Members:

Name	Primary Role	Secondary Role(s)
Dr. Diane Rover	Advisor	Client
Jazzlyn Jacobus	Project Lead	Embedded System Lead
Benito Moeckly	Machine Learning Lead	Cybersecurity Team
Caleb DeBoef	Electrical Systems Lead	Embedded Systems Team
Jose Garcia	Cybersecurity Lead	Machine Learning Team

Week 8-9 Updates:

- Design Review:
  - No design changes
- Objectives and Requirements:
  - Create GUI to allow for better ease of use without overwhelming students
    - Needs SSH and file transfer capabilities
  - Create installation package for training machines for easy distribution
  - Follow sprint format closer with more filled out backlog
  - End of semester goals
    - Intro Lab
    - Project similar to Mars Rover CprE 288 Lab
      - incorporating machine learning and embedded programing
- General Accomplishments
  - Some GUI Progress
  - Installation package Progress
  - Track is completed

Individual Contributions:

Name	Contribution	Weekly Hours	Total Hours
Jose Carlos Garcia	**Created Local Training Platform, prepared VM with the software package, drafted system diagrams with the**	**~10**	**60**

Name	Contribution	Weekly Hours	Total Hours
	software packages		
Jazz Jacobus	Updating Design Documents to fit new project direction, creating new hardware diagram, helped build track, Investigating source code of DeepRacer	~7	57
Caleb DeBoef	Researched Machine Learning algorithms, helped to construct track	5	54
Benito Moeckly	Helped buld track, working on GUI file transfer functionality	~8	51

Open Issues:

Issue	Status	Assigned To	Notes
Construction of Physical Track	Done	Caleb Deboef	We constructed a 4x6 oval track to the AWS league specifications. We are now planning on doing a live demo of the trained model
Physical DeepRacer Test	In progress	All	With the physical track created, we are now planning to test the real-world functionality of the bot and compare to the simulation.
Create Diagram to Compare DeepRacer to DonkeyCar	In progress	Caleb DeBoef	We will use this document to highlight the different capabilities of each platform and express when each would be better for different scenarios

Issue	Status	Assigned To	Notes
Create installation Package	**In Progress**	**Jose Carlos Garcia**	To centralize access, we're launching a VP with the help of ETG in order to allow everyone in the group access to our software package everywhere We were able to train a model on our VM
Lab 01 Document	**In Progress**	**Jose Carlos Garccia**	Create an example lab for students to serve as introductory, finishing up technical instructions
Training GUI	**In Progress**	**Benito Moeckly**	creating a gui in py for picking, uploading reward functions, training models, and uploading models to deepracer, currently working on ability to move files and ssh

Upcoming Plans

- Successfully run a physical model on built track
- Finish first drafts of Lab documents
- Finish Installation package
- Update GUI functionality to be able to move files via ssh