Introduction

Here we bring an Mobile application for Water management system in rural and urban areas .As we know that there are many problems are facing in rural areas related to canal supply of water for irrigation ,no arrangement of water within particular distance areas like no wells ,no hand pumps ,no canals ,no ponds so with this app the people can directly communicate with the government officials .And similarly in urban areas we have seen that the water scarcity problem is happening now a days ,and like water distribution management problems. These problems are generally resultant in wastage of water ,cost ,time instead of the problem is not being solved . so for solving all problems we have Smart WMS.
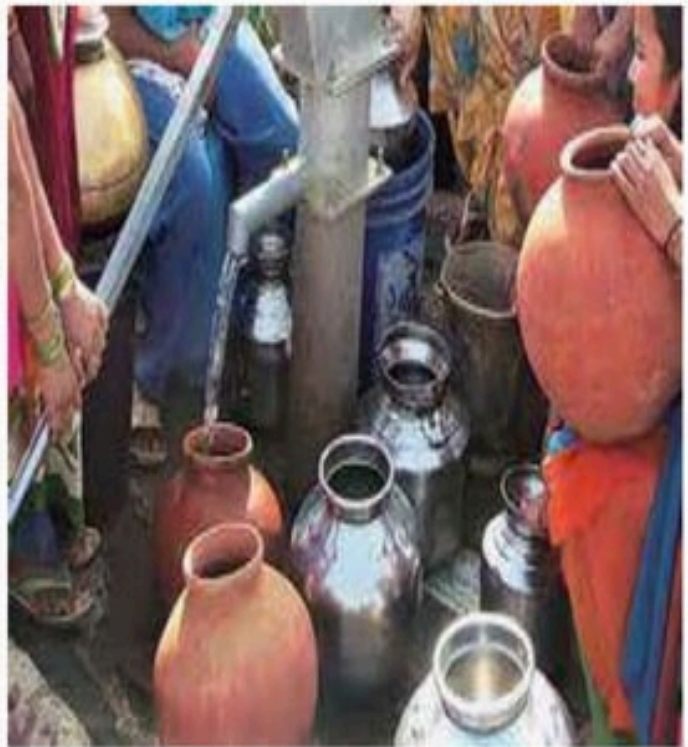
Current system problem

- In rural areas we have seen that due to improper water utilization and due to erosion and cutting of canals, farmers suffer from irrigation problem and also when they go for the government offices then they have to wait for months for resolving the problem and hence it takes time, travel fatigue and also loss of money due improper convenience. And still there are many problems of water management related to irrigation.

- We have also seen that on many public places mostly on railway stations there are wastage of water unusually like flowing of water form a pipeline that spends water in much amount and the railway official don't resolve the problem at the time so the precious water flows unusually.

Current system problem

- In the Urban areas some water tank is very old and near to collapse ,also there found to be many unusual leakage of water ,and there are many problems related to road and gutter.

Rural problem

current problem scenario

Poor people suffering from
water scarcity in urban areas
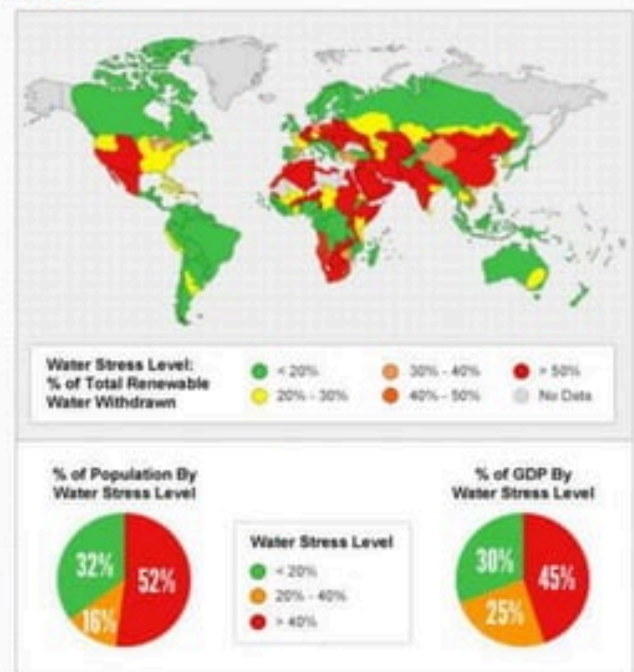
Villagers outside the block
demanding to solve a problem

current problem scenario
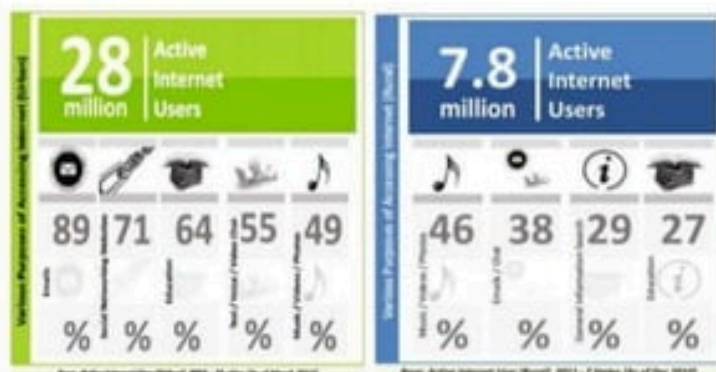
Man quarreling to the government official

