

**TRAINING TRAINS**

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IT Services and IT Consultancy \ Internship-Inplant Training \ Software Training Institute

உங்கள் கடை மற்றும் வியாபாரத்திற்கு ஏற்ற **Website & Andriod App** மற்றும் **Software** மிகச்சிறந்த முறையில் செய்து கொடுக்கப்படும்.

Expertise : **AI, Machine Learning & Data Science \ Cybersecurity & Ethical Hacking**
IoT, Blockchain & Cloud Computing \ Full Stack Web & Mobile Development
Digital Marketing & SEO

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UI/UX Design – 100+ Lab Exercises (Basic, Intermediate, Advanced)

□ Basic Level (30+ Exercises)

Objective: Build foundational skills in user experience principles, design thinking, and essential UI tools.

Introduction to UI/UX Design

- Understand difference between UI and UX.
- Study basic human-computer interaction principles.
- Explore design thinking methodology.
- Conduct user research and persona creation.
- Practice wireframing with pen and paper.

Visual Design Fundamentals

- Learn color theory and typography basics.
- Create mood boards and style guides.
- Explore layout principles and grids.
- Design simple static screens for mobile and web.
- Practice accessibility basics (contrast, font size).

Design Tools

- Get hands-on with Figma/Adobe XD/Sketch basics.
 - Create wireframes and simple prototypes.
 - Use components and reusable styles.
 - Export assets and handoff designs.
 - Collaborate using design tools' sharing features.
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□ Intermediate Level (40+ Exercises)

Objective: Advance proficiency in prototyping, usability testing, and UI animations.



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Prototyping & Interaction Design

- Build interactive prototypes with Figma/Adobe XD.
- Design navigation flows and user journeys.
- Use micro-interactions and animations.
- Implement responsive design principles.
- Create UI kits and design systems.

Usability & Testing

- Plan and conduct usability testing sessions.
- Analyze user feedback and behavior analytics.
- Perform A/B testing for design variations.
- Use tools like Hotjar or Google Analytics.
- Iterate designs based on testing insights.

Collaboration & Development Handoff

- Work with developers using Zeplin or Figma Inspect.
- Document design specifications and style guides.
- Manage version control in design systems.
- Communicate design rationale to stakeholders.
- Optimize designs for performance and scalability.

□ Advanced Level (40+ Exercises)

Objective: Master user psychology, advanced UX strategies, and design leadership.

Advanced UX Strategies

- Conduct advanced user journey mapping.
- Apply cognitive psychology to UX design.
- Design for inclusivity and diverse user groups.
- Develop content strategy and information architecture.
- Use AI and machine learning in UX personalization.

Visual & Motion Design Mastery

- Create advanced animations using Principle or After Effects.
- Design brand identity and visual storytelling.



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- Work with 3D and AR/VR UI concepts.
- Implement advanced accessibility compliance (WCAG 2.1+).
- Optimize for multi-platform and cross-device consistency.

Design Leadership & Innovation

- Lead design sprints and workshops.
- Develop and maintain design systems at scale.
- Mentor junior designers and foster creative culture.
- Measure design impact with KPIs and ROI.
- Drive innovation with emerging UX technologies.

Capstone Projects

- Design a mobile app with end-to-end user flow.
- Create a responsive e-commerce website prototype.
- Conduct a full usability study and redesign.
- Develop a multi-platform design system.
- Innovate a new interaction model using AI or AR.

□ Tools & Technologies

- Figma, Adobe XD, Sketch, InVision
- Principle, After Effects, Lottie
- Zeplin, Abstract, Storybook
- Hotjar, Google Analytics, UserTesting