## **STRP 2 Meeting Minutes** **Graph Database Comparison**

## Jul 08, 2024, | STRP 2 Meeting - Week 5

**Attendees:** Qasim Pasta, Asad Muhammad, Ali Muhammad Asad

**Venue:** Online Teams Meeting

**Written By:** Ali Muhammad Asad

**Meeting Agenda:**

* Discuss benchmarks document, and metrics
* Discuss graph databases finalized
* Discuss next steps
* Discuss GPU / PC access

**Discussion Key points:**

* Revision of selected graph databases according to DB rankings, and graph models only (different sets with regards to popularity)
* Machine / GPU access for better computation performance, and a standard machine for testing
* Experimental design:
  + Dataset, benchmark and queries available
  + Data loading scripts to be run locally using a driver such as python
* Analyzing the 29 queries

**Feedback from Professor:**

* Providing reasoning and justification of the selected databases for our research (eg Neo4J already heavily documented, hence stands as benchmark while we compare newer graph databases)
* Reasoning of mentioned scale factors in literature, and limiting ourselves to a scale factor of within 1
* Local installations of graph databases for standard environment over a standard machine – removing databases functioning on cloud environments only

**Current Tasks Assigned:**

* Revising databases and finding which one’s support GPU
* Setting up databases on our machine
* Creating a basic script for loading data into each database via drivers