

CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s) Kunal Jain		Project Number
Kunai Jam		J1009
Project Title An Earthquake V	Varning System	
Objectives/Goals	Abstract	
The purpose of this engine would detect, measure, and intensity of the impending Methods/Materials Raspberry PI with audio li module(accelerometer), E' rubber bands to build an ea configurations with Raspb Results The device I built can alerr of the time, and can measu Conclusions/Discussion I have invented an earthqu The system is capable of d Mercalli intensity scale is Using the accelerometer se and sends an appropriate a like a room or a building a	prary installed, mini speaker, sensor 73 lego kit, and rubber bands. I used the arthquake simulator to test different sense erry Pi. people with the appropriate warning more re earthquake intensities with only 5% e ake warning system by using a Raspbern etecting different earthquake intensities a seismic intensity scale used for measur nsor, a Python software, running on the	e EV3 kit and sor essage 100% error margin. ry Pi, speaker, and an accelerometer. based on the Mercalli Scale. The ring the intensity of an earthquake. e Raspberry Pi, detects the earthquake n is able to detect earthquakes in an area ey can evacuate. I have used sensor
Summary Statement I have invented a device th	at can detect, measure, and then based o	on the intensity, sound an alarm through