



AcademiaXcel

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AI-POWERED UI/UX DESIGN PRO

3-Month Live Cohort-Based Training | Beginner to Advanced

Start from Zero. Learn UI/UX with AI. Build Professional Design Skills.

A hands-on, mentor-led programme for students, freshers, working professionals, career changers and entrepreneurs. No prior design or coding experience required. Learn traditional UX fundamentals and use AI responsibly to accelerate research, ideation, interface design, content, prototyping and handoff.

PROGRAMME AT A GLANCE

Duration: 12 weeks / 3 months | **Format:** Live cohort sessions, guided labs, peer critiques and mentor reviews.

Core stack: Figma, FigJam, advanced design systems, Material UI (MUI), AI-assisted UX tools and accessible design.

Portfolio outputs: UX research artefacts, responsive UI screens, a reusable token-driven design system, an MUI-aligned product dashboard and an AI-assisted capstone case study.

AI approach: Learn to prompt, critique, verify, refine and document AI outputs rather than treating generated work as validated research.

AI TOOLKIT COVERED

Research & synthesis: ChatGPT, Claude, Gemini, Dovetail AI features (where available). **Ideation & UI:** Figma AI features, FigJam AI, Uizard, Galileo AI (subject to availability), Google Stitch. **Wireframes & prototypes:** Visily, Framer AI, v0. **UX writing:** ChatGPT, Claude. **Assets:** Adobe Firefly. **Developer collaboration:** MUI documentation, GitHub Copilot concepts and AI-assisted handoff.

Tool availability, paid subscriptions and feature access may change. Equivalent tools or free alternatives may be demonstrated.

MONTH 1 | UX FOUNDATIONS + AI-ASSISTED DESIGN

WEEK 01 | UX fundamentals, design thinking and AI literacy

- UI vs UX, product thinking, design process, usability heuristics and user-centred design.
- Prompt structure, AI strengths/limitations, hallucinations, privacy, consent and bias.

AI-assisted workflow: Generate alternative hypotheses and critique an app experience; verify every claim.

Hands-on: Evaluate a familiar app with and without AI assistance.

Deliverable: UX audit, opportunity map and prompt journal.

WEEK 02 | UX research, discovery and AI synthesis

- Research plans, interview guides, surveys, desk research and competitive analysis.
- Personas, JTBD, affinity mapping and evidence-backed problem statements.

AI-assisted workflow: Draft interview questions and cluster anonymised research notes using ChatGPT/Claude or Dovetail features.

Hands-on: Conduct interviews and compare human synthesis with AI-generated themes.

Deliverable: Research plan, interview notes, insight board and persona.

WEEK 03 | Information architecture and AI-powered ideation

- Sitemaps, navigation, card sorting, task flows, journeys and low-fidelity wireframes.
- Microcopy, edge cases, empty states and error prevention.

AI-assisted workflow: Explore navigation structures and multiple flows with AI; challenge assumptions.

Hands-on: Create an end-to-end task flow and low-fidelity screens.

Deliverable: Sitemap, user journey, user flows and wireframes.

WEEK 04 | Figma foundations and generative UI exploration

- Frames, grids, typography, colour, auto layout, constraints and prototypes.
- Visual hierarchy, responsive foundations and design critique.

AI-assisted workflow: Try Figma AI, Uizard, Visily or Stitch for concept generation; rebuild and improve manually.

Hands-on: Design mobile and desktop versions of a product feature.

Deliverable: First high-fidelity screens, clickable prototype and AI iteration log.

MONTH 2 | ADVANCED FIGMA + ENTERPRISE DESIGN SYSTEMS

WEEK 05 | Advanced Figma, responsive patterns and AI workflows

- Auto layout, component properties, variants, nested components, interactive states and variables.
- Responsive grids, form patterns, tables, dialogs and multi-device layouts.

AI-assisted workflow: Generate component inventories, edge-case checklists and critique prompts.

Hands-on: Build a scalable component library and responsive screens.

