CSE 5092 Research

Due: Final Exam Date by 23:59
Description: Perform a critical survey of a topic related to your thesis.

The survey should be comprehensive, organized overview of the state-of-art. It should show an understanding of the broad challenges as well as specific problems in the area. Critical thinking is important in developing a good survey. A critical survey often offsets one research against others, in addition to providing a summary of the main contributions, results (performance figures etc.). The survey should compare and analyze the performance of the techniques and their overheads (e.g. complexity) in using them. Your assessment should discuss their strengths and weaknesses. It should examine whether the claims have been over or under estimated and offer reasons. Has the evaluation been made on distinct test sets? You may also be able to classify the techniques and summarize the classification in a tabular form.

You must also have substantial commentary on the ethical questions that arise in the area of research related to the topic chosen.

Text must not be copied from sources (except for small quotes which should appear within " "). Sources of all material must be cited. The review should be similar to a journal article in its rigor and format. The format of the bibliography should follow the IEEE style in punctuation and content.

Please start early as several iterations are needed to get to the desired standards.

Resources - internet, research databases (Akdeniz Library web site, IEEE Explore, Google Scholar, physical paper articles in libraries)

Deliverables:

1. Term paper
    - Survey using at least 12 articles
    - Between 5 and 10 pages
    - Two-column, IEEE format
2. Slide presentation - Set of slides to be presented to the group
3. Live presentation - 20 - 30 minute presentation on your paper

Acceptable formats:

1. Item 1 should be a LaTeX file shared with me on overleaf.
2. Item 2 should be a shared with me through the assignment on MS Teams and shown during your presentation.
3. Item 3 will be presented live at a date to be determined.