**epicene**

**abstact**

**E**picene is an android web application which mainly enhances communication among transgender and others people. Harassments faced by this category can be easily reported with this app. They can also know about the different education institutions and jobs prefers to them. The government rights, policies for the trans genders can also be notified with this app. If the persons are traveling at nighttime alone there occurs many issues, for solving these there comes night patrol polices. The night patrol police personnel will patrol on KSRTC and private stage carriers and will be present at bus stops, schools, colleges and any other places. So that using the app while user pressing the volume key button 3 times the app automatically sends an alert to user’s emergency contacts and also to the nearest patrol polices. If a user initiates SOS alert from the app, their location information and audio/video is directly transmitted to the control room, allowing the police to reach the user easily. The Patrol car of police have been equipped with GPS tracking devices as well as cameras installed on the front and rear sides of the vehicles. The camera sends continuous visuals to the control room. An officer from control room can inspect these visuals in real time and deploy additional forces to various areas whenever necessary. The dangerous spot can be divided into three, red zone yellow zone and green zone. Trans genders can get an alert about these different zones. Using the app any user can spot out the different areas as zone. By using data mining technique, the system will automatically classify the zones. If the user faces any medical issues, with our app they can easily communicate with the medical officers. They can also get the counselling and medication details.

**OBJECTIVE AND SCOPE**

The main objective is to improve competence in care of the transgender and gender diverse individual. Ensure understanding of the medical and mental health needs of the transgender individual. Orient to available resources for ensuring best practices are applied in this realm.

The main objective of this app is to ensure the communication between transgenders and society so that they can live a normal life. They all are not well known about the different opportunities that available in our society. This app notifies different educational opportunities and job vacancies. This app collects their metal and medical health needs and provide mental and medical support. Through this app we can provide legal support needed for accessing transgender rights. Emergency alarm is provided in this app. So that they can ask help by pressing alarm and immediately which is alert the emergency contacts and the nearest patrol polices

**Modules**

* TRANSGENDER COMMUNITY CO-ORDINATOR(ADMIN)
* MEDICAL OFFICER
* LEGAL ASSISTANT
* LOCAL COORDINATOR
* TRANSGENDER USERS

**Module description**

1.Transgender community co-ordinator(admin)

* Approve local coordinator
* APPROVE TRANS USER
* Add&manage medical officers
* Add&manage legal assistance
* add&manage educational support
* manage jobs
* change password

2. Medical OFFICER

Medical and fitness module provide health tips and counselling options.

* add&manage Healthtip
* add&manage counselling
* change password

3.LEGAL ASSISTANT

This module provides legal advices to access transgender rights. To achieve this, they conduct different meeting and appointments.

* add&manage meeting notification
* add appointments
* add&manage human rights
* change password

4.local coordinator

They organize the users. They accomplish the registration process.

* user registration
* add&manage awareness program
* view events
* change password

5.transegender user

They access all the features provided by the app such as social network, health info, legal help, education support, job support, emergency support etc.

* change password
* user chat
* add&manage events
* view jobs
* view doctors
* view health tips
* view counselling programs
* view legal assistant
* view meeting programs
* view educational support
* request appointment
* view human rights

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**existing system**

There is no existing app for transgenders. The gender known better as transgender have existed in every culture, race, class and religion since the inception of human life has been recorded and analyzed. The transgender are individuals of any age or sex whose personality, appearance, attitude, behavior or personal characteristics differ from stereotypes. They are also part and parcel of social order and have equal right in everything and in every resource that is available to all over the world. They face many problems in our society. There is no existing app for transgenders.

**PROPOSED SYSTEM**

Transgender community in India is an important part of society. Even, law can’t deny their existence. We live in 21st century where human rights are assured and preserved for human beings except the third gender i.e., Transgender. Despite all constitutional guarantees, the transgenders are even denied to have their basic rights like right to dignity, personal liberty, education, freedom of expression etc. The project deals with the problems, transgender face in a developing country like India. Epicine is an android web application that helps to transgenders to keep contact with society. Problems faced by this category can be easily reported with this app. They can know educational institutions and job offers for them through this app. They can initiate emergency alert if there have any problem through this app. If the user initiates an alert using this app, them their live location and audio/video directly transmitted to the authority and they can easily reach the place.

**HARDWARE AND SOFTWARE REQUIREMENTS:**

* Software Requirements:
* Operating system : Windows 7 or above, Android
* Technology Used : Python
* IDE : PyCharm , Eclipse/Android Studio
* Framework : Flask
* Database : MySQL
* Hardware Requirements:
* Processor : 64 bit
* RAM : Min 3 GB
* Hard Disk : 10 GB