**Final Project Progress Report (EE4735)**

**Project Title: Hallway Navi Bot**

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***Hallway Navi Bot***

**Tasks Completed:**

* Sensor calibration and implementation with MSP430 done.
* Checked all three sensors on oscilloscope and MSP430 which shows correct sensing of distance. Pulse width code to detect ultrasonic sensor output works.
* Timer B is used for trigger generation for ultrasonic sensors in UP mode.
* Time A in continuous mode is used to capture ultrasonic sensor outputs for 2 sensors on channel 0 and channel 1.

**In process:**

* Several iterations in algorithm were tested to navigate the robot between parallel walls of empty hallway using a single sensor.

**Next Steps:**

* Add second sensor and modify/improve logic to navigate in parallel walls.
* Next step is successful navigation in empty hallway.
* Think about obstacle avoiding logic and implement in above algorithm.