1. **Group Assessment – Team Project Assignment (35% weightage)**

Team Project assignment is one of the group assessment components which is divided into two sub-components: (1) Project work, and (2) Project presentation. Project work contribute 20% whereas the project presentation 15% to the total score.

* 1. **Project Work – Innovative Cross-Module Project**

In this exciting assignment, each group will unleash their creative thinking and problem-solving skills by proposing an innovative idea that spans at least two out of seven modules they studied in this course. Your task is to identify problem statements within the selected/chosen CC0002 modules and to propose an approach to solve or tackle those problems. This project will not only demonstrate your interdisciplinary thinking but also showcase the practical application of concepts studied in CC0002 in solving real-world challenges. The assignment consists of crafting a comprehensive project proposal by creating an informative digital poster and producing a captivating video to highlight your project’s uniqueness in the AI based digital landscape. Refer to the assignment deliverables and components below for more details.

* 1. **Project Presentation**

Each group to present their project work starting from week 12 and Week 13. Five groups will be presenting their work on week 12 and the remaining five groups will be presenting on week 13. The sequence of your presentation will be announced to you all by your respective instructors. On the presentation day – each group will be given 15 minutes where - in 10 minutes using their digital poster/power point slides, **each member of the team should present their part** they have worked to complete this project. Remaining 5 minutes will be allocated for questions and answers session.

**Project Assignment Deliverables:**

1. Digital poster
2. Five-minute video created using generated AI.
3. Presentation
   1. Using digital poster/power point slides
   2. Question and Answer

**Project Assignment Components (both Project work + Presentation):**

1. Idea Proposal and Problem Statement:
   * As a group, select two modules from the CC0002 course that you believe can be combined to address a meaningful real-world challenge.
   * Identify specific problem statements within these chosen modules that your project aims to solve or answer.
   * Present a concise proposal outlining your idea, including how it relates to both modules and why it’s worth pursuing.
2. Detailed Design Approach:

* Explain the data sources that will fuel your project, detailing their relevance to each module and the overall problem.
* Elaborate on the analysis methods and approaches you intend to employ. Compare the novelty of your approach with existing solutions.
* Discuss how your innovative fusion of concepts from the two modules contributes to a more holistic solution.
* Your design approach should be backed up with proper review of research work or journal articles.

1. Outcome and Future Possibilities:
   * Clearly define the anticipated outcome of your design approach. Will it answer or solve the identified problem statements?
   * Reflect on the potential impact of your project in addressing the challenges at hand using CC0002 concepts.
   * Envision and describe possible future directions for your project, such as extensions, improvements, or applications in related domains.
2. Poster Creation and Presentation:
   * Create a visually appealing digital poster of size A0 or A1 (Portrait/Landscape) that concisely summarizes your project.
   * Include above mentioned 3 sections that introduce the problem statements, outline your approach, highlight key findings, and provide a glimpse of future possibilities.
   * Utilize visuals, diagrams, and infographics to make your poster engaging and easy to understand.
   * Your group will be presenting this created poster either using the poster or power point slides **in ten minutes** during the presentation slot allocated either in week 12 or week 13.
   * Samples of posters will be uploaded in NTULearn for your reference.
3. Video Creation:
   * Develop a dynamic 4 – 5 minutes **video** using any generative AI tools of your choice that effectively communicates your project’s essence and value.
   * Begin with a captivating introduction that hooks the audience and emphasizes the significance of your project design approach in the AI-driven digital world.
   * Provide an overview of the problem statements, showcasing your interdisciplinary approach.
   * Explain the data-driven and AI-powered (if any) components of your design approach, taken to obtain solution to the problem statements, by highlighting the novel aspects of your project compared to existing ones.
   * Conclude with a forward-looking segment that discusses the broader implications and potential future applications of your project.
   * Samples of videos will be uploaded in NTULearn for your reference.
4. Submission Guidelines:

* Submit your detailed project proposal poster in a digital format, and a link to your video. No report submission is required, only the poster and video developed must be submitted before the deadline.

**Deadline to submit poster + video of your project work is on** **Sunday 7th, April, 11:59pm (before the presentation).**

* Make sure to acknowledge any external resources used and provide references where necessary.
* Your project will be evaluated based on the originality and feasibility of your idea, the clarity of your design approach, the effectiveness of your poster and the use of generative AI tools for video creation and creativity of your video.

Through this assignment, you will not only showcase your expertise in multiple modules but also illustrate your ability to synthesize knowledge from different areas to develop innovative ideas and approach to solve a real-world problem. Your work will stand as a testament to the power of AI-driven problem-solving in today’s digital age.