CS F407 – Artificial Intelligence

Project Phase-1: State-of-the-Art Study on Search Algorithms

This phase of the project surveys scholarly articles and books relevant to a particular area in which you are going to code and implement your model/design/work of the project in phase 2**.** The survey/study REPORT should enumerate, describe, summarize, and clarify the previous research in this area; it should identify the research gaps and thereby enable you to set the objectives for your project phase-II and its possible outcomes. The REPORT should give a theoretical base for the project and help you and your team to determine the nature of the project and its domain of application.

Phase -1 Deliverables/Outcomes: Study Report

IMPORTANT DATES (Phase 1)

Start Date: 11 SEP 2023;
End Date: 29 SEP 2023
Reporting Tentative Title, Team members & Leader - 13 SEP 2023
Request for Precheck of Plagiarism (Optional)   - 5:00pm; 30 SEP 2023
Return of Precheck Results by TAs   - 5:00pm; 02 OCT 2023

Recommended Submission Date   - Before 5:00pm, 04 OCT 2023 (deadline)
Late Submissions with penalty 1 mark   – Until 5:00pm, 05 OCT 2023
Final call-Submission (Penalty 3 marks) - 5:00pm, 07 OCT 2023.   (No Makeups or Extensions)

Study Report has 3 Chapters/Sections

- Chapter 1 – Introduction to Project   [At least 2 Pages]
- Chapter 2 – Literature Survey   --
- Chapter 3 – Conclusion and Plan of work (Timeline/Gantt chart) [2 Pages]

FONT SIZE -12; Times new roman; The text alignment should be justified and Single line spacing is to be followed.

REPORT EVALUATION RUBRICS: (R1 – R3) TOTAL 20 marks; **10% Weightage**

R1 [08 marks] - No. of papers Surveyed & presented in the literature survey section (Chap. 2)
Each paper should have atleast 10 lines of description in the Literature.
If a team has only 1 member, then each paper carries 1.25 marks
If a team has 2 members, then each paper carries 0.50 marks.
If a team has greater than two members, then each paper carries 0.25 marks.
** (If R3 is lesser than 4 marks then R1 will be lesser than 3 marks)

R2 [2 marks] – Chap 1 & 3 along with Bibliography.
References, and their citation in text should be of a consistent format.
Eg. APA, Chicago, IEEE etc. Use google scholar, citation managers etc.

R3 [10 marks] – Plagiarism*
(<20% similarity - 10 marks; 21-30% - 8 marks; 31-40% - 6 marks; 41-50% - 4 marks; >50% 2marks)
*Plagiarism check includes Definitions, equations, quotes and Bibliography.

To do:
- Decide on TITLE** and team members (**ATMOST** 4 members; 2 or 3 is recommended) before 13-Sep-2023.
- Refer to https://www.youtube.com/watch?v=jQ1AxaiZNzY&t=757s on how to start and prepare a Literature Survey.
- Suggestions on choice of TITLE will be discussed in Class

**Note: Works involving NLP or Deep Learning approaches will not be encouraged.