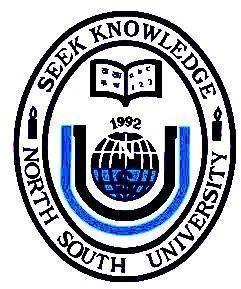
**Department of Electrical and Computer Engineering**

**North South University**



**Junior Design Project CSE299 Project Weekly Update**

# Graph Based ML Model

| **Faculty Advisor : Mohammad Shifat E-Rabbi** |
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# *Week 2 (June 5th, 2025 – June 17, 2025)*

* Initial Research :
  + Exploring what is ML and Graph Based ML using chatGPT to understand its concepts and real life use cases.
  + We were able to learn how Machine Learning works and get some ideas on how a ML project works
    - First we gather the Pre Processed Data
    - Secondly suppose we have 100 sets of data, we split the data in 80 train set,20 test set data
    - We then train our model based on the train data and check if our model is working properly with test data
    - After our model is trained we can use it for real life data
* Explore for learning sources :
  + We looked around YT to find basic graph based ML and ML projects/crash courses
  + We made a simple project for detecting SONAR ROCK MINE to get a basic understanding about ML -
    - Link to the project - <https://colab.research.google.com/drive/1v2JnfHudHZa4SEzBUiV28PTa8Dp1FdA4?usp=sharing>
  + We are currently following two platforms to strengthen theoretical and practical understanding of ML:
    - <https://developers.google.com/machine-learning/crash-course>
    - <https://www.kaggle.com/learn/intro-to-machine-learning>