**ADTA 5770: Generative AI with LLM**

**Semester Project – Individual Final Report**

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Student Name: Sonali Sabnam

Group: Group 3

# Overview

The semester project aims to develop a knowledge-based Question-Answer and Search System. The project is done using the Cloud Integrated Development Environment (IDE) System (CIDES) provided by Google Cloud Platform (GCP) Vertex Ai services.

Students work on the project in groups throughout the semester to complete all the project assignments. At the end of the semester, each student must also submit their individual semester project submission portfolio in addition to the group submission.

# Semester Project: Submitted Individual Portfolio

**INSTRUCTOR’S NOTES**:

*--) List all the documents and/or materials that you have submitted for your individual portfolio.*

**Answer:**

1. **Code**
2. **Prompts and Response**
3. **Likert Scale report**
4. **Individual Final Report**

# Semester Project: Individual Contributions

**INSTRUCTOR’S NOTES**:

*--) Provide a detailed discussion of your contributions to the group semester project.*

**Answer:**

My contribution for this project was as per the project plan described below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SqNo** | **Task** | **Complexity** | **Done By** | **Timeline** | **Status** |
| 1 | Create a GCP Account | low | Sonam | 20-Jan | Done |
| 2 | Create a GCP project and bucket | low | Sonam | 25-Mar | Done |
| 3 | Data acquisition | medium | Sonali/Young/Sonam | 14-Feb | Done |
| 4 | Loading the data to the shared folder | low | Young | 19-Feb | Done |
| 5 | Project proposal | medium | Sonali/Young/Sonam | 9-Feb | Done |
| 6 | System high level design | medium | Sonali/Young/Sonam | 31-Mar | Done |
| 7 | System low level design | medium | Sonali/Young/Sonam | 8-Apr | Done |
| 9 | Building the Q&A system (Coding) | high | Sonali/Young/Sonam | 22-Apr | Done |
| 10 | Mid-way presentation | medium | Sonali/Young/Sonam | 14-Apr | Done |
| 11 | system development report | high | Sonali | 22-Apr | Done |
| 12 | system testing report | high | Young | 25-Apr | Done |
| 13 | Presentation | medium | Sonam | 28-Apr | Done |

# Semester Project: Teamwork Experience

**INSTRUCTOR’S NOTES**:

*--) Provide a detailed discussion of your teamwork experiences while working on the semester project with other group members.*

* *What are good experiences?*
* *What needs to be changed or improved?*

**Answer:**

**Good Experience:**

My teamwork experience was great. I have been working with the same team since my first semester, and this is our fifth project together. We have professional work experience which has helped us to establish strong communication, collaboration and trust for efficient and effective teamwork.

**Area of Improvement:**

This is the best team I can ever have in school and would not change a thing about it. However, I would like to get the study materials, assignments and project submission details earlier so the team gets more time to play around with it and come up with a better assignment/project rather than sweating to complete only the requirement.

# Semester Project: Group Member’s Teamwork Peer-Evaluation

**INSTRUCTOR’S NOTES**:

*--) List the members of your group*

*--) Peer-evaluate each other group member’s teamwork experience you had (Very Poor, Poor, Fair, Good, Excellence)*

*--) Provide information to support each of your peer-evaluations*

**Answer:**

Team members:

* Sonam Pohuja: **Excellent**

**Peer Evaluation:** Sonam is diligent towards her course. She shows the highest levels of professionalism and communicates efficiently. She is a hard-working person and puts enormous efforts to complete the work in strict timelines.

* Young Yu: **Excellent**

**Peer Evaluation:** Young Yu is a passionate developer. He has a knack for technology. He can solve any technical problem with code. He demonstrates the highest levels of professionalism and takes every assignment seriously.