



Govt. Shahid Akbar Ali Science & Technology College,  
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**Name of the Student with Id:**

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**Project/Thesis Proposal**

**1. Tentative Title of the Project:** Online Ticket Reservation System

**2. Objective:**

- i) Providing a web-based bus ticket reservation function where a customer can buy ticket through the online system without a need to queue up at the counter to purchase a ticket.
- ii) Enabling customers to check the availability and types of busses online.
- iii) Easing ticket payment through bkash, mkash & rocket.
- iv) Ability of customers to cancel their reservation.
- v) Admin user privileges in confirming ticket payment, creating and deleting route and adding company.

**3. Short Description of the Project/Thesis:**

The system is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations. Selecting source, destination location and the date of journey. Choosing from the various services available for the given date. Selecting seats and inserting a couple of simple information.

Confirming booking details and making the payments. There are mainly two type of user such as

- ⦿ **Users:** Giving information and pay for buy their tickets.
- ⦿ **Admin:** Can create, delete bus company with location and set up the price for every transport.

**4. Proposed Methodology:**

This system is being developed to reduce the critically ticket reservation system. The system is developed through the use of MYSQL as back end and HTML, CSS is used as front end.

**Hardware required:** A laptop, desktop or any device with internet access and Ram:4GB

**Software required:** Windows XP or any version of windows with browsing facility and mysql for database.

**5. Reference(s):**

- 1.Dhage NN, Markande SD. Bluetooth enabled printer adapter using raspberry pi. IEEE transactions; 2015.
- 2.Shingare A, Pendole A, Chaudhari N, Deshpande P, Sonavane S. GPS Supported City Bus Tracking Smart Ticketing System. IEEE transactions; 2015.
- 3.Sankarananrajan S, Hamilton P. Mobile Enabled Bus Tracking and Ticketing System. IEEE transactions; 2014.
- 4.Zhu J, Kim KH, Mohapatra P, Congdon P. An Adaptive Privacy-Preserving Scheme for Location Tracking of a Mobile User. 2013 IEEE International Conference on sensing, Communication and networking; 2013.
- 5.Kumbhar M, Survase M, Mastud P, Salunke A. Real time web based bus tracking system. 2016 IRJET International research journal of engineering and technology; 2016.6.Mezghani. Study on Electronic Ticketing in Public Transport. Available from: <http://www.emta.com/IMG/pdf/EMTA-Ticketing.pdf>