

COORDINATION POWER

Poor coordination of sanitation activities at the local level

The Development Challenge

There is poor coordination between line departments (health, education, DPHE), NGOs, CSOs & the private sector implementing sanitation projects

The Development Solution

UDCCM / TLCC can be effective forums for local governments (UPs & Pourashavas) to coordinate development activities against needs at the local level

The Problem with the Solution

There is weak incentives for Line Departments, NGOs and civil society to attend & poor incentives for UPs / Pourashavas to hold these meetings

IT Challenge

To develop a web based system ranking / mapping UPs & Pourashavas based on frequency of co-ord meetings & line departments / NGOs on their performance

Support

Geo-codes of UPs & Pourashavas, GIS files of UPs & pourashavas



SMS ME BACK

Local governments are not aware of sanitation policies

The Development Challenge

Local governments not aware of the central government policies, circulars, transfers, guidelines, programs related to sanitation

The Development Solution

Develop a system to inform & gain feedback from local governments on central government initiatives

The Problem with the Solution

Most local governments do not have access to the internet but do have high access to simple mobile phones



IT Challenge

To develop a system to graph / map local government responses to specific multiple choice questions via SMS

Support

Mobile phone numbers of local government chairs & members, BTRC registered SMS short code, GIS files of UPs & pourashavas

LOCALITY TWINNING

Remote areas have low access to sanitation training

The Development Challenge

Many of the remote local governments & practitioners in Bangladesh have very poor access to good sanitation practices and knowledge resources.

The Development Solution

Many of the neighbouring local governments in Nepal, Meghalaya, Tripura, Assam, Sikkim have many good sanitation practices and share a similar language /

The Problem with the Solution

The sharing of experiences amongst local governments & practitioners is limited by boundaries & connectivity.

IT Challenge

To develop simple Bangla applications that enables local practitioners to connect & share via web sites, drop boxes, Facebook, SMS, WhatsApp etc

Support

Local governments in ChapaiNawabganj, Kurigram, Moulvibazar, Dinajpur, Comilla are willing to support piloting / testing.



PEER PLATFORM

Local governments have many sanitation solutions

The Development Challenge

Many sanitation projects that have developed many good sanitation practices but these are neither well known nor shared.

The Development Solution

To create incentives for local custodians to share their good sanitation practices and copy the good practices of others.

The Problem with the Solution

The incentives for the sharing and copying of good practices is often linked to some kind of a personal connection.



IT Challenge

To create a simple **Bangla IT platform enabling local governments to share their good sanitation practices and access the good practices of others.**

Support

The Horizontal Learning Program has developed an approach for local governments to share & replicate good practices. See <http://www.horizontallearning.net/>

MAP IT APP

Linking sanitation planning to the provision of services

The Development Challenge

Pourashavas are forced to engage manual toilet emptiers where septic tanks have been installed in congested areas.

The Development Solution

Need to link the issuing of planning approvals and No Objection Certificates (NoC) for sanitation infrastructure to pourashava spatial plans.

The Problem with the Solution

Many development activities take place off the plan and much of the infrastructure constructed does not conform to the plan.

IT Challenge

To create a GIS platform linking pourashava services – to NoC's - to planning approvals – to spatial plans.

Support

Some pourashavas already have GIS maps and prospective plans.



ENTREPRENEUR GAP

Sanitation entrepreneurs receiving micro-credit against trade licenses

The Development Challenge

Sanitation entrepreneurs receiving 'start-up' micro-credit financing are often not registered with their local governments.

The Development Solution

Link MFI lending to entrepreneurs to quality certification through the issuing of trade certificates.

The Problem with the Solution

Higher incentives for trade certificates creates higher risks of rent seeking behaviour.



IT Challenge

To create an open data platform at the local level that makes the license approval process subject to scrutiny.

Support

Some union parishads have already manual systems for registering MFIs and entrepreneurs within their jurisdiction.

NGO-WHERE?

Mapping of NGO sanitation activities

The Development Challenge

There are many NGOs working on sanitation related projects but there is no means of quickly ascertaining who is doing what & where.

The Development Solution

The NGO Affairs Bureau collates information on which agency is doing what & where and sends this to line agencies.

The Problem with the Solution

The information on who is doing what & where is not made public nor is it made available to local governments.

IT Challenge

To create an open data platform that maps approved NGO activities for line departments & local governments by name, activity.

Support

NGOs?
<http://mapbox.com/>



2012 GLOBAL **SANITATION** HACKATHON

DONATE MATE

Non-resident Bangladeshi support for village development

The Development Challenge

It is very difficult to raise finance for small but specific unplanned sanitation activities that arise during the course of the year for which there is no budget.

The Development Solution

Non-resident Bangladeshi (NRB) are willing to finance activities within their village in times of crisis or when small but important maintenance incidents occur.

The Problem with the Solution

It is difficult for those NRB to understand 'what needs to be done' and then to understand 'whether it has been done'.

IT Challenge

To create a platform to GIS reference the home locality of NRB, visually share incident information, track contributions & share the results of the work and the names of the sponsors.

Support

Upazila Chairman, Debidwar



EFFLUENT MATTERS

Citizen Mapping of Garment Manufacturer Effluent Outflows

The Development Challenge

There is a high environmental cost of the effluent discharges from the many garment manufacturers in Bangladesh.

The Development Solution

International garment buyers are willing to internalize the environmental costs from garment manufacturers that meet environmental standards.

The Problem with the Solution

It is difficult for international buyers to constantly monitor the quality of the outfall from the garment manufacturers.

IT Challenge

To create a mobile / video monitoring application that enables citizens / pourashavas / garment buyers to monitor the quantity & quality of effluent outfall?

Support

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M-MAP APP

Mobile phone survey application

The Development Challenge

Most surveys assess the level of access to sanitation facilities but ascertaining the quality of service from the household perspective is extremely difficult.

The Development Solution

Develop a survey / mapping application that enables citizens to enter data on quality of sanitation services.

The Problem with the Solution

Households have poor incentives to undertake SMS based or smart phone based surveys.

IT Challenge

To create a simple system for incentivising data generation by households through mobile phones (i.e. mobile credits).

Support

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CHANGE ME

Application for Behaviour Change

The Development Challenge

The greatest challenge in sanitation is individual and collective behaviour change

The Development Solution

Individual behaviour change happens occurs more readily amongst teenagers & children and this can leverage collective community behaviour change.

The Problem with the Solution

Enabling child-led behaviour change processes are often limited by a lack of access to triggers that instigate self driven change.

IT Challenge

To create mobile phone based applications / games / questions that increase the awareness of children on the importance of hygiene behaviour change

Support

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SURVEY APP

Union Information & Service Centre Data Generation

The Development Challenge

Collecting reliable information from the field is difficult & expensive.

The Development Solution

Surveys can be sent to Union Information Service Centers and entrepreneurs encourage citizens to take the on-line survey.

The Problem with the Solution

People don't know how to use computer and have low incentives to take the survey?

IT Challenge

To create a simple system for sending & receiving survey data from UISC's.

Support

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