

Android Application for Reduction in Corruption and Monitoring of Tribal Schools by Effective Analysis

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ABSTRACT: The study focuses the ways of improving the monitoring of tribal schools. Generally, these schools are situated in far- flung areas with weak network infrastructure, which makes its accessibility and monitoring tedious and ineffective. With the use of an android application having features namely camera, the global positioning system (GPS), real-time facility, the analysis of funds utilized in these schools, provided under various schemes and their monitoring can be enhanced. The data of every tribal schools sent by inspection officers will be stored in a database which can be used for analysis of various scenarios of schools in form of statistics and graphs. From here, the concerned authority can keep an eye and regulate the expenditure of funds giving more emphasis on areas with poorly spent funds. The effectiveness of this application can further be increased by keeping the resource (internet, storage) consumption of this application to the minimum yet satisfactory level.

KEYWORDS: Analysis, Android, Application, GPS, Internet, Statistics, Storage, Network Infrastructure, Resource.

I. INTRODUCTION

This Project is being developed for motive of tribal school management and performance enhancement by monitoring the various aspects of schools digitally. No matter how much fund is allocated for the tribal education enhancement, the scenario will not change considerably in the lack of good monitoring system. The above listed big unspent figures and rightful contenders not getting benefits clearly advocates the need of effective implementation and monitoring system. Also the tribal schools are there in remote areas which lead to its inspection tough so by having multimedia sharing facility combined with gps facility a concerned authority can get the real and impartial reports. This project also aims to contribute towards other initiative like clean India as it will help to keep an eye on sanitation and hygiene in the various parts of school. Also schemes like provision of mid-day meal in government schools can be monitored by keeping a check on quality and quantity on the food items provided under this scheme. This application will facilitate easy platform in the form of various pages to

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II. LITERATURE SURVEY

According to new study that reflects insight into India's public school education crisis between 2011 and 2016 student enrolment in government schools across 20 Indian states reduced by 1 crore 30 lakhs, while private schools added 1 crore 75 lakhs new students. Even spending the sum of Rs 1.16 lakh crore on Sarva Shiksha Abhiyan which is national programme for Universal elementary education, the quality of learning declined between 2009 and 2014 as per the report of IndiaSpend in March 2016. When compared with the literacy rates of the general population which is 29.34%, literacy rate of tribal peoples in India is roughly 6%. The Union and the state, both governments have spent significant amounts of money for tribal youth's education, but the results are unsatisfactory due to lack of effective implementation and monitoring. As per the IndiaSpend's investigations which occurred through a series of right to information (RTI) requests, it came to light that in the span of last 35 years, Rs 2.8 lakh crore was allocated for scheduled castes (SCs) and scheduled tribes (STs) for provisions like mid-day meals, scholarships and crop insurance was simply not spent. Also many rightful contenders did not get the announced benefits.

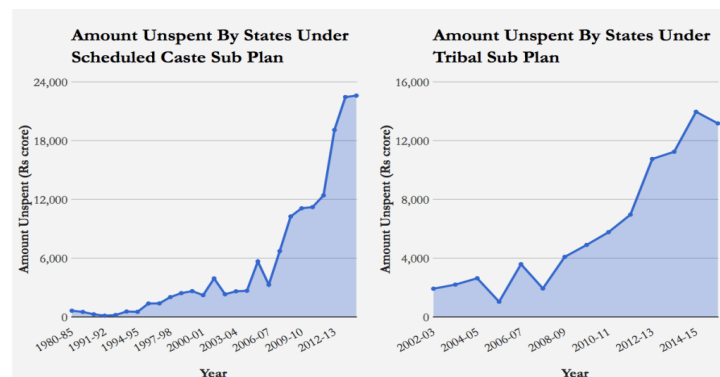


Fig 1: Year wise amount unspent by states under scheduled caste and tribal sub plan

Maharashtra state is among the states with highest unspent funds allocated for tribal people so our project will help to improve this scenario by providing a good inspection and monitoring mechanism for tribal schools.

