

## Study Selection Criteria

Inclusion	Exclusion
Studies focus on AI AND sustainability AND SDLC (2025 to 2020)	Studies that do not focus on sustainability, software engineering, and only focus on AI.
Studies focus on AI impacts in Software engineering	Studies that focus only on hardware
Studies focus on AI energy usage in the software development context.	Studies focus only on sustainability without mentioning AI or software engineering
AI use cases related to software engineering.	Studies focus on Software Engineering for AI
Studies focus on AI sustainability and AI energy consumptions	Studies focus on AI tool comparisons
Journals,Conference,Articles which Peer reviewed ,scholarly	Articles not in English