**Library Noise Alarm**

**Proposal**

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**Overview:**

As engineering students we tried to look for problems faced by others so that we can research a solution.

We had many ideas:

1. Water leaking inside walls detector(using pressure in pips).
2. Virtual reality study room.
3. Library noise detector(one on each table connected through an application).
4. Smart bell(camera and mic connected through an application).
5. Animals temperature sensor(one for each animal connected through an application).

**Problem Statement:**

Libraries these days are huge having a lot of tables and even some have different floors which makes hard for the librarian to maintain low level of noise (Silence).

Librarians are having a hard time to detect the direction of noise. Which specific table making noise? And the students themselves can’t notice that they are being noisy.

**The proposed solution:**

The Solution is to make a library noise alarm device monitoring voice loudness running with a mobile application. The device will be placed on every table having three LEDs to represent three levels of loudness which will provide the ability for students to self-monitor their voice loudness. If some conditions are met it will send a notification to librarian phone contains the table number.