Abstract

Today's smartphones can unlock the full potential of crowd sourcing and take eParticipation to a new level. Users can transparently contribute to complex and novel problem solving solutions. Engagement of citizens is still challenging but the proliferation of smartphones with geolocation has made it easier than before. The paper introduces the environmental project and associated mobile app called CROWDPATROL. The project is
primarily intended to report illegal waste dump sites in the district of Pune, Maharashtra. The idea is to use the potential awareness of the broader public about the environmental and economic drawbacks of illegal landfills. The smartphones/tablets GIS (geographic information system) reporting application CROWDPATROL has been developed. The mobile app "CROWDPATROL" enables users to report illegal dump sites, potholes and various other civic issues. The project CROWDPATROL is intended for all the citizen who would like to be actively involved in reporting, mapping and tracking of illegal dump sites in their cities or villages originating mainly because of bad attitude and behaviour of irresponsible people and/or businessmen. The objective of this project is to contribute to solving problem of environmental pollution by illegal dumps in Pune and contribute to "SWACH BHARAT ABHIYAN."

References

- Google Maps API intro http://developers.google.com/maps/documentation/android-api/intro
- J. Prasanna Kumar "Inferring Location from Geotagged Photos" - IJARCSSE, ISSN: 2277 128X - Vol 4, 9 Sept. 2014.
- https://medium.com/hacking-and-gonzo/how-reddit-ranking-algorithms-work-ef111e33d0d9

Index Terms

Computer Science

Information Sciences

Keywords

Crowdpatrol  Crowd Patrol  Swatchh Pune