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**EE/CprE/SE 491 WEEKLY REPORT**

**4/10/23 – 4/16/23**

**Group number: 20**

**Project title: mm Wave Imaging radar**

**Client &/Advisor: Mohammed Tayeb Al Qaseer**

**Team Members/Role: Nathan Ayers: Interface Lead, Rodrigo Romero: Lead FPGA Programming Engineer, Michael Levin: Lead DSP Engineer, Matthew Caron: Lead Hardware Designer.**

o **Weekly Summary**

- o This week was spent preparing for an in class presentation related to testing for our project. It ate up a lot of time, so actual work became a lower priority for us.

o **Past week accomplishments**

- Nathan Ayers: No accomplishments made this week, I had exams and just didn't have time to make significant progress.
- Rodrigo Romero: Meet with advisor and another teammate to work on the project. Plan to develop the programming structure of the equipment has been developed.
- Michael Levin: Made the first design for multiplying complex numbers in vivado.
- Matthew Caron: Worked a little more on schematic design

o **Pending issues**

- Nathan Ayers: None
- Rodrigo Romero: Develop a plan to build the programming structure of the equipment.
- Matthew Caron: finding the time to work on the design

o **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b> <i>(Quick list of contributions. This should be short.)</i>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Michael Levin	I started the template for the report and started the design for multiplying complex numbers in vivado	3	16
Nathan Ayers	Met to show previous weeks accomplishments and then worked on upcoming presentation.	2	32
Rodrigo Romero	Worked on vivado and its IDE.	2	12
Matthew Caron	worked on schematic design	2	17

o **Plans for the upcoming week**

- Nathan Ayers: I will try to develop C# code to turn on pins from the FTDI chip.
- Rodrigo Romero: Meet with the advisor to plan the structure of the programming development. Successfully Develop a template for the stage one of the software structure.
- Michael Levin:
- Matthew Caron: work more on schematic design

**Grading criteria**

Each weekly report is worth 10 points. Scores will be awarded as follows:

- **8 – 10:** Progress for your project seems to be suitable. Documentation and hours reported by team members are adequate.
- **6 – 8:** There is scope of improvement both in your report and your project progress. Can consult with instructor/TA after class for further inputs.
- **< 6:** Please talk to instructors/TA after class hours about any difficulties that you/your team is facing.

Each weekly report should be unique in that they have a unique set of supporting details for your contributions. So please do not just copy your reports from the previous week. In addition, please avoid any personal pronouns (he, she, I, you). Try to keep your reports as neat as possible.