Deliverable: Reusable Figma components and responsive interface set.

WEEK 06 | Usability testing, accessibility and AI evaluation

- Test plans, participant tasks, heuristic evaluation, iteration and severity ranking.
- WCAG 2.2 AA principles: contrast, keyboard use, focus, labels, semantics and error states.

AI-assisted workflow: Use AI to draft test scripts and summarize anonymised findings; validate against actual observations.

Hands-on: Run moderated usability sessions and perform accessibility checks.

Deliverable: Usability report, accessibility audit and improved prototype.

WEEK 07 | Design systems I: tokens and architecture

- Design system foundations, governance, naming, documentation and contribution models.
- Primitive, semantic and component tokens for colour, type, spacing, radius and elevation.

AI-assisted workflow: Use AI to propose token taxonomies, documentation drafts and consistency checks.

Hands-on: Create token architecture and light/dark themes using Figma variables.

Deliverable: Token specification, foundation library and theme mapping.

WEEK 08 | Design systems II: enterprise components and governance

- Advanced variants, component states, data-heavy patterns, tables, filters, wizards and notifications.
- Accessibility specifications, versioning, adoption metrics, change logs and design QA.

AI-assisted workflow: Generate edge-case matrices and component usage guidance; review manually.

Hands-on: Publish a documented enterprise component library.

Deliverable: Design system with 15+ reusable component families and governance guide.

MONTH 3 | MUI + AI-ASSISTED PRODUCT DELIVERY

WEEK 09 | Material UI (MUI) and design-to-code alignment

- Material Design principles, MUI component anatomy, states, responsive behaviour and accessibility.
- Mapping Figma variables and tokens to MUI theme concepts, typography, palette and spacing.

AI-assisted workflow: Use AI to explain MUI component APIs and draft example mappings; verify with official docs.

Hands-on: Design an MUI-aligned interface and compare it to actual component behaviour.

Deliverable: MUI-aligned dashboard UI, token-to-theme mapping and handoff notes.

WEEK 10 | AI-powered prototyping and product dashboards

- Complex dashboards, analytics visualisation, data tables, filters, empty/loading/error states.
- Interaction patterns, realistic prototype flows, usability and responsible synthetic data.

AI-assisted workflow: Explore v0, Framer AI or Stitch to prototype concepts; inspect generated accessibility and interaction quality.

Hands-on: Prototype an enterprise SaaS dashboard with realistic states.

Deliverable: Interactive dashboard, annotated flow and design QA checklist.

WEEK 11 | Capstone sprint: end-to-end AI-assisted UX project

- Discovery, scope definition, research, IA, wireframes, UI, design system and testing.
- Human review checkpoints, traceability of AI-assisted decisions and stakeholder storytelling.

AI-assisted workflow: Use AI at each stage while documenting inputs, edits, evidence and rejected suggestions.

Hands-on: Complete a mentored product design sprint with critique rounds.

Deliverable: Full case study draft, prototype and supporting design artefacts.

WEEK 12 | Portfolio, presentations and career readiness

- Case-study structure, rationale, trade-offs, storytelling and portfolio presentation.
- Resume and interview preparation, design critiques, collaboration and design handoff.

AI-assisted workflow: Use AI to improve clarity of writing and practise interview questions without inventing outcomes.

Hands-on: Present final capstone and respond to mentor/peer feedback.

Deliverable: Portfolio-ready case study, presentation deck and career action plan.

COHORT EXPERIENCE & ASSESSMENT

Live learning: Mentor-led demonstrations, weekly studio labs, collaborative exercises, peer reviews and Q&A.

Progress checks: Weekly submissions, feedback rounds, milestone reviews at the end of each month and a final capstone presentation.

Evaluation: UX reasoning, research quality, visual execution, accessibility, system consistency, responsible AI use and communication.

Outcome: Learners develop practical, portfolio-ready skills and an understanding of how to combine AI with rigorous human-centred design.

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