****

Summer Training

**Future University in Egypt**

**Faculty of Computers and Information Technology**

**Department of Computer Science**

|  |
| --- |
|  |

**Supervised by**

**Hossam Magdy**

**Project Title:**

**Railway Reservation System**

|  |  |  |
| --- | --- | --- |
| Prepared by | | |
| Name | **ID** |
| Joyce Mikha | 20183808 |
| Mariam Fathy | 20184294 |
| Remon William (Team Leader) | 20182074 |

Table of Contents

[1. Scope 3](#_Toc80924528)

[2. Functional Requirements 3](#_Toc80924529)

# Scope

Railway Ticket Reservation System is a ticketing system which provides facility to the railway administration of booking the tickets for passengers digitally. the booking process has become easier, and within the reach of travelers, the user can select the governorate from which he wants to travel and to which he wants to go , and the available trains will appear to him, where they can inquire about vacant seats on air-conditioned trains, and determine the number of tickets To be booked, the travel date and train time will be specified, the number of seats available on each train will be shown, and users will need to enter their visa card. The number at which they will buy tickets will appear automatically, specifying dates and seats.

# Functional Requirements

* The *user* shall register to the system by entering his information (Username, E-mail, Telephone).
* The *user* shall login to system with username and password, the login process will not complete until the verify function is applied.
* The System should generate a unique identification No. for each passenger that is to differentiate between passengers with similar data.
* The *user* shall select the departure station, the destination, And the travel date including their arrival and departure time.
* In case there are available seats, The *user* shall select number of seats, coaches class and train type.
* Users can pay tickets fees electronically using Visa or Master Cards.
* The System will notify the user with the reservation details via E-mail.
* Users can edit or cancel the ticket reservation and the fare will be refunded in case of cancellation.
* Admin can add, remove and modify trains information.
* Admin can add, remove user information.
* Admin can get passenger list.