**Project Plan Rough Draft – Team 2**

**Privacy-Centric Multimodal Learning Analytics Device**

**Week 5: Hardware and Initial Setup**

* Procure hardware components [4 hours] (Connor)
* Assemble the components [4 hours] (Connor)
* Install necessary software on Raspberry Pi [5 hours] (Connor)
* Test the basic functionality of hardware components [5 hours] (Connor, Riad, Sakshyat)

**Week 6: Web Application Development (Initial Phase)**

* Develop a basic web application structure [5 hours] (Riad, Sakshyat)
* Setup a local server on Raspberry Pi [4 hours] (Connor, Riad, Sakshyat)
* Implement the data retrieval functionality [6 hours] (Riad)
* Test the web application on the local server [4 hours] (Connor, Riad, Sakshyat)

**Week 7: User Authentication and UI design**

* Implement user authentication [5 hours] (Sakshyat)
* Design user interface for web application [6 hours] (Riad, Sakshyat)
* Optimize the user experience and usability [5 hours] (Riad, Sakshyat)
* Test final design [4 hours] (Connor, Riad, Sakshyat)

**Week 8-9: Integration and Testing**

* Integrate hardware with the web application [8 hours] (Connor, Riad, Sakshyat)
* Write scripts for data capture and transmission [6 hours] (Sakshyat)
* Test the data capture functionality [4 hours] (Sakshyat)
* Debug and troubleshoot issues [4 hours] (Connor, Riad, Sakshyat)

**Week 10: Deployment and User Testing**

* Deploy the device and web application locally [ 5 hours] (Connor, Riad, Sakshyat)
* Conduct user testing sessions [6 hours] (Connor, Riad, Sakshyat)
* Collect and analyze user feedback [5 hours] (Riad)

**Week 11-12: Performance Analysis**

* Monitor device performance [7 hours] (Connor, Riad, Sakshyat)
* Analyze the quality of data collected from the device [5 hours] (Connor, Riad, Sakshyat)
* Identify the areas for improvement [ 4 hours] (Connor, Riad, Sakshyat)
* Optimize the device and application performance [6 hours] (Connor, Riad, Sakshyat)
* Further enhancements in the system with additional features if needed [5-6 hours] (Connor, Riad, Sakshyat)

**Week 13-14: Documentation and final adjustments**

* Prepare the final documentation and write the paper [12 hours] (Connor, Riad, Sakshyat)
* Create the presentation slides [3 hours]
* Finalize any pending tasks [3 hours] (Connor, Riad, Sakshyat)
* Submission and presentation [3 hours] (Connor, Riad, Sakshyat)