## PRO FORMA FOR THE APPROVAL OF THE THIRD SEMESTER MINI PROJECT

*(Note: All entries of the pro forma for approval should be filled up with appropriate and complete information.   Incomplete Pro forma of approval in any respect will be rejected.)*

Mini Project Proposal No  : _____
*(Filled by the Department)*

Academic Year        : ___2021-2022_____

Year of Admission    : ___2020_____

1. Title of the Project    : TRIBAL HOMING AND BELONGING_____

2. Name of the Guide    :      Ms. Priya J D_____

3. Number of the Student:              MES20MCA-2044

4. Student Details  (in BLOCK LETTERS)

| | Name | Roll Number | Signature |
|---|---|---|---|
| 1 | SARATH P | 45 | |

Date:  01/12/2021

**Approval Status :**    Approved / Not Approved

Signature of
Committee Members

**Comments of The Mini Project Guide**                                    Dated Signature

Initial Submission      :

_____

First Review             :

_____

Second Review          :

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**Comments of The Project Coordinator**                                Dated Signature

Initial Submission:

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First Review

_____

Second Review

_____

Final Comments :

Dated Signature of HOD

# TRIBAL HOMING AND BELONGING

## SARATH P

## Introduction & Objectives:

The tribes constitute a sizeable proportion (8.8%) of the total population of India. They are the citizens of India and hence promotion of their welfare is of equal importance. Majority of the tribes depend on land and forest to make a living. Their social life is also interwoven around the land they live on. They have thus a physical and emotional attachment and dependence on land and forest. Governments have undertaken various steps in this regard, but also various voluntary organizations have evinced interest in this task. They have been trying to elevate the tribes from the state of ignorance, illiteracy and poverty. The Welfare programs have not been effective due to "inadequacies in the administrative machinery, lack of sensitive, trained management, lack of general preparedness for large investments, deficiency in accounting systems, procedural delays and lack of proper monitoring and evaluation. The tribes inhabiting the forest villages do not get the benefit of various welfare schemes, due to no availability of title of land in their favor, and also because, in many cases, the jurisdiction of the block and revenue authorities does not cover forest villages.

We try to develop a new application to supplement the tribal needs. This application tries to develop a system which helps in effective distribution of the food and Medical aids to the tribes. Even though the governments provide many such welfare program, using this application other unaided organizations or individuals interested in helping tribes also get an opportunity to show their part. In corporation with the governmental and non-governmental welfare programs we try to implement an efficient welfare system for the tribes, in which our major concern is to supply them with proper care and importance. To ensure that all the tribal families are receiving what they deserve, we implement a QR code scanning section of their corresponding Identity card for each family. In this app data mining concept is used to mine the requirements of the tribes. That is coordinator can upload report based on tribe's problems and needs. So by using data mining officers can find what are the common needs and problems of tribes. Based on this they can take proper actions. And this project also implements online shopping system where tribal can sell their handmade product to public

## Problem Definition:

### Existing System:

There is no existing software for the tribes to improve their life style and solve their problms. They are very much away from our society and also, they are not aware about the facilities, rights etc. that is available to them. Now it very difficult to get good health care, education, food etc. to them. And they lived in very poor condition. According to the 1991 Census, nearly 70 per cent of the tribal are illiterates. Although it cannot be denied that education can act as the instrument for betterment of the tribal ensuring greater participation for them in the development process, still there are certain factors which inhibit the tribal from taking to education.Because of economic backwardness and insecure livelihood, the tribal face health problems, such as prevalence of disease, like malaria, cholera, tuberculosis, and jaundice, problems associated with malnutrition like iron deficiency and anemia, high infant mortality rates, low levels of life expectancy, etc.

**Proposed System:**

The proposed application is designed to uplift the life of tribes. It mainly concentrated to improve the health condition of tribes, providing proper food for them and improve their literacy. The application notifies the different packages and schemes that are provided by the government. This application provides an environment to them for marketing their products. Public can view all the notification related to their products so that public can purchase. Through this application we can improve their education, employment and empowerment. And also we using data mining concept for mine the reports about tribe. We can sort the common problems and needs of tribe. And using this officers can take proper action to solve the issues.

**Basic functionalities:**

**Data mining**

Data mining is a process of extracting and discovering patterns in large data sets involving methods at the intersection of machine learning, statistics, and database systems.Data mining is an interdisciplinary subfield of computer science and statistics with an overall goal to extract information (with intelligent methods) from a data set and transform the information into a comprehensible structure for further use. Data mining is the analysis step of the "knowledge discovery in databases" process, or KDD. Aside from the raw analysis step, it also involves database and data management aspects, data pre-processing, model and inference considerations, interestingness metrics, complexity considerations, post-processing of discovered structures, visualization, and online updating.

The term "data mining" is a misnomer, because the goal is the extraction of patterns and knowledge from large amounts of data, not the extraction (*mining*) of data itself. It also is a buzzword and is frequently applied to any form of large-scale data or information processing (collection, extraction, warehousing, analysis, and statistics) as well as any application of computer decision support system, including artificial intelligence (e.g., machine learning) and business intelligence.

**User Modules**

We implement this welfare Application with the help of 3 modules basically. They are:

- District officer
- Councilor
- Coordinators

1.DISTRICT OFFICERS

- Manage Councilors

  - Add Councilor

  - View Councilor

  - Edit / Delete Councilor

- Allotted package

- View forwarded report from council and take necessary action

- View mined result (for district)

- View service information

## 2.COUNCILLOR

Councilors login to site with their security password and register the coordinator. And manage all tribes with their information.

- Manage Coordinators
  - Add Coordinator
  - View Coordinators
  - Edit / Delete Coordinators
- View Tribes
- View reports from coordinators and forward to district officer
- View request entry from coordinator and take necessary action
- Service allocation to tribes

## 3.CORDINATORS

Coordinators add tribal families to the software and also report their problems. Coordinators have direct interaction with tribes and they supply necessary foods and medicines.

- Login
- View profile
- Add Tribal families
  - Add/Edit Basic Information
  - Add Family members information
  - Search and view tribe details
- Report tribal related problems
- Supply the Food/Medical aids
- Request entry for service.

## HARDWARE AND SOFTWARE  REQUIREMENT

This specifies the hardware and the support software required to carry out the development.

**Hardware Requirements**

The selection of hardware is very important in the existence and proper working of any software. Then selection hardware, the size and capacity requirements are also important.

- Processor : 64 bit

- RAM : Min 3 GB

- Hard Disk : 10 GB

## Software Requirements

One of the most difficult task is selecting software for the system, once the system requirements is found out then we have to determine whether a particular software package fits for those system requirements. The application requirement:

- OPERATING SYSTEM: WINDOWS 10
- FRONT END: HTML, CSS, JAVASCRIPT
- BACK END: Mysql
- IDE: JetbrainsPycharm, Android studio
- TECHNOLOGY USED: PYTHON,JAVA
- FRAME WORK USED: Flask