

## **CIPD Project: Understanding Research Gaps in Cognition and Information Processing in Design**

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**Max Marks:** 35

**Project Submission Date:** 15 April 2024

**Project Presentation Date:** TBD

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The objective of this project is to identify the gaps in existing research at the intersection of Cognitive Science, Information Processing and User Interface Design. To achieve this objective, follow the instructions:

1. The following are the broad topics covered in this course: Attention, Memory, Visual Perception, Auditory Perception, Human Error. Choose a topic of your choice from this list. You are free to choose sub-topics within these broad topics.
2. Select a min. of 25 papers published in the last 10 years in the domain of the chosen topic. The majority of these papers should focus on the design implications **(5 marks)**.
3. Present a review of literature based on these papers **(10 marks)**.
4. Summarize this review using Reference Model (Ref: Blessing, Lucienne TM, and Amaresh Chakrabarti. *DRM: A Design Research Methodology*. Springer London, 2009.) **(5 marks)**
5. Using this reference model, present the identified research gaps **(5 marks)**.
6. Submit your work as a presentation with 20 slides max. Write a detailed report to answer the above questions **(10 marks)**.
7. Also include the bibliography in the report.

**Note:** This is a group project with a maximum group size of 3. You are free to create your groups.