

AWS Kiro Workshop (May 2026)

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Target audience:

- Teachers, TAs (programming class), research colleagues, and RAs
- Frontend/Backend/Full-stack Developers/ Software Engineers/ DevOps & Infrastructure Engineers , Experience with IDEs (VS Code, JetBrains, Visual Studio, is preferred

Prerequisites:

- Laptop (with admin right to download software)
- Experience with IDEs (VS Code, JetBrains, Visual Studio, etc.)

Date and Time:

- 21 May 2026 (Thu), 9:30 – 12:30

Venue:

- Room 103, Pi Chiu Building

Workshop Agenda:

- **Environment Setup (Setup)**
 - Check-in; verify Kiro IDE pre-installed; confirm AWS account access
- **Session 1: Kiro Introduction & AI Model Benchmark (Presentation)**
 - Overview of Kiro's agentic AI architecture; key features walkthrough; AI model choices , benchmark comparisons vs. other AI IDEs; live demo of the IDE interface
- **Session 2: Vibe Coding (Hands-on)**
 - Explain vibe coding concept & demo; Hands-on trial; Participants build a full-stack app using natural language prompts; Showcase & Discussion
- **Session 3: Steering (Hands-on)**
 - Explain project-level guidance & architectural rules; Hands-on trial; Define and enforce coding standards, project conventions, and AI behavioral rules; Best practices & discussion
- **Session 4: MCP Integration (Hands-on)**
 - Model Context Protocol overview & architecture & Demo; Connect an external data source live; Hands-on trial; Participants configure MCP servers to extend AI capabilities with external tools/data
- **Session 5: Spec-Driven Development (Hands-on / Demo)**
 - Structured AI workflow concept – Plan → Design → Implement; Guided Demo; Walk through a complex feature build using specs, design docs, and task lists; Discussion: When to use spec-driven vs. vibe coding
- **Q&A & Wrap-up (Interactive)**
 - Open Q&A; share resources & next steps; feedback survey; certificate of completion (if applicable)

Registration:

- <https://webapp.itsc.cuhk.edu.hk/ras/restricted/event?id=111473>

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