

# MEETING MINUTES

## Topic: Staff 1<sup>st</sup> Meeting

Date: Monday, September 17, 2018

Time: 7:25 pm –8:00pm

Location: Engineering Building Rm 314

Minutes recorded by Titus Yazzie

Meeting called by Dr. Trevas

Attendees: All members present with Dr. Trevas and Brandon Begay

Table 1. Record of meeting.

<b>7:25 pm – 7:30 pm</b>	<b>Discussion of Smart helmet</b> <ul style="list-style-type: none"><li>- Tell Dr. Trevas team is going to focus on football</li><li>- Dr. Trevas expresses concern on how the helmet will perform</li><li>- Other sports to focus on?</li></ul>	EGR Rm 314
<b>7:30 pm to 7:55 pm</b>	<b>Discussion of functions of helmet</b> <ul style="list-style-type: none"><li>- How the helmet will detect incoming impact</li><li>- Active protection of helmet when impact occurs</li><li>- Impulse equation and reduce time to decrease force</li><li>- Magnetorheological fluid (MRF) by Dr. Ciocanel</li><li>- Viscoelastic fluid</li><li>- Arduino Kit and functions to aid in future prototyping</li><li>- Break up tasks</li></ul>	EGR Rm 314
<b>7:55 pm to end</b>	<b>Plan for next meeting</b> <ul style="list-style-type: none"><li>- Omar will be taking next meetings minutes</li><li>- Discussing the next part of the project.</li><li>- Looking over team assignments.</li><li>- Dividing work between teammates.</li></ul>	EGR Rm 314

Table 2. Tasks Assigned.

<b>Task</b>	<b>Person Assigned</b>	<b>Due Date</b>	<b>Date Complete</b>
Contact Dr. Ciocanel about this research	Race	9/28/18	10/5/18
Get access to Arduino and begin to practice	Omar	9/24/18	9/24/18
Look into G forces on head	Fares	9/24/18	9/24/18

Look into viscoelastic material	Mana	9/24/18	9/24/18
Look into accelerometer and Arduino with Omar	Titus	9/24/18	9/24/18

**Next formal meeting: 9/19/18, Engineering Building, at 6:00pm.**  
**Next members responsible for agenda: Omar**  
**and meeting minutes: Titus**