**Individual Report**

**Member name:** [Yeshwanth Reddy Chennur](mailto:ychennur@asu.edu)

**Evaluated by:** [Avani Mundra](mailto:amudra@asu.edu)[Gautham Vijayaraj](mailto:gvijaya6@asu.edu)

**Date: Sep 11, 2023**

**Tasks Assigned:**

* Started reading the research paper “A Trusted Social Network Using Hypothetical Mathematical Model and Decision-Based Scheme”.
* Evaluated Justin Young's individual and in-depth report.

**Summary:**

* The paper titled "A Trusted Social Network Using Hypothetical Mathematical Model and Decision-Based Scheme" introduces an innovative approach to develop a reliable and safe social network.
* The authors develop an imaginary mathematical model for evaluating network trustworthiness. This model takes into account things like communication patterns and user behavior.
* They add a decision-based method to this model that employs information from the real world to make trust-related decisions. By combining these factors, the social network hopes to create a trustworthy environment that will improve user security and privacy while encouraging deep interactions.
* The study addresses significant issues in the age of technology and helps create safe social networking platforms.

**Outcome:**

* Some part of the paper reading is done and the report is made based on the reading. The research suggests an approach for building trust in social networks that combines a fictional mathematical model and a decision-based strategy.

**References:**

[1] G. Rathee, S. Garg, G. Kaddoum, D. N. K. Jayakody, M. J. Piran and G. Muhammad, "A Trusted Social Network Using Hypothetical Mathematical Model and Decision- Based Scheme," in *IEEE Access*, vol. 9, pp. 4223-4232, 2021, doi: 10.1109/ACCESS.2020.3048077.

**Evaluation of Report  
  
Evaluation by:** [Avani Mundra](mailto:amudra@asu.edu) **Date: Sep 11, 2023**

**Is the weekly member report complete with all the major result(s) of the paper(s)? If not, provide as many examples of the major result(s) missing in the written report as possible. (in bullet form). [within 100 words]**

* Yes, the weekly progress report covers all the major methodologies and results discussed in the paper.
* The report is thorough in highlighting the decision based approach used by the authors to develop a safe social network.

**Is each section of the guidelines sufficiently completed? If not, point out what is missing. [Normally within 40 words].**

Yes, all the sections of the guidelines are sufficiently completed.

**Is the quality of this version of the written report satisfactory? If not, then why not? [Normally within 40 words]**

Yes, the quality of the version is satisfactory.

**Approved by:** [Gautham Vijayaraj](mailto:gvijaya6@asu.edu) **Date: Sep 11, 2023**