TooLoud

(name still in debate)

a citizen science open hardware project

Why we need data

1. In order to raise awareness about this issue, we need to show people the impact of noise pollution in this country, which is why we need data.

2. Data will help other organizations to measure their interventions. Every locality is different, so we need to understand the impact of different initiatives in each locality.

How we plan to get that data - Our project

Our aims with this project -- We have a series of plans

We plan to get that data by building and deploying open source sound meters to collect sound levels across different points in the city

1. **To have community based action** by creating a group of volunteers to build and place devices in their localities, making it easier to manage and promote our project and distribute the burden of the work. These people are our Community Advocates

2. **To create open source hardware design and software**, and make it available online so that the future generations can pick up from where we left it and improve the existing model eliminating the risk of the project dying.

How we plan to get that data - Our project

3) **To create a Core Team** so that we have a central team to manage the code, data, electronics design, mechanical design and marketing/PR/communication materials. The central team needs to be committed for upto 9 hours a week, for atleast 6 months.

4) **To reach a 100 devices**, because creating a live network will make the project successful and open for sponsorship. If we can show success, we can raise money to expand the project and become a formal organisation. We cannot just build one device and say that is a success. It has to be a real life working network of devices, and we have to do it ourselves first.

5) **Our plan for the data:** We intend to initially open-source the data as well, so that criticisms and feedback can be allowed. Gradually we may monetize the data to support the organisation and Community Advocates.

How we plan to get that data - Our project

Our strengths:

1. We already built several prototype designs in 2017.

2. Our advisor team already published a research paper (see link).

3. We have a fabrication house (Fab Lab Dhaka) as an office. We have access to other Fab Labs for other support. We have reference models from Europe and Asia (MakingSense).

4. We are part of Citizen Science Association of Asia, so we have opportunity for exposure and international support.

Research paper -
https://drive.google.com/file/d/1uPNIsRyijoeneM0pyyyrSEMpuWa5GaWh/view

The importance of raising awareness about issues in our community

1. Raising awareness of the effects of the issues in our community, like noise pollution, in order to prompt action for public health measures will promote a better understanding of the risks and effects of the issues and will motivate and facilitate both behavioural change and societal support for actions taken to reduce them.

2. Improved awareness will help professionals to provide leadership in supporting rapid and comprehensive strategies for mitigation and adaptation that will both improve health and reduce vulnerability.