Lecture - 1

Gemini Code Assist Course

→ Quick Demo: Gemini Code Assist Extension in VSCode
→ Why Gemini Code Assist
→ Common developer challenges
→ What is Gemini Code Assist ?
→ How it works
→ Editions

Why Gemini Code Assist ?

→ Developer tools evolved:

Text Editor

→

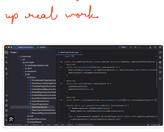
IDEs

→

AI Powered Collaborators

→ It's not just about lots of code...
Its dealing with micro-services, APIs, framework changes, complex requirements, etc

→ Gemini Code Assist acts as a partner inside your IDE, reducing context switching and speeding up real work

Gemini + 

Common Developer challenges -

→ Understand complex systems as a whole

→ Most tasks are repetitive <Boilerplate code, configs, setting up testing frameworks, etc>

→ Speed vs Quality → Deadlines push devs to skip documentation, tests, refactoring → Lots of backlog (Technical debt)

What is Gemini Code Assist ? Gemini

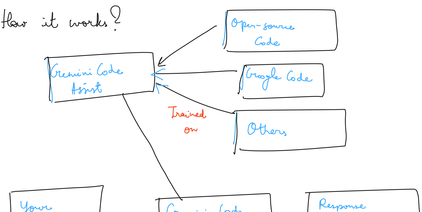
→ An assistant by Google, powered by Gemini, built specifically for code
→ Helps understand complex systems and helps with repetitive tasks
→ Works directly in IDE ; minimizing distraction

Gemini

IDE (Vscode, JetBrains, etc) CLI

→ Can generate full functions/ classes from comments
→ Refactor code
→ tests
→ Explain code
→ Context-aware Chat panel - Ask questions in editor
→ Smart Actions Menu
→ Agent mode - Build multi-file, project-wide changes

How it works ?



Editions -

→ Individual ✓ ✓
→ Standard (Paid) (Small teams)
→ Enterprise (Paid) (Large orgs)

Gemini → AI Teammate