<u>**RMPP – Seminar 2 – Preparation – Zihaad Khan**</u>

The following two articles were selected for analysis:

Kumar, K., Liu, J., Lu, Y. H., & Bhattacharya, S. (2013) A survey of computation offloading for mobile systems. *Mobile Networks and Applications* 18(1): 129-140. Available from: https://doi.org/10.1007/s11036-012-0368-0 [Accessed 8 February 2023].

Yousefpour, A., Fung, C., Nguyen, T., Kadiyala, K., Jalali, F., Niakanlahiji, A., Kong, J., & Jue, J. P. (2019) All one needs to know about fog computing and related edge computing paradigms: A complete survey. *Journal of Systems Architecture* 98(1): 289-330. Available from: https://www.sciencedirect.com/science/article/pii/S1383762118306349 [Accessed 8 February 2023].

Question 1 – Response

Regarding the Kumar et al. (2013) article:

The article provides a valuable insight into the emerging area of computation offloading for mobile systems and is a useful resource for researchers and practitioners working in this field.

Regarding the Yousefpour et al. (2019) article:

The article is a useful resource for researchers and practitioners interested in fog computing and related edge computing paradigms. It provides a comprehensive overview of the state-of-the-art research in this field and identifies the key challenges and opportunities for future research.

Question 2 – Response

Both papers use a qualitative research methodology with literature reviews. In the literature reviews, the authors systematically identify, evaluate, and synthesize

existing literature relevant to the research question. They analyse and summarise the information found in the literature to identify trends and patterns. In addition, gaps in literature is also identified that can be addressed through future research.

Question 3 – Response

Yes. Based on the topic of their research and the objectives that they would like to achieve, I believe the most effective way for them to collect and analyse data is by performing literature reviews on past and current papers. As mentioned above, they analyse and summarise the information found in the literature to identify trends and patterns.

Question 4 – Response

Yes, both papers support their claims and conclusions with explicit arguments and evidence derived from the literature review. They have presented a comprehensive analysis in both papers and have supported their conclusions by citing relevant literature and providing explicit arguments based on their analysis.

Question 5 – Response

Reflecting on my response in Question 3, they could possibly incorporate primary research. While literature reviews are valuable, primary research studies can provide more direct evidence to support claims and conclusions. Regarding future work on the papers presented, authors could conduct their own studies or experiments to supplement the existing literature and provide a more comprehensive analysis. Secondly one could expand the scope of the topic. Both papers have focused on

specific topics in mobile systems and fog computing, respectively. Future work could expand the scope of the analysis to include related or intersecting areas to provide a more comprehensive view of the field.