

Sprint	Day	Impediments	Action Taken
Sprint 1	Day 1	None	Analyzed project requirements and explored AST-based code parsing approach
Sprint 1	Day 2	Difficulty understanding AST node traversal for Python code	Reviewed Python AST documentation and tested sample code parsing
Sprint 1	Day 3	Handling unused imports and unreachable code detection	Implemented rule-based checks using AST and validated with sample programs
Sprint 1	Day 4	PEP8 style violations not detected consistently	Integrated PEP8 guidelines and improved style-checking logic
Sprint 1	Day 5	Difficulty in identifying a suitable model for code analysis and optimization tasks	Identified and integrated the Qwen model from Hugging Face for improved coding-related suggestions