly available 24 x 7 on website.
- It can be easily accessed globally with help of Internet.
- Maintaining records will be easier because all details are stored in database and retrieved easily from it.
- It provides Alerts or Reminder by E-MAIL.
- It Provides online booking of bike and servicing easily
- It provides user friendly environment.

6. System Specifications

The Bike Service Management project is built in the java EE using the maven build tool following the MVC architect. As a back end, I am using MYSQL. And using tomcat server to deploy and run the application.

6.1 Software Requirements:

Front End: Html, CSS, JS.
Back End: Java EE
Server-side: Jsp, Servlet.
Server: Tomcat 8.5.
Database: Mysql.

6.2 Tools:

IDE: Eclipse

6.3 Hardware Requirements:

Processor: Intel 3

Installed memory (RAM): 2 GB

Hard Disk: 500 GB

Operating System: Windows 7,8,10

7. Module Description

7.1 Admin

- Manipulate service details
- View service details
- Generate reports
- Manage booking
- Manage customer details
- Manage bike service details
- Maintain delivery details

7.2 User

- Registration
- Login
- View profile
- Check service details
- Online booking of bike servicing
- Feedback