

*Ultra-Sonic Meter Reader*

**TEAM MEMBERS:** Darren, Austin, Carter

**REPORT NUMBER:** Report 7

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**REPORT AUTHOR:** Carter Glynn

**THIS WEEK’S TASKS:**

T60 – Darren, Get an IP address with Ethernet Chip attached to dev-board

T61 – Darren, On MCU powerup, determine to use Ethernet or Wi-Fi depending on if a network cable is connected to module

T44 – Austin, Create beta PCB design for MCU module

T45 – Verify PCB design for MCU module with sponsor

T31 - Create Block diagram for sensor module

T35 – Carter, Create Schematic for sensor module circuit

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T31 – Carter, Create Block diagram for sensor module

T32 - Breadboard sensor module circuit

T34 - Determine how MCU can send required frequency, do we need an oscillator or transistor to boost frequnecy from two sources?

T35 - Create Schematic for sensor module circuit

**NEXT WEEK’S TASKS:**

T60 – Darren, Get an IP address with Ethernet Chip attached to dev-board

T61 – Darren, On MCU powerup, determine to use Ethernet or Wi-Fi depending on if a network cable is connected to module

T46 – Austin, Build 2-3 sets of beta pcb MCU modules

T50 - Create block diagram for sensor module connecting to MCU module

T36 – Verify Schematic for sensor module with sponsor

T37 - Create Pcb design for sensor module

T38 - Build beta sensor module