**ESG Survey Automation – User Stories**

Hackathon Challenge performed by Hack-Challengers in the Agile scrum methodology. Following high level user stories are created to complete the challenge. However user stories can be split into further tasks and sub-tasks and implemented in parallel to achieve Product Objective.

**User Story 1/Feature 1**

As a Product Owner I would like to see Survey Questionnaire and Data/Response files or tables (.xls , .pdf & Web pages) available in the Cloud Storage for further parsing.

This user story contains following tasks.

* Gathering the Survey Questionnaire
* Gathering Survey Data
* Creating and configuring the Project in the GCP environment.
* Loading files in the Cloud Storage.
* Creating Database.

**User Story 2/Feature 2**

As a Product Owner I would like AI/ML processing using GCP Vertex Search and Conversation and BigQuery APIs.

* Enabling BigQuery API.
* Enabling Vertex Search and Conversation API.
* Configuring PaLM2 Text Bison LLM

**User Story 3/Feature 3**

As a Product Owner I would like see the API end points are configured for the outputs of Vertex Search and Conversation App.

* End point configuration for Search functionality.
* Endpoint configuration for Chatbot enablement.
* Endpoint/Widgets development used for the calling.
* Postman collection for exposed API.

**User Story 4/Feature 4**

As a Product Owner I would like see User interface which provides Search Option for the Survey Responses and Reports.

* User able to search the Survey Responses.
* User is able to access the Chatbot to post queries and get responses.
* User is able to see/generate the consolidated reports.

**User Story 5/Feature 5**

As a developer I would like the Automated solution to be tested at various phases (Data /File loading, AI Model analysis, API Endpoints generation and evaluation and User Interface testing.)

Testing related tasks will be generated accordingly.

**User Story 6/Feature 6**

As a developer I would like to upload all the artifacts to GitHub Repository.