

# **CSCI – 5100**

## **Communicating Computer Science Ideas**

### **Henrietta Cloud Scenario – Part One**

#### **(Team Assignment 2)**

**(a) Team ID: AL2**

**(b) Topic set:**

##### **Proposal idea 1:**

- Platform - Quantum computing
- Area - Cybersecurity
- Focus - Quantum-resistant encryption
- Problem to be solved - As quantum computing continues to develop, there is also the potential threat for it to current encryption methods. Traditional encryption algorithms, which rely on the difficulty of certain mathematical problems, may become vulnerable to attacks from quantum computers due to their ability to solve these problems faster. It is necessary to develop encryption methods that can withstand quantum computer computation power and ensure sensitive data's security to deal with this challenge.
- Target user - Cryptographers, cybersecurity experts, and organizations handling sensitive information who seek to bolster their security measures against future quantum computing threats.

##### **Proposal idea 2:**

- Platform - IoT
- Area - Entertainment
- Focus - Comment Analysis
- Problem Statement: While content creators in the entertainment industry prioritize content based on engagement metrics like likes, shares, and views, they often neglect the insights they can get from the comments. Comments are a direct and unfiltered way of getting audience input and sentiment, offering valuable insights and suggestions for content improvement. The lack of effective tools for comment analysis prevents content creators and corporations from taking full advantage of social media, leading to unoptimized content generation.
- Target Users: Content creators such as influencers, social media personalities, digital creators, etc. who are looking for new tools to find out what their audiences think, spot sentiment trends, and improve the way they make content based on that information. Companies seeking to recruit ambassadors or influencers for brand collaborations want access to information regarding the candidates' audience engagement and comment analysis to ensure compatibility with their brand values and aims.

**(c) Team outcome review:**

Team members have participated in the weekly meetings on discussing their problem statement and provided their feedback/opinions on the topics each team member have prepared. Everyone shared their ideas and opinions freely for the proposed problem statement. These meetings were productive and have resulted in a better understanding of the goals. Minutes of meetings are also kept by the team, which provides an easy way to keep track of discussions. After reviewing the team outcome from previous meetings, we conclude that no changes to the team outcome is necessary.

**Meetings conducted:**

Date	Time	Location	Attendees
January 10	17:00 AT	Online via Google Meet	Everyone
January 31	17:30 AT	Online via Microsoft Teams	Everyone
February 7	18:15 AT	Online via Microsoft Teams	Everyone
February 14	11:00 AT	Online via Microsoft Teams	Everyone
February 14	17:30 AT	Online via Microsoft Teams	Everyone

**Group members participated:**

Name	Email
Drashti Patel	dr954742@dal.ca
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