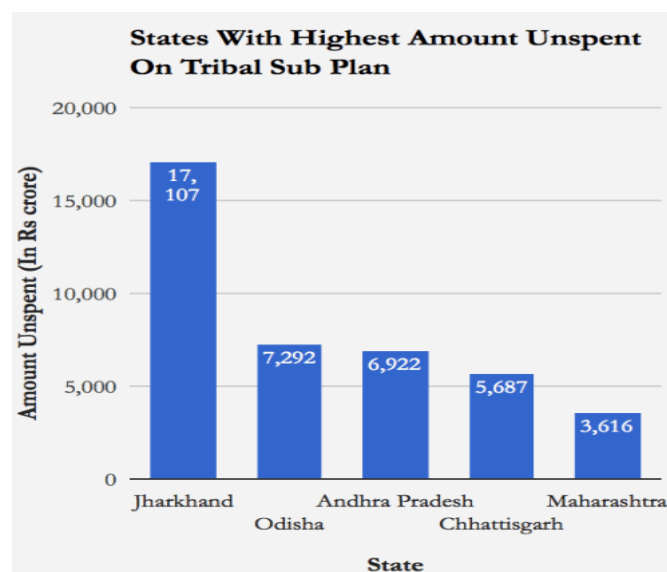


Fig 2: States with highest amount unspent on tribal sub plan

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III. MODULES

Project consists of following modules:-

- Login Page
- School Selection Page
- Operation Page
- Feedback Page

Login page

This page will facilitate the Inspection officer to login to the app. A set of username and password will be required for successful login to the app.

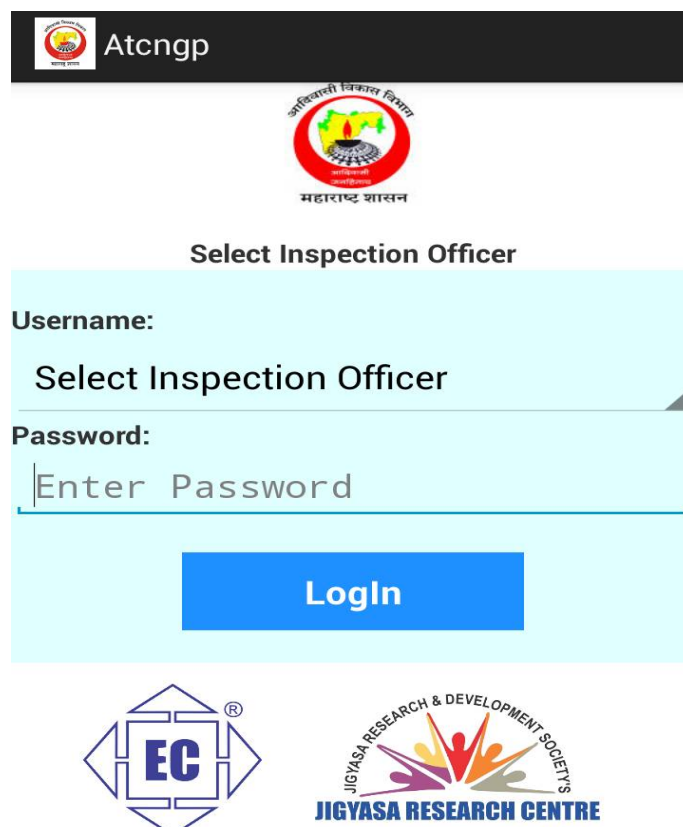


Fig 3: Screenshot of login page

School Selection Page

This page will facilitate to select the schools out of the listed schools. There will be listing of all schools coming under various regions. From this list, the Inspection officer will select the school which he/she will inspect.

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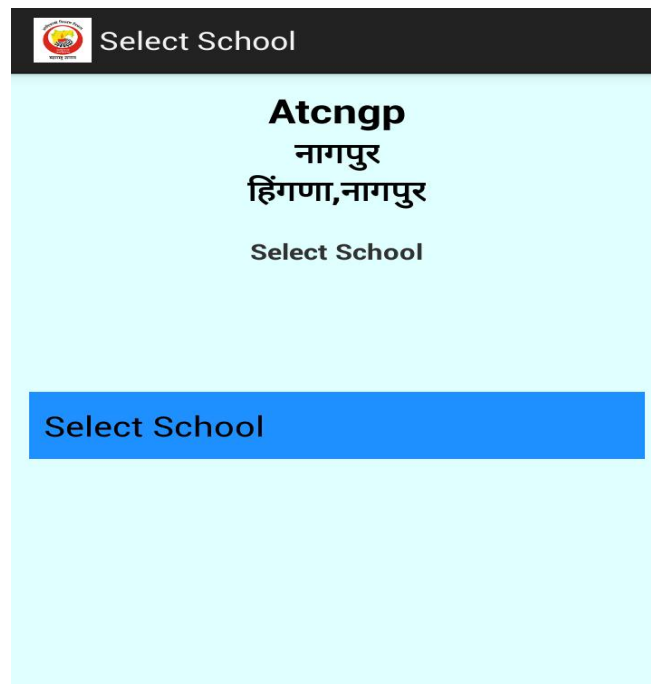


Fig 4: Screenshot of school selection page

Operation Page

In this page, various possible concerns are already listed in form of buttons. The Inspection officer has to only click the corresponding button for which they want to send the feedback.

