



**BANGLADESH UNIVERSITY OF BUSINESS & TECHNOLOGY**  
**(BUBT)**  
MIRPUR-2, DHAKA

## **Railway Reservation System**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING.



**June, 2019**

# **Railway Reservation System**

*A project*

*Submitted to the Department of Computer Science and Engineering  
Bangladesh University of Business and Technology (BUBT), Dhaka  
in partial fulfillment of requirements  
for the software development -1 project  
of*

**Bachelor of Science  
in  
Computer Science and Engineering.**

**By:**

**Syeda Nowshin Ibnat(ID:17183103020)**

**Mahmuda Begum(ID:17183103030)**

**Fatema-Tuz Zohra(ID:17183103009)**

**Intake-39(Sec-1)**

**Supervised by:**

**M. M. Fazle Rabbi**

Assistant professor,

Department of Computer Science and Engineering ) CSE (  
Bangladesh University of Business and Technology ) BUBT (  
Mirpur-2, Dhaka-1216, Bangladesh

## **ABSTRACT**

The Railway Reservation System facilitates the passengers to enquire about the trains available on the basis of booking and cancellation of tickets, enquire about the status of the booked ticket, etc. The aim of case study is to design and develop a system maintaining the records of different trains, train status, and passengers. The users can directly choose from the option provided such as book a ticket, cancel a ticket, etc.

This project contains introduction to the Railways reservation system. It is a simple system of reserving the seats of train. It is mainly used for long route. In our country, there are number of counters for the reservation of the seats and one can easily make reservation and get tickets. Then this project contains entity relationship model diagram based on railway reservation system. There is also design of the railway reservation system and flow charts. Also there are different modules for railway reservation system.

## DECLARATION

We hereby declare that the project entitled “**Railway Reservation System**” submitted in partial fulfillment by us for the software development -1 project in the faculty of Computer Science and Engineering of **Bangladesh University of Business and Technology (BUBT)** under the guidance of our supervision of **MR. M. M. Fazle Rabbi**, Assistant professor, department of Computer Science and Engineering. It is our own work and it contains no material which has been accepted for the award to the candidates of any other disciplines except few references which is taken from various books and authors to enrich our knowledge about the topic of our project.

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Syeda Nowshin Ibnat  
ID:17183103020  
Intake: 39

---

Mahmuda Begum  
ID: 17183103030  
Intake: 39

---

Fatema-Tuz Zohra  
ID: 17183103009  
Intake: 39

# Certificate

## To Whom It May Concern

That is to certify that Syeda Nowshin Ibnat, Mahmuda Begum and Fatema-Tuz Zohra students of B.Sc. in CSE has completed their software development-1 project work titled **“Railway Reservation System”** “satisfactorily in partial fulfillment for the requirements of B.Sc. in Computer Science and Engineering from Bangladesh University of Business and Technology in the year June, 2019.

-----  
Syeda Nowshin Ibnat  
ID: 17183103020  
Intake: 31

-----  
Mahmuda Begum  
ID: 17183103030  
Intake: 31

-----  
Fatema-Tuz Zohra  
ID: 17183103009  
Intake: 31

-----  
**Project Supervisor**

**M. M. Fazle Rabbi**

Assistant professor  
Department of CSE,  
Bangladesh University of Business and Technology (BUBT).  
Mirpur-2, Dhaka-1216.

## **Dedication**

*Dedicated to our parents for all their love and inspiration.*

# Acknowledgement

“Task successful” makes everyone happy. But the happiness will be gold without glitter if we didn’t state the persons who have supported us to make it a success. Success will be crowned to people who made it a reality but the people whose constant guidance and encouragement made it possible will be crowned first on the eve of success.

This acknowledgment transcends the reality of formality when we would like to express deep gratitude and respect to all those people behind the screen who guided, inspired and helped us for the completion of our project work. We consider ourselves lucky enough to get such a good project. This project would add as an asset to our academic profile.

We express our gratitude to the help of our supervisor **Mr. M. M. Fazle Rabbi**, for his constant supervision, guidance and co-operation throughout the project and for giving constant motivation and valuable help through the project work. We also would like to thanks to our honorable chairman **Prof. Dr. M. Ameer Ali**, for his support and giving us support and giving us permission to use the computer lab whenever we needed.

We extend our sincere gratitude to our parents who have encouraged us with their blessings to do this project successfully. Finally, we would like to thank to all our friends, all the teaching and non-teaching staff members of the CSE Department, for all the timely help, ideas and encouragement which helped throughout in the completion of project.

# Approval

This project “**Railway Reservation System**” submitted by **Syeda Nowshin Ibnat, Mahmuda Begum** and **Fatema-Tuz Zohra** ID No. **17183103020, 17183103030** and **17183103009** students of B.Sc. in Computer Science and Engineering from Bangladesh University of Business and Technology in the year june,2019 under the supervision of **M. M. Fazle Rabbi**,Assistant Professor Department of Computer Science and Engineering has been accepted as satisfactory for the partial fulfillment for the requirements of B.Sc. in Computer Science and Engineering and approved as to its style and contents.

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## **Project Supervisor**

**M. M. Fazle Rabbi**

Assistant professor  
Department of CSE,  
Bangladesh University of Business and Technology (BUBT).  
Mirpur-2, Dhaka-1216.

---

## **Chairman:**

**Prof. Dr. M. Ameer Ali**

Professor and Chairman  
Department of Computer Science and Engineering )CSE(  
Bangladesh University of Business and Technology )BUBT(  
Mirpur-2, Dhaka-1216, Bangladesh



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# Abbreviations

## Synonyms and Acronyms

C

RAM

DFD

## Descriptions

Structured Programming Language

Random Access Memory

Data Flow Diagram

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