Disaster management

**Disaster Management** can be defined as the organization and **management** of resources and responsibilities for dealing with all humanitarian aspects of emergencies, in particular **preparedness**, response and recovery in order to lessen the impact of **disasters**.\

Our project is basically a demonstration of how we can tackle real life disasters like tsunami,floods and Earth quake .

The project is mainly made up of two constituents …that are the city and the village which are separated via a river and are joined by a bridge.

We have a city which consists of an airport , buildings, water tanks, and a lot of greenery

We have working models of home automation system which helps us control devices with the help of Bluetooth. We also have a building which is earthquake resistant…

This building is filled with things that can avoid any type of damage to the people.

I guess we all know about the recent natural disaster of floods in kerala….

These were due to abnormally high monsoon rainfalls this season…. This has left us with 300+people dead, and washed out 57000 hectares of land with an approximate of 30000crore rupees loss.

Now lets imagine a situation where a place like Riyadh is hit by floods due to high rainfall…. Riyadh doesn’t even have proper water drainage facilities in many areas…..

We have created two solutions for this…

First is our Arduino controlled car…… this car is made up of an arduino board which is connected to two dc motors which are connected to IR sensors and transmittors which are caught by photodiodes…. The IR sensors calculate the line drawn infront of it and only move on it without the help of a driver …. So incase of floods where small children or women who don’t know to drive will be safe with this technology . this car passes through the bridge and transfer people safely to the village with the help of our hydraulic lift controlled bridge which is used in emergency ...

Then we have our remote and motor controlled solar boat….. this boat is made up very light material that is thermocol and wooden sticks with two dc motors which are connected to battery …. The solar panel is connected to this and we have a light in here

Over here we have a tub….which in real life is a river or a water body between the city and the village ….

The boat collects the people from the ports of the city and drop them off safely at the village

In the village as we can see we have shelter built for the people to live in with plantations and animal

Also we have water absorbing plantation system in our village

Supposively if some part of the floods enter the village the

Water absorbent concrete which is made up of heated limestone and clay which is very porous

In which water gets absorbed …

It is very well said by howard ruff

That it wasn’t raining when noah or prophet nooh built the ark….

We should be prepared for any natural disaster that comes to us ….. many people aren’t fit ,,,cant swim ,,,cant run ….doesnt mean they should die when natural disaster comes in

We have sooo many working models In this city…. Makes the life so much more easier to live .we just need to implement this in real life which will make us safe.

Thank you