

*Ultra-Sonic Meter Reader*

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

**REPORT NUMBER:** *Report 6*

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**REPORT AUTHOR:** *Darren Morrison*

**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*

T35 – Carter, Create Schematic for sensor module circuit

T36 – Carter, Verify Schematic for sensor with sponsor

**PROGRESS THIS WEEK:**

*T59 – Darren, Interface dev-board with Ethernet Chip*

*T62 – Darren, enable watchdog to reset module if MCU module gets stuck in an infinite loop*

*T44 – Austin, Create beta PCB design for MCU module*

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

**NEXT WEEK’S TASKS:**

*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

*T32 – Carter, Breadboard sensor module circuit*