Daman Municipal Council

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Abstract: - In day to day life municipal council services are provided by visiting the offices physically or through visiting their websites to some extent. Various facilities such as Complaint registration, Renting place, New updates etc. are provided using mobile application.

Use of mobile applications for various purposes is growing rapidly. People now refer to use mobile application to get their work done rather then waiting for hours in Municipal Council office. Hence there is a need to develop a mobile application which will help to provide Municipal Council services. This mobile application will come up with more facilities which will be more convenient and time saving, cost efficient for the citizen.

Keywords: - GPS- Global Positioning System, HCI- Human Computer Interaction, TID - Transaction ID.

I. INTRODUCTION

People visit to a municipal council offices or visit their websites to access their services. Use of mobile has increased drastically. 91% of world population owns mobile phone, out of which 56% owns a smart phone. Mobile is the primary internet source for the 50% of the mobile users. It is also observed that user spent 80% of time inside applications.

This application resembles municipal council services. Various services are provided through this application. User can access these services from anywhere & anytime through mobile.

Observing the above stats, user prefers mobile applications to access essential day to day services. There are numerous municipal council services which are used by the citizens frequently, thus accessing this services through applications will be boon to a mankind.

A. Camera

Using camera for capturing the problem is a good alternative solution for describing the issues to be solved. A high resolution picture gives a marvelous look and appealingly describes the problem to whomever concern authorities.

B. Global Positioning System

Using GPS for locating the current location of the place, where problem is to be solved provides good replacement from typing address of location and also gives an clear-cut address which saves time of authorities of finding location.

II. RELATED WORK

Most astronomically immense council in Gujarat are in these 8 cities of India viz. Ahmedabad, Rajkot, Surat, Vadodara, Jamnagar, Bhavnagar, Junagadh, Gandhinagar.

Today municipal council services are provided in council offices. Therefore there is much need of a common man to visit council offices physically. It is not feasible for every person to visit council offices every time. There is another option provided by some municipal council i.e. websites. People can access any services online through this websites, but most of the time this sites are not available or dead. Most researchers in human computer interaction take interest in developing incipient hardware contrivances, prototyping incipient software system and exploring incipient paradigm for interaction. Design in human computer interaction aim to engender utilize interfaces which can be operated within facileness and efficiency.

III. PROBLEM DEFINITION

Many problems exist when there is no appropriate information available to people by authorities. Having no digital platform is biggest flaw. One of the problem that arise is people are not well informed about the government updates which are concerned with new services to people. In today’s world maximum people are using smart phone, so having an application to handle the processing is a best way to deal with this problem. we are making an android application to resolve flaws from existing routine. We have added features like

1. Camera – which snaps the problem in affected area
2. GPS – which sends location of current place to locate area.
3. **Registration** – which enrolls new pension holder and fresher’s

After successful launch of DMC application people will be relaxed from standing in long queues, they will be easily able to pay their house rent bills, check new updates, register themselves, complain to authorities etc.

### IV. COMPARISON WITH SIMILAR APPLICATIONS

**(A) With Rajkot Municipal Corporation**

<table>
<thead>
<tr>
<th>Availability of camera for complaints.</th>
<th>Camera service is not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>User can send his/her current location.</td>
<td>Location service is not available.</td>
</tr>
<tr>
<td>A new fresher can enroll himself/herself for taking any business/construction service.</td>
<td>There is no such service available.</td>
</tr>
<tr>
<td>Old people can register themselves for pension service.</td>
<td>Pension service is not available.</td>
</tr>
<tr>
<td>Detail information of places with location &amp; pictures available for users.</td>
<td>No detail information is available.</td>
</tr>
<tr>
<td>New updates released by Daman Municipal Council will be available in the application.</td>
<td>Does not show new update.</td>
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### V. BENEFITS

An application offers many services. Some of the services are listed as follows:-

- New Updates
- Rent
- Complaint & Feedback
- Property Tax
- Pension Registration
- Registration as a?

### REFERENCES


