**Meeting Notes and deliverables**

* Ice breaker
* Project breakdown
  + Organization
    - Github for version control 🡪 https://github.com/jaypacamarra/310-proj1
    - Please create a branch off the master branch and make the name of the branch descriptive of the feature being developed
    - When developing features, please go through the features checklist word document and check off the features that were implemented so we can keep track of development progress
    - You have permission to switch to the master branch and modify the features checklist and directly push from there
    - Main communication should be in whatsapp and meetings in zoom
    - Should have regular team meetings and talk about:
      * Task updates
      * Schedule status update (Are we behind or ahead of schedule?)
      * Budget status update (Are we under or over budget?)
      * Quality/scope status update (Are we maintaining desired scope/quality levels?)
      * Current or anticipated issues (e.g., changes, risks, resource issues, client satisfaction issues, vendor issues, etc.)
  + **Timeline:**
    - October 6 – Finish the LabVIEW lessons on linkedIN
    - October 18 – Integration / All subVIs are implemented
    - October 19 – Debugging
    - October 24 – Complete project
    - October 25 – Screen recording (mp4) with our teams voice explaining the program ( max 5 min )
  + Regular meeting times
    - Saturdays at 1pm for at least 2 hours
  + **SubVI**
    - **Time Domain Features (One big time domain subVI)**
      * Display time domain signal
      * Physical control parameters (time, amplitude, phase, offset)
      * Calculated signal parameters (pk-pk, rms, frequency)
      * Freeze screen with a button
      * Measure time difference (cursor)
    - **Frequency Domain Features**
      * Display FFT of the input signal
        + Lookup tools for easier FFT implementation in labVIEW
      * Low pass filter
        + Cut off 1-20khz (adjustable knob or numerical input box)
        + Drop down to select **type of filter** (type of filter???)
        + Control order of the filter
      * High pass filter
        + Cut off 1-20khz (adjustable knob or numerical input box)
        + Drop down to select **type of filter** (type of filter???)
        + Control order of the filter
      * Moving average filter
        + Control the averaging window size (shift register)
        + Overlay the average on raw input