**Feasibility Report**

Technical Feasibility:

* Software used in this project are Google Collaboratory for Python Notebook collaboration, VS Code for Backend Development, and Flask web framework for developing web server.
* The resources mentioned exist and are available to all the team members.
* The team has various technical skills such as Technical Writing, Project Management, Backend Development, Data Science/Machine Learning.
* The available technology is at the forefront and can be used with ease.
* Maintaining and upgrading technologies is an easy process.

Operational Feasibility:

* The services required would be a Cloud Based GPU from Google Collaboratory. Datasets for the problem are required.
* The product could be used as a Web Application.
* The suggested solution is accepted by all the team members.

**Requirements**

* Technological Requirement : Python , Flask , NumPy ,Pandas , Sci-Kit Learn ,Seaborn and Matplotlib.
* Functional Requirement : Client interface , feature to retrieve list of items, a feature to filter and organize data , a feature to enable user to explore different items based on preferences.
* Algorithms : k – Nearest Neighbor (It will capture preferences and suggest items based on it ) .
* Dataset : It will be collected by system.