# EE6350 - Artificial Intelligence

Project Instructions

# Project Instructions

- There should be **MAXIMUM 4 MEMBERS** per group **(only for two groups less than 4 members are allowed)**.
- A project topic can be selected by the group members after the group formation.
- However, this project needs to be conducted under **one or more** themes that have been mentioned in slide 4.
- Once you have finalized your project theme, topic and the dataset, please fill the shared google sheet via the ELMS **on or before 27nd of March 2024** (google sheet will be posted on ELMS soon…).

# ELMS Module Student Self-Enrollment Key

**EE6350_2024**

**All the future communications and evaluations related to the module will be posted/conducted via the new ELMS platform and make sure to enroll as soon as possible!**

# Project Themes

- The project can be conducted under one or more themes mentioned below.
  - ANN
  - CNN
  - RNN
  - LSTM
  - GRU
  - Reinforcement Learning
  - Federated Learning
  - Expert Systems

**As a suggestion it would be interesting to select a baseline (i.e., results from some related research paper) and compare your results with selected baseline.**

**However, new ideas are also welcome!**

# Submission & Evaluation

- You need to use either Google Colab or Jupyter Notebook hosted in your local environments using Anaconda framework in order to implement the project.
- Furthermore, at the submission, you need to submit your IPython Notebook after running the complete implementation. Make sure that all the comments, text descriptions, figures, links, references are visible in the final notebook
- Also make sure to submit the **HTML** file and **PDF** generated for the IPython Notebook along with the notebook in a **.zip file**. Submission instructions will be release in due course.

# Submission & Evaluation

- **Your notebook act as your report as well.** Therefore, please make sure to include all the text descriptions in the same notebook as text fields accordingly. This option is available in both Colab and the Jupyter Notebook environments. So, there is no need of preparing separate report.
- Make sure to **critically analyze your results** and in this case some background study regarding the project will be useful.

# Submission & Evaluation

- The following sections should be included in your notebook.
  - Literature Survey.
  - Dataset Description.
  - Exploratory Data Analysis.
  - Data Preprocessing
  - Model Implementation
  - Model Evaluation and Discussion.
  - Conclusion.
  - References.
- **Please make sure to include relevant text descriptions for each of the fields.**

# Submission & Evaluation

- **Presentation:**
  - This will consist of **10 min presentation followed by 10 min viva**.
  - It is not must to present with slides, other modes of presentations as of your preferences are also welcome (E.g., presenting the notebook itself).
- **Project Submission deadline and presentation day will be informed later!**

# Thank You