

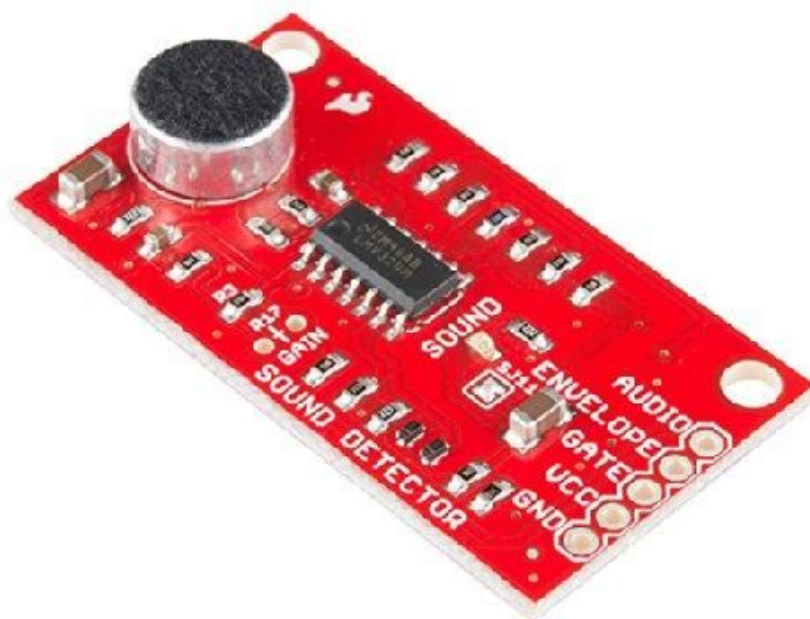
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ECE 411 - Group 8
Project Proposal

Sound level meter in decibel (db)

The idea of this project is to make a noise-measuring device and display it in decibels on an LCD, it will detect and measure the sound level. The project would be categorized as easy. However, we can add mobilizing ability to it so it would move towards the lowest sound level spot until the sound level measured reaches a certain point. It's always possible to add more microphones/sound detectors, for example if you had 4 of them and each is facing a different direction that would measure the sound level on the entire surroundings (360 degrees) where here the mobilizing ability would become more useful for speakers distribution in a class room, a ball room or any huge hall.

The project will use:

- A microphone amplifier or a sound detector (sensors)



- LCD module (actuator)



- Arduino uno (controller)

