

Assessment2

Coursework: Systematic Literature Review Report (*50% of Total Grade*)

Deadline for submission: 16th April 2025, Wednesday, 12pm (noon)

Objective: To conduct a systematic literature review on a specific topic within Computational Linguistics and NLP, critically analyzing and synthesizing existing research to identify trends, gaps, and future directions.

Learning Outcome: This assessment encourages you to develop critical thinking, analytical skills, and an in-depth understanding of a specific area within Computational Linguistics and NLP. It also helps you to refine their academic writing and research skills, essential for their future academic and professional pursuits in the field.

Duration: This is a term-long project with milestone submissions to ensure consistent progress.

Components:

1. Topic Selection and Proposal (10% of coursework grade)

- Students select a niche topic within Computational Linguistics and NLP.
- Submit a proposal that outlines the scope, objectives, and methodology of the review.
- Suggestive Topics have been given but you can make an independent choice.

2. Methodology (10% of coursework grade)

- Outline the methods used for identifying, selecting, and analyzing relevant literature.
- Include criteria for inclusion and exclusion of sources, search strategies, and tools used for organization and analysis.

3. Literature Review Process and Summary (20% of coursework grade)

- Document the search and selection process, providing a summary of the number of sources identified, screened, and included.
- Provide a comprehensive summary of the literature, categorizing studies by themes or methods as appropriate.

4. Critical Analysis and Synthesis (30% of coursework grade)

- Critically analyze the findings from the literature, identifying key trends, strengths, and weaknesses in the existing research.
- Synthesize the information to highlight gaps in the current knowledge and suggest potential areas for future research.
- Discuss the implications of the findings for the field of Computational Linguistics and NLP.

5. Final Research Paper (30% of coursework grade)

- Compile a detailed and coherent paper that includes the proposal, methodology, literature summary, critical analysis, and synthesis.
- Ensure the paper is well-structured, with clear introductions, logical flow, conclusions, and properly cited references.

Systematic literature Review: Fortnightly Checkpoints

1. Week 1-2: Introduction and Topic Selection

- Write an introduction section (1-2 pages) and select your topic.
- Focus on the background and relevance of your chosen topic in Computational Linguistics and NLP.

2. Week 3-4: Research Proposal

- Draft a research proposal (3-4 pages) outlining objectives and methodology.
- Include initial research questions and a brief methodological approach.

3. Week 5-6: Methodology and Literature Search Strategy

- Develop a detailed methodology section (2-3 pages).
- Describe your search strategy for literature, including databases and keywords.

4. Week 7-8: Literature Screening and Selection

- Document your screening and selection process (2-3 pages).
- Justify the inclusion and exclusion of sources.

5. Week 9-10: Literature Review and Analysis

- Write the literature review (4-5 pages), summarizing and analyzing key findings.
- Categorize the literature based on themes or methods.

Submission:

- Each student will submit a .doc /.docx file on VLE
- The deadline for submission is 28th April 2025, Monday, 12pm (noon)

Assessment Criteria

- **Relevance and Originality:** The significance and originality of the chosen topic within Computational Linguistics and NLP.
- **Methodological Rigor:** The robustness and appropriateness of the methodology employed for the literature review.
- **Depth of Analysis:** The thoroughness and depth of the literature analysis and the ability to critically evaluate and synthesize findings.
- **Quality of Writing and Presentation:** Clarity, coherence, and academic rigor in writing and presentation of the report.
- **Contribution to the Field:** The ability to identify gaps and suggest future research directions, contributing to the advancement of knowledge in the field.