

DIGITAL GATE PASS

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Abstract-- Digital gate pass is a project intended to develop a web application to solve the problems of propagating news and information of the forthcoming events. This application also eliminate the problems of traditional managing procedures like dealing with lot of paper works or long queue. Using this application users will be able to acquire informations regarding the forthcoming events, submit requests for event participation, student authentication and it can be implemented for job interviews in industries and so on. Moreover the authentication is performed with help of the quick response code.

Key Words : *Quick response code , Authentication , Web Application.*

I.Introduction :

Email is a common method of communication that possessed by the most of people nowadays, which is the inspiration to create an application that its information can be easily reached anywhere, any time. In addition, it would be difficult to manage all event registration manually, because it will take a long time for a long queue of students to sign their name at the registration table there is a lot of document to handle. Furthermore, people nowadays prefer convenience for their life. In other words, it is harder for users to open the website than click on an application in their systems. This application focuses on solving problems of event registration and management by using QR code, and also providing news, information of events. First of all, users will be able to reserve and manage their event participation via this application, also receive the QR code to participate in each event after reservation. Additionally, this application provides significant information and news of many interesting events from the event provider. In conclusion, this application will help the events providers by using QR code in verification. Moreover, it will provide significant information of each event and project topics to users to be able to reach from anywhere, any time. These are the main features of this application which will improve the event management and registration for event providers and event participants.

II.Related Technology:

A.Web Application:

The web application is a client server computerized process which the client runs in a web browser. That including the user interface and client side logic

B.Php :

PHP is a popular open source scripting language which is suitable for web development. Moreover, PHP is different from JavaScript because the code is executed on the server and the output is sent to the client side which makes the important code unknown. In addition, instead of complicated HTML, the PHP code has special processing commands which allow newcomers to use PHP easily, and also provide advanced features for professionals.

C.MySQL :

MySQL is the most widely-used open source SQL database management system, is developed, distributed, and supported by Oracle Corporation. Database Management System such as MySQL server is needed in order to add, access, and maintain data stored in a database which is a structured collection of data.

D.Bootstrap :

Bootstrap is a open source tool for developing with HTML,CSS, and JS. Quickly prototype to build your entire app with variables and mixins, responsive grid system, extensive prebuilt components, and powerful plugins built on jQuery.

E.Quick Response Code :

QR Code is a type of two-dimensional barcode that can be read via smartphones or QR Code readers, directly links to text, emails, websites, phone numbers and even more. As half of the nowadays population possessing smartphones, QR Codes will have a major impact upon society and especially in advertising, marketing and customer service with just one scan.

III.System Structure :

A.Front End:

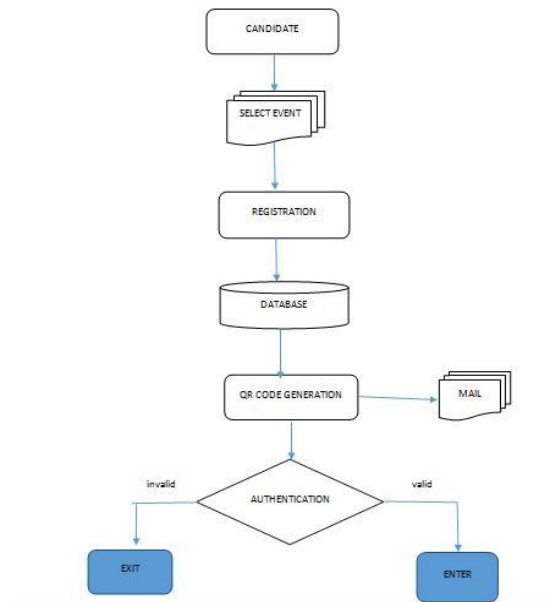
The information-displaying section which queries the data from the remote database and also able to send data to be stored in the database. Moreover, the staff side front-end system will send the participant information to the server to verify their identity.

B.Backend :

The database management part which always interacts with the frontend system. And also it will send the required data to the frontend system whenever the request is sent.

IV.Implementation :

This application is an Web application working simultaneously with database implemented by MySQL Server. This application has two main components which are frontend and backend system.



A.Frontend :

The frontend will display the forthcoming events. Students will be able to view the Events, Event timing, Venue of the events and Register through the Web Application.

B.Backend :

The registration information by the students on Web Application will be stored in the database

More importantly, this application uses Quick Response code to verify the participant's identity and confirm participation with just one scan which will provide more convenience to everyone involved.

V.EVENT MANAGEMENT :

A system which manages information of an event.

Show Event: a system which shows event in the interface.

