0232-302: Technical Writing and Presentation

Course Outcomes and Weekly Lecture Plan

Course Learning Outcomes (CLOs)

- CLO1: Identify and select relevant research papers from reliable academic sources.
- CLO2: Use appropriate technical writing tools (LaTeX, citation tools) for academic writing.
- CLO3: Analyze, summarize, and present research papers effectively.
- CLO4: Apply proper citation techniques and avoid plagiarism in academic writing.
- CLO5: Prepare a complete technical/review paper following standard academic structure And present the paper with proper presentation slide.

Weekly Lecture Plan

Week	Topic	Lecture Focus	Teaching-Learning Strategy	Assessment / CLO
1	Finding a Paper of Interest	Academic databases, paper selection criteria	Demonstration, Q/A	CLO1, CLO2
2	Reading a Review Paper	Paper structure and critical reading	Lecture, Demo, Assignment	CLO1–CLO3
3	Writing Tool Introduction (LaTeX)	Why LaTeX, basic structure	Lecture, Demo, Q/A	CLO2, CLO3
4	Writing Tool Introduction (LaTeX)	Sections, figures, tables	Lecture, Demo, Quiz	CLO2, CLO3
5	Writing Tool Practice	Hands-on LaTeX writing	Demo, Q/A	CLO2, CLO3
6	Drawing Figures & Tables	Effective visual representation	Lecture, Group Work	CLO2, CLO3, CLO5
7	Citation & Plagiarism	Ethics, referencing styles	Lecture, Demo, Presentation	CLO2–CLO4

8	Writing Paper Summary	Short summary writing	Demo, Group Work	CLO2–CLO5
9	Writing Paper Summary	Refining summaries	Demo, Presentation	CLO2–CLO5
10	Writing Paper Summary	Academic language & clarity	Lecture, Presentation	CLO3
11	Writing Paper Summary	Final summary submission	Lecture, Presentation	CLO3
12	Creating Review Paper (LaTeX)	Structure of review paper	Lecture, Demo, Quiz	CLO2–CLO5
13	Creating Review Paper (LaTeX)	Writing & referencing	Lecture, Demo, Quiz	CLO2–CLO5
14	Final Paper Preparation	Formatting & polishing	Lecture, Presentation	CLO2–CLO5
15	Final Paper Submission	Presentation & evaluation	Presentation, Quiz	CLO2–CLO5