

# **Project Plan: (Make A Difference)**

Written by: (Transformers)

(Anurag Mishra, Aravind Ashok, Satyendra Kumar, Naveen Tella)

## **1 Introduction**

This document lays out a project plan for the development of Make A Difference open source repository system by the Transformers project team. The Transformers team consists of four SE students at the Indian Institute of Information Technology, Chittoor.

The intended readers of this document are current and future developers working on Make A Difference and the sponsors of the project. The plan will include, but is not restricted to, a summary of the system functionality, the scope of the project from the perspective of the OpenXYZ team, scheduling and delivery estimates, project risks and how those risks will be mitigated, the process by which the OpenXYZ team will develop the project, and metrics and measurements that will be recorded throughout the project.

## **2 Overview**

A lot of social issues are continuously being ignored either because the people do not bring it up or because the authorities are not well-informed about the magnitude of the problem. Our application aims to bridge the gap between the citizens and the Government in order for the former's problems to surface and help the Govt. in better administration. Users of the application can post any problem that they face/see on the application. Other users can then vote on the problem if they feel it needs to be solved. If a problem has a relatively large number of votes, it will be brought to the notice of the concerned authorities. The application aims to focus issues at a local level, say, for instance, in a constituency.

### **2.1 Customers**

Every citizen of India is an end user of this application. The government authorities and, perhaps at a later stage, NGOs and other such organisations will also be our application's end users.

### **2.2 Functionality**

The requirements of the application are -

Post social issues

The end user can post a problem through text along with an image or video explaining the problem and some details.

Votes by end users

End user can vote on issues that they feel need to be addressed.

Provide views

End user can see the number of views (s)he has had on his/her post.

Notify authorities

If a problem gets a relatively large number of upvotes, it will be brought to the notice of the concerned authority.

Response from authorities

The authority will issue a response to the post.

Inform when problem gets solved

The problem poster will get to know when the problem has been solved.

Share on social media

Users can share problems on Facebook, Twitter.

Promote good work

If someone does some work for a social cause, it will be promoted within the application.

Connect voluntary workers

If someone wishes to provide voluntary work for a social cause, they can do so since they have knowledge of what problems need to be solved in his area.

Linking NGOs

Some issues can also be brought to the notice of NGOs working in respective domains.

## **2.3 Platform**

The project will be developed as a web-based application as well as a mobile application from Android, Windows phones and IOS. It is a client-server model application.

## **2.4 Development Responsibility**

The Transformers team will be responsible for implementing the functionality that they commit to in Section 3 of this document. The team will also be responsible for the maintenance of the Make A Difference project.

# **3 Goals and Scope**

The Transformers team intends to implement the following functionalities explained in Section 2.2 of this document for the final release -

Post social issues

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## **4 Deliverables**

The Transformers team will deliver the following to the sponsor-

Feature Specification

Product Design

Test Plan

Deployment Document

Source Code

## **5 Risk Management**

## 5.1 Risk Identification

The possible risks involved in this project are -

The Government agencies might not get involved with us.

More than one end user might post the same problem.

The authorities may yet choose to ignore the problem.

## 5.2 Risk Mitigation

The Government agencies might not get involved with us.

The Transformers team will try its best to convince the government to involve with the functioning of our project. Also if we get the support of citizens, we can pressurise the government.

More than one end user might post the same problem.

Since a problem will be brought to the notice only if it garners a good number of votes, this won't be much of an issue as only one post among all the common posts will be voted up.

The authorities may yet choose to ignore the problem.

This is beyond the control of the Transformers team as it is upto the Government whether to choose to solve or ignore the problem.

## 6 Scheduling and Estimates

Milestone	Description	Release Date	Release Iteration
M1	Requirement document	September 20, 2015	R1
M2	Application view and design	October 1, 2015	R1
M3	Database design	October 12, 2015	R1
M4	Integrating models and views	November 10, 2015	R1
M5	Beta version	November 20, 2015	R1
M6	Issue tracker, user reviews, web design integration	November 30, 2015	R2
M7	Final release	December 15, 2015	R2

## 7 Technical Process

Transformers team would be using the following technology for the development of our project "Make a Difference":

Front-end- HTML, CSS, JavaScript, AJAX

Back-end- MySQL, PHP, Java or Web Framework (Django)

For Development of App:

Android- Java

IOS- Objective C

For application view and design, we would be using the languages for front-end development.

For Database design, we would be using MySQL.

For Integrating views and Design, we would be using PHP/Java/Web Framework.