**BUS-PASS MANAGEMENT SYSTEM PROJECT**

Students can buy the bus-pass over the Internet, 24 hours a day throughout the week, this solves the issue of bus-pass being misplaced or stolen. Users can renew their pass every year through online using this system . In addition, the online system lets the students check the availability of the bus-route to their nearby location or to their village before they buy bus a pass. Furthermore, students no need to pay cash to buy bus a pass because they can pay using UPI or Credit Card (eg. Master Card, Visa Card).

Bus pass management system to put it simply, means system can provide pass identification using QR code, Pass renewal, cancellation, updating, Student discount, student profile, transaction etc.

* Unique identification using QR codes on bus pass.
* Using this website we can check all details related Bus pass and instruction like how to renew pass how to update it, and also provide details of student discount.
* This website keeps all information of all Bus passes.
* Student first need to verify themselves the system using various through registration. Once verified the system allows them to book passes for any route online.

**Software Requirements:**

* Windows 10
* SQL 13.0 2016
* Visual studio 2016

**Hardware Components:**

* Hard Disk – 5 GB
* Memory – 1GB RAM

**Advantages:**

* You can find all the bus pass related information online without going to any office.
* This online bus pass software system will help students and student get bus passes online and eliminate the need of standing in queues for passes or collecting a ticket for each journey.
* The payment can be done online via credit or master card or even with an UPI.

**Disadvantages:**

* Verification of the student cannot be done online. They have to first get themselves verified by visiting before using the system.

**Applications:**

This system can be used in any bus transport undertaking services. Using the system can exclude the use of human efforts and saves lot of money and time.

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