

TEAM NAME: REUS

TEAM MEMBERS:

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PROJECT NAME : BLIND STICK

PROJECT OBJECTIVE: The objective of the project is to make a stick for the blind person which contains IR SENSOR modules so that when the modules are interrupted they produce noise. So that the blind man can easily know that he is going to face any interrupt.

MOTIVATION: Moving through an unknown environment becomes a real challenge when we can't rely on our own eyes. Thus a smart electronic aid becomes very important for a blind person.

BROAD VISION: The device is expected to facilitate easier movements of blind people. It could actually make the life of blind a bit easier.

DEMONSTRATION: The nearby objects are sensed by the IR sensors which are mounted on the stick microcontroller circuit. Then this interrupt will come to microcontroller and then the controller will instruct to buzzer to blow.

SKILLS: We all are familiar with coding and a bit with circuits. We will be working on polishing our skills and learning the use microcontroller.

COST: Cost of the project is estimated to be around 2-5k. Depending upon the quality of the equipments we use.