

Final Project Submission

Generative AI

Deadline: December 08, 2024

Marks Distribution: 10 (Proposal) + 45 (Code Demo) + 45 (Research Paper)

Plagiarism Policy: All papers will be checked for plagiarism via **Turnitin** software. Any paper exceeding the plagiarism score of 20% and AI score of 30% will be given ZERO Marks in the research paper.

Instructions

Note: There is a grace time of **6 hours after the submission deadline expires**. You must verify that your submissions are correct. Any submission received after this slack time will be considered late and NO marks will be awarded. There should be no comments provided on each line of code. You must provide detailed comments about functions that you create; that is enough to understand the function.

Deliverables:

The following three items must be submitted by all students as one ZIP file. You must name the zip as follows:

RollNo_YourName_GenAI_Project.ZIP

1. **Original Source file**, including all code. The code must comment on the main functions properly
2. **Full Paper in PDF format**. It must be written in Overleaf and use IEEE conference paper format. The paper must describe a detailed description in about 5-6 pages. **You can only use the given IEEE Conference Template.**
3. **Prompts:** In a text file, write the prompt(s) used to generate code from AI tools (if any used for code or report generation)

Objectives

For the project of the Generative AI course, we expect students to perform detailed experiments and present results as a research paper. We are expecting the implementation of Generative AI models related to your problem and also perform a comprehensive comparative analysis. This means, you are implement multiple generative models for your problem and perform comparision. These models should be selected based on the knowledge gained via discussions and your research done during this course. It will test your ability to solve a scientific problem and how you can present the quantitative results.

Paper Requirements

I prepared a sample paper for you and uploaded to the GCR. You must use the IEE Conference Template that I provided for the composition of your paper. You can upload the ZIP and edit it accordingly. This should be used as a guideline which covers most of the sections needed for a research paper.