Current water scenario world wide
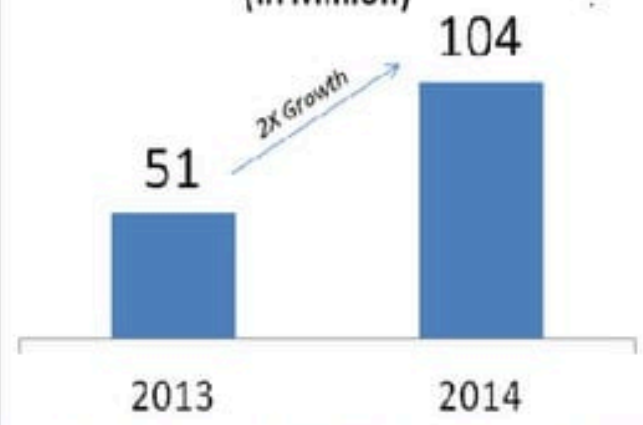
Smart phone users scenario

Urban vs. rural users

India Internet Users
Usage Purpose Urban vs. Rural

28 million	Active Internet Users

89 %	71 %	64 %	55 %	49 %

7.8 million	Active Internet Users

46 %	38 %	29 %	27 %

Smartphone users growth

Smartphone Users In Urban India
(in Million)

104

2X Growth

51

2013   2014

Based on Deloitte's Technology, Media, and Telecom Predictions 2014.
http://brandalyzer.wordpress.com

our proposed system

- Here we will bring an application by the help of which the user can find how many canals and government hand-pumps in the rural area(within 2 kilometers range),and can also complain to the government officials with the help of this application by sitting at home that can save time , travel fatigue and also can save money expenditure to travel.

- At the public place with the help of this application the user can also complain to the that officers to resolve a problem by typing that problem in the complaint box so that the unusual flow of water can be resolved quickly .The Complaint message is directly sent to the nodal officer so the management information can be transparent.

- In the Urban areas if the water tank is very old and near to collapse then by the use of this application public can send complain to the municipal corporation. Also if somewhere there found to be unusual leakage of water then after informing it through this application the municipal corporation can take action within hours , and the user can also send complain about any problem which are related to the municipal corporation.

compelling need of application

- Currently the public faces from many problems like irrigation and cutting of canals in rural areas , also there are much amount of water wastage at the public places , and in the urban areas like leakage of water , old water tanks that are near to collapse that can take many lives so after complaining form this application using complaint box the message can directly submitted to the near officers to resolve the problem.

Prototype of smart WMS

After creating account we login as:-

After login we have to select the state:-

Prototype of Smart WMS

After selection of state we have to enter district and block name

Here we provide all list of what you want to do?

Prototype of Smart WMS

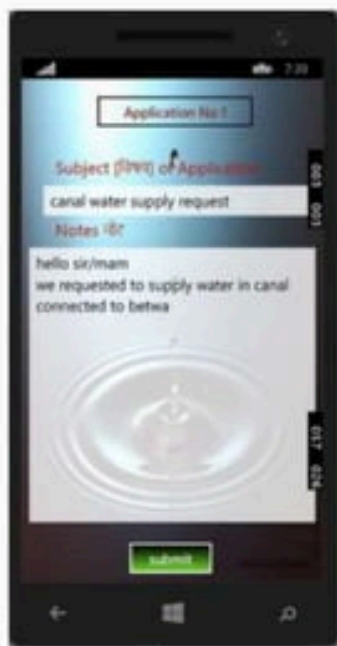**After clicking to the rivers/dams we get the list as:-**

If you have any query then you send it as:-

Prototype of Smart WMS

If you wish to write an application then it could as:-

For urban area the application open as:-

Prototype of Smart WMS

After filling the urban area fields the next page open as:-

End user benefit

- By using this application the user will have no requirement to go here and there they can directly send the message to the corresponding government staffs, it can also save wastage of water because we all know that the water is precious for us and our next generation.

- Because this application contains all the data related to the local rivers, canals, dams and all the information about the amount of hand pumps in the rural areas within a range of 2 kilometers, therefore it can help the poor to take advantage of this service.

- We also know that there are many peoples in rural area who doesn't know about the new government schemes so by using this app the user can directly know the new schemes.

Farmers in field

Farmers in field