

## Assessment2

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

**Deadline for submission: 16<sup>th</sup> 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 28<sup>th</sup> 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.