Add Event: a system which allows administrator to be able to add a new event into the database.

Edit Event: a system which allows administrator to edit event information in the database.

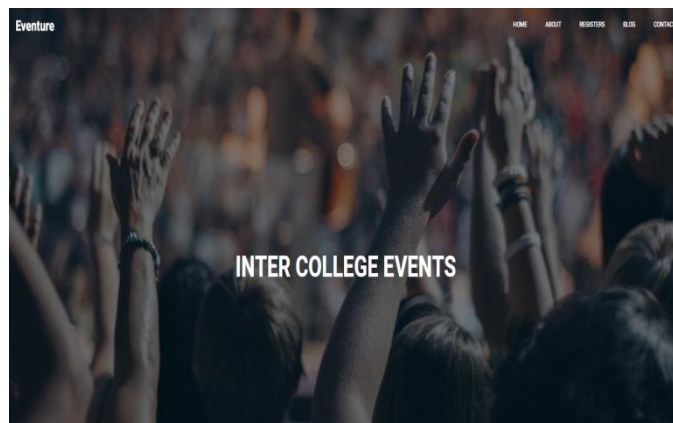
Delete Event: a system which allows administrator to be able to delete event information in the database.

Event Registration: a system which allows member to be able to reserve their seats in the upcoming events.

QR Code Generation: a system which generates a unique QR code for each participant in each event.

QR Code Verification: a system which verifies participant from their QR code.

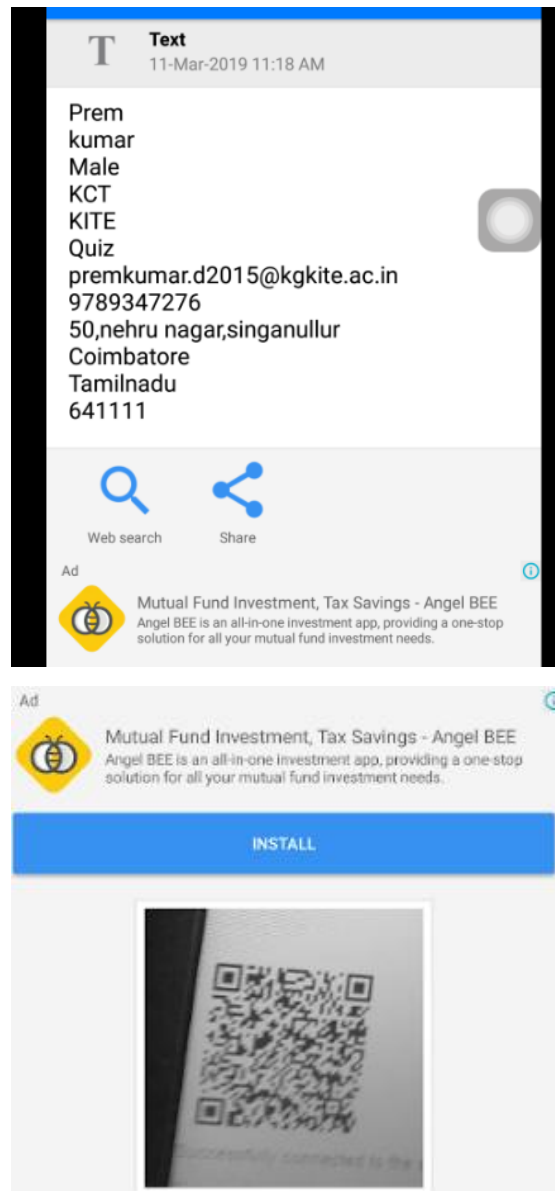
A.USER INTERFACE :



STUDENT REGISTRATION FORM

First Name	<input type="text" value="Prem"/>
Last Name	<input type="text" value="kumar"/>
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female
College name	<input type="text" value="KCT"/>
Event Destination	<input type="text" value="KITE"/>
Events	<input type="text" value="Quiz"/>
E-Mail	<input type="text" value="premkumar.d2015@kgkite.ac.in"/>
Phone	<input type="text" value="9789347276"/>
Address	<input type="text" value="50,nehru nagar,singanullur"/>
City	<input type="text" value="Coimbatore"/>
State	<input type="text" value="Tamilnadu"/>
Pin Code	<input type="text" value="641111"/>
<input type="button" value="Register"/>	

B.QR CODE GENERATION:



VI.Conclusion:

This application will provide details about forthcoming events .In order to be easily reached by user. The application also allocates seating for every individual according to their wish .Quick Response code is used as an authenticator to participate in the events.

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