TICKETLESS ENTRY OF MUSEUM/MONUMENTS

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Abstract:- *With the help of this system we can make the process easy for entry in museum. It will also help in keeping right record of past moving total number of persons in general present at the said placing, managing right useable materials for the persons in general present and putting a stop to wrong, false list of those in a test for the persons in general without tickets, the process of checking tickets can be made the most out of as only persons in general with would be able to move into the in the building and all this would make, become joined up the process of getting place to come and go through. Also providing the option of UPI which will makes the payment easier for customer without getting any problem . To make payements easier we are providing a QR code of matrix barcode which uses 4 modes ie.., numeric binary, kanii, alphanumeric to store the data effectively.*

Key-Words:-*: Monuments, E-Ticket, Museum, UPI, .*

1.Introduction

This project is can be use in the places where high number of people are there like museums, monuments, functions, etc. To make easy for customers to get entry in monument/museum this project is made. This system helps to keep the track of the people at a location and prevent the entry of people who have not E-ticket with them. An e ticket is the electronic ticket which has the different QR Code to the different tickets. That QR Code has all the information about the costumer that where the costumer want to go, how many people are with them, and what they order with there journey. This QR code include matrix barcode which uses 4 modes ie.., numeric binary, kanii, alphanumeric to store the information effectively. This project would be very helpful to process the admission into place and also keeping track of the number of people entering the monument to keep a proper track of the resources needed for helping and it is also helpful to remove the long queues which people hates the most. This application uses Django framework as the backend and it also uses React router, HTML, CSS, bootstrap, Python, and Semantic UI.

2.Problem Foundation

2.1 Objective

- Keep proper track of total number of people present at the said location.
- Manage the proper resources for the people.
- Prevent entries of the people without tickets,
- Only people with e-ticket would be able to enter the premises and all
- This helps to fasten up the process of getting entry.
- Security of customer's data.

2.2 Scope

The scope of the project includes the following:-

- In future it has great scope. It can be used everywhere instead of normal or offline booking system.
- Bringing up this proposal to this system will facilitate easier and more effective ticketing.
- This system would also help to prevent entries of the people without tickets.
- This would also revolutionize the museum visiting experience through a digital interface the current developmental trend is moving towards digitization.
- This system makes the people more comfortable by proving the online booking without standing in any queue and also by providing the resources at monuments/museum.
- There are some application where we can use this system:-
  - Web applications.
  - Mobile phones
  - Ticket counter

3. Literature Review

In today's time, people wants hassle free experience for any work like ticket booking, shopping, purchasing, etc.

This system provides online booking and it generates an E-Ticket which is very easy to use. Because of QR code in ticket it is very easy to access it and check the information about the customers easily. This system also secure and reliable as its also provide protection from threats and it makes information about customers safe.

4. Methodology

- Methodology includes the steps to be followed to achieve the objective of the project during the project development. QR code algorithm will be used to generate the QR code for every Monuments /Museum. For QR code generation it uses Reed Solomon method.
- When customer books the ticket there information is saved in form of QR code which is easily detectable by QR scanning devices very easily and is it secure also.
- That QR code links out to a URL, a PDF, or the other information you uploaded about the Monuments/Museums and also their prices. Image processing is a method to perform some operations on an image, in order to get an enhanced image or to extract some useful information from it. It is a type of signal processing in which input is an image and output may be image or characteristics/features associated with that image.

5. Result Discussions

Based on the research, this system is provide hassle free experience and customer can book there ticket without wasting there time in queue for ticket booking. This also provides the information about how many people are coming in the monument so the customer can see the crowd of the people at the location so they can make better decision that in what timing they can come. Based on research, this system makes easy for employee who are working in monument/museum to handle the crowd.

6. Conclusion

- It is useful to get easy entry to monuments/museums by skipping the ticket buying and standing in the long queue process altogether.

- It is used for easy tracking and managing of people and resources at the said monuments/museums. In future modifications this project can be further modified to directly see upcoming events and auctions at the said museums as well as monuments.
- The data can be used to collect the high time for the monuments/museums as well as gathering general feedback from people about the places and how the experience can be improved.

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