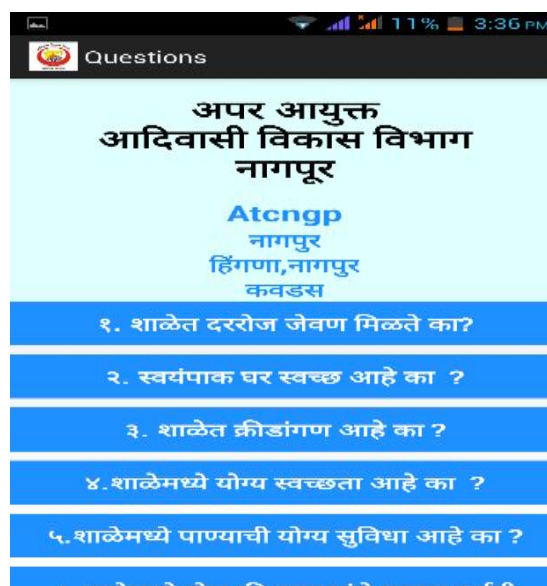


Fig 5: Screenshot of operation page

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Feedback Page

This page can be used to send the feedback in form of rating, comment, and pic as well.

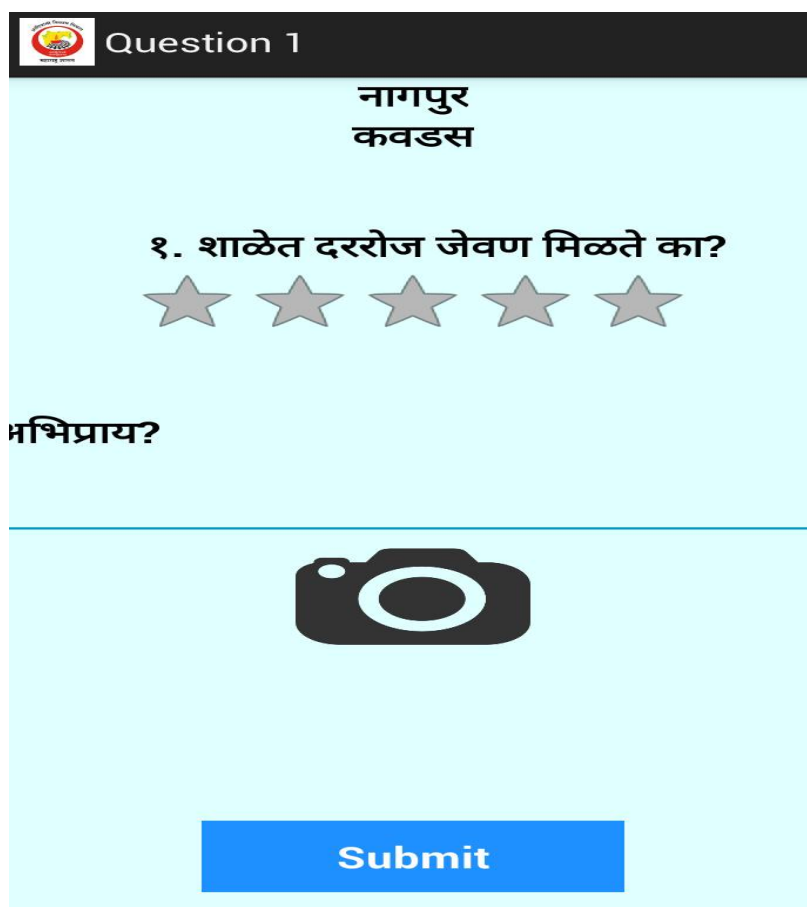


Fig 5: Screenshot of Feedback page

IV. CONCLUSION

Thus, this application will help in improving the scenario of tribal schools by providing facilities to monitor these and by facilitating analysis of various aspects of schools from the data stored in database in the form of graphs, pie charts etcetera. This will also help in reducing corruption in tribal schools as it will rely upon the impartial and unaltered data stored at real time in the database.

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