

# Two-Wheeler Servicing System (BCA Project)

## Project Overview

The **Two-Wheeler Servicing System** is an online web application developed to simplify and streamline the process of booking and managing two-wheeler service appointments. This system eliminates queues and enhances customer convenience by providing a dedicated platform for user registration, appointment scheduling, and service management.

## Key Features

- **Online Appointment Scheduling:** Allows users to book a service slot from any device at their convenience.
- **User Registration & Login:** Dedicated interface for new user sign-up and secure login.
- **Queue-Free Service:** Designed to ensure an efficient and hassle-free experience by managing appointments digitally.
- **Customer Convenience:** Increases transparency and ease of managing service appointments.

## Technology Stack

This project was built using a robust combination of front-end, back-end, and database technologies.

Category	Technology	Purpose
Front-End	HTML5, CSS3, JavaScript	Structure, styling, and interactivity for the user interface.
Back-End	JSP (JavaServer Pages)	Dynamic content generation and handling application logic.
Database	Oracle 11g	Persistent storage for user and appointment data.
Server	Apache Tomcat	Deployment and execution of the web application.

## **Installation and Setup**

Follow these steps to get a copy of the project running on your local machine.

### **Prerequisites**

- **Java Development Kit (JDK)** (version 8 or higher recommended)
- **Apache Tomcat** (version 9.x recommended)
- **Oracle 11g Database** or access to an equivalent instance

## **Developer & Guidance**

### **Sumit Kumar**

- **Email:** sumit05021999@gmail.com
- **LinkedIn:** [www.linkedin.com/in/sumitkumar023](https://www.linkedin.com/in/sumitkumar023)
- **GitHub:** <https://github.com/SUMIT05021999>

### **Guided By**

**Prof. Sweta Suman**