Tribal Welfare Using React Native

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Abstract- *Tribal welfare using react native is about developing a mobile application for tribe peoples to seek their welfares and schemes provided by the government. Briefly, the mobile application contains welfare schemes, guidelines, pieces of information about Ministry officials, a basic overview of funds released, grievances, number of beneficiaries provided, circulars, etc. Additionally, the application includes a link to the ministry's official site, which provides information on frequent ministry activities. Users can get information regarding the requirements and procedures to proceed with the scheme to which they want to apply. In the information cards, users will be directed to an official site for live information updates about the ministry's welfare programs, such as how many people have used the program, how many people have been assisted by the program, etc. Guidelines regarding the eligibility of entitlements, benefits, and procedures to avail them from the various schemes of the ministry will be displayed to the user. Each of this mentioned information will be shown on a separate screen in the mobile application. This application is enclosed with information and reports, circulars, orders for every scheme. The user will be directed to a site containing detailed information about the scheme on a link provided.*

I. INTRODUCTION

The tribes make up 8.6% of India's overall population. 10.3% of those reside in an urban area, while 89.9% do not. The tribes advancing themselves by adopting technologies like Smartphones and usage of Dish TV which creates an impact on changing lifestyles and empowering the tribe community. The literacy of tribes is improved and the tribes embrace the adaption of technologies. There are several schemes and welfare is delivered through the Ministry of Tribal Affairs. The ministry anticipates the tribes need to know about the schemes and welfare which is allocated for them.This project is about creating a mobile application for the tribes. The mobile application will have information about the ministry, schemes, welfare, etc. Briefly, the mobile application is to provide information about the schemes and welfare given by the Ministry of Tribal Affairs. This app contains information about the ministry and displays all the welfare schemes to the users. For example schemes like Scholarships, Livelihood schemes, more and more are given

clearly. Users can get requirements and procedures to proceed with the scheme to which they want to apply.Users can learn more about their own eligibility for benefits and rights under the ministry's numerous programmes, as well as how to apply for them. The users are provided with a direct link to the ministry's numerous web portals, where they can submit an application for the necessary programme. The project's overview aids the tribal members in gaining understanding of technology matters and enables them to move forward with their plan. Additionally, it informs users about impending occasions and ministry. The younger generation is gradually modernising the tribe way of life.The mobile application will be created using a Software package named React Native.The application contains screens like scheme screen, home screen, info screen, etc. Each screen has a clear explanation of itself. Each screen has a clean UI containing information about specified modules. Application is built using React Native, an open- source UI software framework. React Native is a JavaScript platform, user can build apps through JavaScript code. The components of native development are combined with React, a JavaScript toolkit for creating user interfaces, in React Native. Expo is a different piece of software that is used to test the code that we produced. Expo is a platform and framework for all types of React apps. You can create, build, deploy, and iterate quickly on IOS, Android, and web apps using the same JavaScript/Type Script codebase thanks to a set of tools and services developed around React Native and native platforms. Using Expo, you may quickly test your code after developing it. Expo allows us to test our application live right away without publishing or uploading.
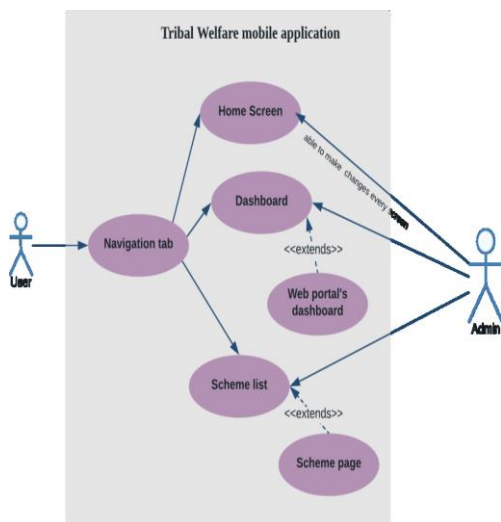
II. LITERATURE REVIEW

The development of solutions to bring governmental services for social development to the doorstep of tribal people is made easier by the use of information and communication technologies. On the other hand, prior ICT paper research indicates that tribe members are preparing themselves based on studies for their own personal advancement in information technology and smartphone usage. This application is expected to be more successful if it contains details about welfare programmes offered by the Tribal Affairs Ministry as opposed to other applications, like tribal diaries, which have previously provided some success stories and reports. No one

from the ministry of tribal affairs, including MP VanMitra, clarifies the services offered to locals and tribal members; they merely act as regulation advisors. As a result, there are just a few websites and applications designed to help tribal members, and they lack comprehensive information about tribal welfare programmes. This paper has led to the creation of a mobile application that displays welfare plans for tribes with an emphasis on creating a specific approach.

III. METHODOLOGY

This project is built using the functional design approach, which makes it easier to grasp the design by outlining the project's flow, use cases, and implementation more in the manner of a modular approach. For instance, this project has various modules, each with its own functionality and additional supporting functionalities/modules. The modules are all planned, put into practise, and integrated to create a flawlessly functional application. The design ought to be straightforward and adaptive. Data requirements are used to specify the collection of data that is involved in any project. The primary data for this project is needed from the government website. MoTA, the Ministry of Tribal Affairs. All those data and information regarding the welfare schemes are available. The website also contains portals for which we can give a direct link. Without this information, the application cannot be completed.

IV. USECASE DIAGRAM

V. CONCLUSION

The mobile application Tribal Welfare helps tribes to gain knowledge on schemes and activities done by the ministry. This application focus on not only helping tribes but also let know about schemes and welfare for the people living

in urban and rural areas. This essay is based on a research of the effects of several national-level ICT projects carried out in India for the growth of rural populations. Despite the roadblock caused by computer ignorance and a lack of e-readiness. The software will work smoothly and give accurate information about welfare.

Even though many tribal areas are grooming themselves for the technological world, there are still some settlement areas that are not connected remotely we can pave the way for technological impact for the tribes to gain knowledge on their welfare schemes. For this project, initially, we haven't created any kind of login or registration in the future we can update the system by adding login through their contact. Another kind of update is like adding SMS which is like for example if the government establishes a new scheme, the user can able to know new announcements using notification displaying the information. If in case, if the rural area gets updated for technological development the above-mentioned thoughts of the update will be more effective.
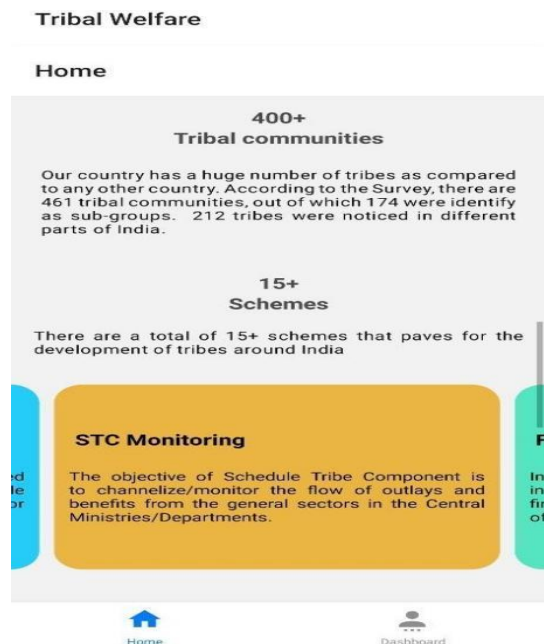
VI. SCREENSHOTS

Figure 1: Home screen of Tribal Welfare Application

Figure 4 : Dashboard Screen

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