## Log-book on Semester Project Supervised by Ph.D. Tabatabaee Hossein

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## Monday, 4 Oct 2021

- Watched two YouTube videos recommened by Ph.D. Hossein: 1. "An Introduction to Network Calculus" and 2. "RTAS 2021 Presentation (40) Tightening Network Calculus Delay Bounds by Predicting Flow Prolongat"
- Did the note on Network Calculus which be seen from Github repo. (Now the repo is private so a hyperlink cannot be inserted here)

## Tuesday, 5 Oct 2021

- Re-read paper part I, II and III, i.e., Introduction, Related Work and Network Calculus Analyses
- Had a discussion with Ph.D. Hossein and solved my questions which can be seen from the conference records.

## Wednesday, 6 Oct 2021

- Read paper part IV "Flow Prolongation in the NC FIFO Analysis"
- Learned the overview of GNN including GNN working flow, the usage of GNN, the difference between GNN and other NN, the classification of GNN and the mathematical expression of GNN. The note can be seen "GNN Note". I am really sorry that I took the note in Chinese which is faster for me to comprehend.