School/ Hostel Locator System (Web Application/Website)

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Abstract—The purpose of this project ‘School/Hostel Locator’ is to create a website to provide all the details of tribal schools and hostels at one place through our website in order to reduce extra efforts and is used to search such schools/hostels by students and their parents. Many parents are unaware of the School and Hostel schemes launched by Govt. Due to the lack of information of such schools/hostels they end up admitting their children by paying extra money in available schools. That’s why a proper system should be made for them which provides them all the information about these schools and hostels such as their addresses and location, their contact number and seats availability etc. at one place.

Our project serves the same purpose, which basically helps such parents locate tribal schools and hostels in any particular area based on their choice of location.

I. INTRODUCTION

Our project is basically made to help students and parents locate tribal schools and hostels in specific areas based on their choice of location. This system consists of a list of schools and hostels registered in the server memory along with their contact information and addresses marked on customized Google map embedded in website using Maps JavaScript API. The School’s or hostel’s location can be discovered on Google map embedded in website by entering the area in a search box, which shows the location of schools or hostels along with their details and directions to get there.

This project consists of two modules – Admin and User. It consists of an admin login that allows the admin to add, remove or edit details of these schools and hostels in the system. The system allows user to select a location and according to the location entered by the user the system allows user to select a type of places (School or hostel) and provides respective information.

II. REVIEW OF LITERATURE

India has the World’s largest Tribal population and it is also the most economically underprivileged in our country. One of the first steps to developing any community is education. According to official reports, Government has brought out various schemes with the objective of enhancing access to education in tribal areas by building schools and hostels for students. Despite of such schemes initiated for tribal students, there is no single platform in India that provides all the information about schools and hostels at one place. There are some systems available such as – School Locator System, School Locator, etc., but these systems are not available in India.
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<th>S No.</th>
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| 1     | School Locator               | It's a configuration of Web AppBuilder for ArcGIS that is used to locate schools (elementary and secondary), view school districts and attendance zone boundaries. School Locator can be deployed by Government agencies and school districts to inform existing home owners and prospective home buyers when making a real estate decision.  
Weburl: http://arcgis.maps.arcgis.com/apps/webappviewer/index.html?id=c41429bd4345495a9bc8895e3a0fe946 |
| 2     | School Locator System        | It is used to find the schools associated with your home address. This system is based on information for the current year. Additional research with the Dallas Central Appraisal District or the District Tax Office is necessary to determine eligibility for enrollment when the district boundary intersects the geography of an address.  
Weburl: http://schoolfinder.risd.org/search.cfm |
| 3     | SchoolSite Locator           | It is a school locator web application that allows searching a school by entering an address in the search box at the top to find your school of attendance. In this system, even if the specific address is not known or if it cannot be found, one can just click anywhere on the map to find the schools for that neighbourhood.  
Weburl: https://apps.schoolsitelocator.com |
| 4     | School Locator App           | This innovative school finder mobile solution is developed by Rishabh Software that provides location specific information about schools. It provides all the school’s details in the neighbourhood with its ratings, demographics, and overall quality of the education.  
Weburl: https://www.rishabhsoft.com/blog/school-locator-app-location-based-mobile-solution |
| 5     | Search for Public Schools    | It is a web application that helps finding the school by entering the details of the schools such as School’s name, Address, zip code, city and state etc. In this system if users have difficulty finding their school they can try entering only city, state and/or a key word in the name.  
Weburl: https://nces.ed.gov/cc/schoolsearch/ |
III. PROBLEM STATEMENT

MoTA promotes tribal education through multiple interventions viz. Eklavya Model Residential Schools (EMRSs), Ashram schools and hostels for boys and girls across India. There are so many parents who have little idea about this type of school’s location. Hostels, number of seats available and their contact number etc., and hence not clear about where to get their children enrolled.

“School/Hostel Locator”, this system monitors the Hostel/School management online by keeping the rectors of Hostels and Schools, rectors with updating of seats whether available or not.

A. IDEAL:

Key objectives of the School/Hostel Locator are:

The development of such platform which is easier to use by parents and doesn’t require much to be taught to use the platform so that they can be easily provided with desired information about schools and hostels nearby the location entered. The project should contain proper system of showing exact location of the schools and hostels in the area entered on Google map with proper directions from either a central location or user/device’s location.

B. REALITY:

There are many applications for School/hostel locator system in which there are many issues which can be updated. Say for one the users usually are not able to get the live location of schools and hostels. Also, we have problem on feedback as to know whether the issues which are sorted are useful or not or any other practical issues arrive or not. Also, the best should be done that no updates get missed by any users and well in advance they are updated with new features in the website. As things are manual so they need to give timely attention and implemented as per time.

IV. CONCLUSION

The project is designed in such a way that future modifications can be done easily. The following conclusions can be deduced from the development of the project.

Through our project we wish to make it easy for students and parents to find tribal schools and hostels in their neighbourhood and get directions.

This will help them get proper information about location of schools, hostels, seats availability in hostels and schools and their contact information.

It provides a user friendly Graphical User Interface which proves to be better and much interactive. It gives appropriate access to the authorized users depending on their permissions.

Updating of information becomes so easier. System security, data security and reliability are the striking features. The system has adequate scope for modification in future if it necessary.

Our project provides information and location of schools and hostels at one single platform. We have solved and justified our solution for the problem statement to a great extent.

Snapshot of Project: -

Fig 1. Home Page

Fig 2. Login Page
Fig 3. Get Direction Page

Fig 4. Get Direction Page

Fig 5. Admin Dashboard Page

REFERENCES


