**Project 01**

**Aim**

To utilize technical knowledge or if lacking, building the technical skills required to complete the project to add to your CV.

**Some Points**

1. **Definition of Purpose**
   1. Who the project is for?
   2. Whether we want it to be an Individual Project or one involving a third party.
   3. Being more comfortable in a work environment as it’s more project based like this.
2. **Setting Rules**
   1. Feasibility
   2. Set a time limit
   3. Set guidelines for working on Project
   4. Define Areas of Work
   5. Define KPAs
   6. No “OKAYs”. Need an actual opinion on things.
   7. No fights cause of this project.( like just major ones)
   8. Only US 2 right now. Can take more people based on workload or skill limitations.
   9. If anything needs to be purchased, we split it in whatever way we think is fine then.
3. **Defining the Topic**
   1. Choose topic based on current technical skills.
   2. First Project so make it something simple and easy to follow.
   3. Topic should be close to something we have in our course and if not from course, it should be something along the lines of hot topics in CS currently or in the near future. (ML, AI, IOT).
   4. It should be something that interests both of us.
   5. Set amount of days for Research of Project.
4. **Choosing Software and Language Requirements**
   1. Use GitHub
   2. Choose Language based on research. Make sure it has a good support structure.
   3. No need to use a common IDE. Whatever the person is comfortable with.

**Array of Procedures to be Used**

1. Choose Topic
2. Research
3. Contact seniors or professionals with skills in the field for help (if needed)
4. Planning
   1. Set the Aim of Topic
   2. Deign Product
   3. Divide Tasks
   4. Define KPAs
5. Execution
   1. Start Building Project
6. Testing
7. Improvement
   1. Making it less time consuming
   2. Take suggestions from professors in your university via mail even if you don’t need it. (Just for the Impression cause they give recommendations during Interviews and for Higher Education.
   3. Making the Deign better.
   4. Let’s try and implement data collection software as well.(like which feature was clicked more or things like that)

**[STARTED 2nd October 2020]**

1. Choose Topic

* Make a list of suitable topics
* Eliminate complex topics (as it’s the first project)
* Compare Similar Easy Topics and choose more suitable one
* Choose Most Suitable

**[FINISHED 3rd October 2020]**

1. Research

* What kind of Software to Build
* Web App
* App (Stick to android)
* Website
* What Languages are available to be used for the project.
* Choose Language
* Some Knowledge of Language
* Slightly Course Related
* In Line with Future Expansion of Language
* Compatibility with other Software
* What complier / IDE to use.
* Which Database Software to Use (Language must be SQL)
* Can the chosen language be easily linked to that chosen database software?