

AI Usage Declaration

I/we declare that Artificial Intelligence (AI) tools were used **only to a limited extent (approximately 20–30%)** in this submission. AI assistance was restricted to code refinement, debugging support, documentation improvement, or conceptual clarification.

All analytical reasoning, algorithmic design, modeling decisions, logical interpretation, and creative problem-solving are entirely my/our own work.

I/we acknowledge that excessive, undeclared, or unethical use of AI tools constitutes academic misconduct and may result in penalties as per university policy.

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Course Code: CS-818

Assignment / Lab / Project Title: Assignment 01

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