IT1244 Project Proposal (Sem1, AY2023/24)

The form will take approximately 5 minutes to complete.
You will use this form to submit the project proposal details.
Remember, this is not final, you are allowed to change the dataset later.

1. Choose the dataset that you plan to work on? Note: You can still change the dataset later, this is not the hard deadline to choose the project. *

   ○ Housing Price Dataset [Easy]

   ○ Breast Cancer Dataset [Easy]

   ○ Disaster Dataset [Easy]

   ○ Fraud in Electricity and Gas Consumption Dataset [Medium]

   ◉ Twitter Sentiment [Medium]

   ○ Sentence Sentiment [Medium]

   ○ Movie Review [Challenging]

   ○ DNA Binding Protein [Challenging]

   ○ Financial Table-Text Question Answering Dataset [Challenging]

   ○ Stock Market Dataset [Challenging]

   ○ Clothing Dataset [Medium]

   ○ Brain Tumor Dataset [Challenging]

◯ Spoken Digit Dataset [Challenging]

◯ Cats and Dogs Dataset [Medium]

2. How many members in your team? *

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Team member details:

You should enter the full name of all the team members and the NUS email id starting with "e0...". You can ignore the blank if you have less than 4 members. Example: ALEX MATHEW ANG; e0912345@u.nus.edu. Please DO NOT submit your NUS friendly email.

3. Team member-1

VIKAS HARLANI; e0523376@u.nus.edu

4. Team member-2

KUAN JIAN RONG; e0544002@u.nus.edu

5. Team member-3

NICOLE JOSEPH; e0638896@u.nus.edu

6. Team member-4

IAN WANG EE EN; e0544227@u.nus.edu

Project Details:

7. Machine Learning Task (classification/prediction/clustering/etc.)

8. Tentative work plan for four weeks - e.g., wk1 - Survey, wk2 - problem formulation, wk3 - implementation, wk4 - experiments & report writing. This is tentative, and will not affect the project grading in anyway. This is mainly for you to kickstart your project.

   Week 1: Dataset comprehension and read articles/research papers for ideas
   Week 2: Problem formulation & feature extraction (& visualization)
   Week 3: Implementation of (multiple) models and training
   Week 4: Evaluation of models, report writing and presentation preparation