

## Accelerating and Improving Coding with Assistive AI

Unlock measurable productivity gains by embedding assistive AI into your development workflow. Using industry-leading tools such as GitHub Copilot and ChatGPT, teams reduce manual effort, improve code quality and accelerate delivery without disrupting existing processes.

### Why AI-Assisted Coding?

AI-assisted development helps teams work faster and smarter by eliminating repetitive tasks and enhancing code consistency and quality.

- Accelerate code completion and debugging cycles
- Reduce manual coding and rework
- Improve software quality and consistency
- Modernize development and testing practices

### AI Coding Quick Wins

Teams see immediate value by applying AI to high-impact, repeatable development tasks.

#### Code Generation

- Generate boilerplate code for APIs, data models and test scaffolding.

#### Documentation

- Automatically create clear, plain-language inline comments and explanations.

#### Refactoring

- Improve structure, modernize legacy patterns and enhance performance.

#### Knowledge Acceleration

- Instantly explain code, libraries and logic to reduce ramp-up time.

### Delivery Approach

Our accelerator embeds AI directly into existing workflows through guided training and applied practice — timing is 4 to 6 weeks.

1

#### Foundation

AI literacy workshop, tool setup and usage guidelines

2

#### Skill Development

Prompt design mastery and hands-on exercises

3

#### Applied Implementation

Supervised pilot projects with real work

4

#### Ongoing Support

Coaching, audits and community of practice

### Measured Impact

#### User Case

Utilized GitHub Copilot on software development task to assess AI strengths, limitations, and impact across diverse coding tasks (such as scaffolding and logic outlines) and setups, all with human-in-the-loop oversight.

#### Value

- **Efficiency Gains:** AI-assisted development reduced effort by ~26%, with up to 70% time savings on some tasks.
- **High-impact Tasks:** Copilot excelled at generating boilerplate, refactoring logic, scaffolding, and flagging redundant code.
- **Contribution vs. Overhead:** Developers reported Copilot contributed up to 80% of code for repetitive tasks and scaffolding.
- **Developer Experience:** Improved confidence, faster prototyping, and reduced manual coding effort.

Connect with us today. Reach out to [ai@eimage.com](mailto:ai@eimage.com) to kick off your planning conversation today.