🖫 *Project Plan*

Gantt chart timeline spanning Sep 2020 – Apr 2021 with the following tasks:

- **Research and Design**
  - Human robot interaction design
  - Electrical shematic design
  - Software architecture design
  - CAD model V1
  - ◆ System Engineering & Agile/Scrum
  - Prototyping and Experiment
  - ◆ Contex/Human-robot interaction + sociotechnical systems + user tesing
  - Hardware and material bill v1
  - Electrical components list v1
  - ◆ Meeting with coach
  - Software framework/library list v1
  - Mock environment set up
  - ◆ Design approved by client
  - ◆ Value proposition design + creative storytelling
  - ◆ 10/30/2020
  - ◆ Prototyping testing and evaluating
  - Report writing
  - ◆ Design Report
- **Boxbot 1.0**
  - **Mechanical System implementation**
    - Subparts fabrication
    - Assembly
    - Testing
  - **Electrical system implementation**
    - Electrical system implementation
    - Testing
  - **Software system implementation**
    - Control system implementation
    - Unit testing and integration testing
    - Human robot interaction system implementation(optional in this phase)
  - System integration
  - ◆ Subsystems done and functional
  - System testing
  - ◆ Robot integration done
  - ◆ Boxbot 1.0 reveal to the client
  - Chrismes Vacation
- **BoxBot 2.0**
  - Acceptance Testing
  - Human robot interaction system implementation(continue)
  - Final adjustment
  - ◆ Final Product Deliever