AAGS- Disaster Managed!

Introduction:

A disaster is a sudden, calamitous event that seriously disrupts the functioning of a community or society and causes human, material, and economic or environmental losses that exceed the community's or society's ability to cope using its own resources. Every year this world loses millions of beautiful lives just because we are incapable of being prepared for such disasters and have inadequate measures to come out of these trauma causing situations. Imagine how many Einstein's this world has lost due to this 'carelessness' of ours!

We at AAGS want to build a safe and disaster-proof India and soon the world, by developing a holistic, proactive, multi-disaster and technology-driven strategy for Disaster Management. This will be achieved through a culture of prevention, mitigation and preparedness to generate a prompt and efficient response at the time of disasters. We intend to make remedies to help victims be prepared- predict disasters, cope up during the disaster and come out of the trauma after the disaster "ends"!

Our Idea:

To build a safer and disaster resilient India by a holistic, pro-active, technology driven and sustainable development strategy that involves all stakeholders and fosters a culture of prevention, preparedness and mitigation.

We intend to mix IT and IoT to produce a perfect product which will be easily accessible to all and will be as efficient and cheap as possible.

Some of the features we intend to include in our current prototype include:

1) Safety check option.

2) Drones to 3D map the location and find number of victims.
3) Radio SOS.
4) Connection to precautionary software so our software can warn our users.
5) Fundraising option in the app so can collect money to come out of the disaster.
6) IOT and Machine learning to predict earthquakes.
7) Big data to find out what's happening on the ground through live Twitter, Facebook and other social network feeds.
8) Cloud formation reader to know where cyclone may hit the hardest.
9) Tell the user the nearest safe zone where they can escape to.
10) Use of drones to deliver amenities to areas where human help can't be provided.
11) Internet-less chatting.

Our Future Plans:

Being Freshers with insufficient knowledge and resources, we are using 3rd party software to control the drones (we are using our own software too but a few features are pending). We look forward to working on other methods and hopefully create our own platform to sustain the device and develop on our idea by adding and supporting more features.

We hope you liked our idea!