Boat Booking System Project Synopsis

# 1. Introduction

The Boat Booking System is a web-based platform developed using PHP and MySQL that allows customers to book boats online for various purposes such as tours, fishing, transport, and private events. This system is designed to overcome the manual, time-consuming process of traditional boat bookings by offering a simple and reliable digital solution. Through this platform, users can check available boats, make reservations, and receive booking confirmations, all from the comfort of their devices.

# 2. Existing System

Currently, boat bookings in most places are handled manually. People must visit the boat service provider or contact them via phone to inquire about boat availability, pricing, and schedule. This manual process has several disadvantages:  
- No real-time boat availability status.  
- High chances of overbooking or mismanagement.  
- Difficult record-keeping and reporting.  
- Time-consuming for both customers and service providers.  
- Lack of proper customer communication and updates.

# 3. Proposed System

The Proposed Boat Booking System aims to digitalize the entire booking process with an easy-to-use website. The system will allow:  
- Online boat search based on availability, type, and price.  
- User registration and online booking management.  
- Automatic invoice generation.  
- Admin control to manage boats, bookings, and users.  
- Faster and more accurate communication with customers through email notifications.  
- Reduction of manual errors and better data management through a centralized database.

# 4. Modules

## A. Admin Module:

- Login to the admin panel.  
- Add/Edit/Delete boat details.  
- View and manage all bookings.  
- Manage user accounts.  
- Generate reports of daily/weekly/monthly bookings.

## B. User Module:

- User registration and login.  
- Search available boats.  
- Book boats for specific dates and times.  
- View and manage booking history.  
- Cancel bookings if needed.

## C. Payment Module:

- Calculate total fare based on boat type and duration.  
- Generate booking invoices.  
- (Optional) Online payment gateway integration.

# 5. Need and Scope

## Need:

- To eliminate the hassle of manual booking systems.  
- To provide real-time information on boat availability.  
- To offer customers the convenience of booking from anywhere.  
- To ensure accurate record-keeping and reporting for boat owners.

## Scope:

- Can be expanded to support multiple locations and boat operators.  
- Future integration with online payment gateways (like PayPal, Razorpay).  
- SMS and email notifications for booking status updates.  
- Mobile application development for on-the-go bookings.  
- GPS tracking and live status of boats.