

Course Code: DB-A-SP25

Submitted To: Dr. Sarwan Abbasi

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# FINAL PROJECT

## DETAILED SCOPE

### **RAILWAY MANAGEMENT SYSTEM**

#### **Team Members:**

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Estd. 1864

**FORMAN CHRISTIAN COLLEGE**  
(A CHARTERED UNIVERSITY)

## Detailed Description & Scope

- It's a railway system consisting of various departments for smooth operation.
- Each department employs about 100 staff members dedicated to railway operations.
- The system manages a fleet of 300 trains, offering services like Economy, Express, and Freight, with statuses as Active or Inactive.
- Detailed maintenance records are maintained for each train to ensure safety and compliance.
- Trains are categorized into classes based on type and service, with specific capacities for passenger accommodation.
- Routes for trains are meticulously tracked, including origins, destinations, and distances covered.
- The system oversees employee data, including train crew and administrative staff, ensuring adequate staffing levels. Hiring for employees for all departments and Train crew is done separately
- Passenger information, including personal details and contact info, is stored for booking and management.
- Ticket transactions, including bookings and cancellations, are recorded for revenue tracking.