**Project Selection Form (0 marks)**

|  |  |  |
| --- | --- | --- |
| **Project Team Name** | : | Group\_2 |
| **Team Members Name** | : | Ahmad Danish Adly Bin Md Puad |
|  |  | Quek Sze Yang |
|  |  | Nur Shakirah I’zzah Binti Zamri |
|  |  | Nur Aina Syahira Binti Mohd Shah |
|  |  | Nurul Nadia Binti Abd Wahab |
|  |  | Chua Kai Zen |
|  |  | Osama Abdulghani Ahmed Jallad |
| **Title of the system** | : | A Development of Web Application for Railway Ticketing and Reservation System for KTM with QR Code-Based Authentication & Password Hashing and Salting |
| **Domain of the system** | : | Ticketing and Reservation System |
| **Introduction of the project (in 200 words)** | : | This project focuses on developing a secure web-based railway ticketing and reservation system. The system allows passengers to book and manage their railway tickets online. It incorporates robust security measures like QR code-based authentication and password hashing and salting to safeguard user data and prevent unauthorized access. It aims to provide a convenient, secure, and efficient solution for passengers to make reservations while ensuring that sensitive user information is protected from cyber threats. |
| **System Scope (Functionality of the system)** | : | User registration and login with password hashing and salting for secure authentication. |
|  | QR code-based authentication for ticket validation during boarding |
|  | Reservation and cancellation of railway tickets |
|  | Viewing train schedules, available seats, and ticket pricing |
|  |  | User profile management, including updating personal and travel details |
|  |  | Admin panel for managing train schedules, ticket prices, and user data |

**Signature**



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**(Name of Project Leader: AHMAD DANISH ADLY BIN MD PUAD)**

**Date: 10/22/2024**