

24RM801 Research Methodology for Engineering

Assignment 3: Structured Literature Survey in Your Research Domain

Tasks:

1. Identify 3-5 key concepts central to your research question
2. Create a concept map showing the relationships between these concepts
3. Generate a list of 10-15 relevant keywords and search terms
4. Document your search strategy across several different academic databases
5. Collect and organize 20-25 highly relevant sources (journal articles, books, conference proceedings)
6. For each source, provide:
 - Complete citation
 - Brief summary (200-250 words)
 - Evaluation of reliability using established criteria
 - Explanation of specific relevance to your research
7. Synthesize findings into a 2000-2500 word literature review that:
 - Identifies major themes and patterns
 - Highlights methodological approaches in your field
 - Pinpoint research gaps your work aims to address
 - Situate your proposed research within the existing body of knowledge

Submission Link:

<https://docs.google.com/forms/d/e/1FAIpQLSfpDuUZiMOkOsOOkRZ5Ikw0iR6BPHL3r8Q-O8oOQz1xdPsv1g/viewform?usp=sharing>