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# Designing and Developing Products with AI

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## Course No. 532

AI (artificial Intelligence) is important because it transforms how we live, work, and solve problems. AI is transforming the way products are conceived, designed, and delivered.

## Course Benefits

This AI course empowers product managers, designers, engineers, and innovators to harness AI throughout the product development lifecycle- from ideation and design to prototyping, testing, and launch. Participants will learn practical methods and tools to create AI-enabled products and leverage AI as a co-creator in innovation.

## Prerequisites

None

## Duration

Three Days (21 hours)

## Learning Objectives

At the end of this course, attendees will be able to:

1. Apply AI tools to accelerate product design and development
2. Understand how AI supports ideation, prototyping, and user-centered design
3. Integrate AI-driven insights into product roadmaps and decision-making
4. Use Generative AI for product concept visualization and testing
5. Identify risks, governance, and ethical considerations in AI-enabled product design
6. Build strategies to scale AI-driven innovation across the organization

## Topics Covered:

- Introduction
- AI in Product Innovation
  - AI trends reshaping product development
  - Case studies of AI-enabled products
- Designing with AI
  - Generative AI for ideation and concept design
  - AI in UX/UI and customer experience
  - Human-AI co-creation methods
- Developing AI-Enabled Products
  - AI for rapid prototyping and digital twins
  - AI-powered simulations and testing
  - Integrating AI into product features and functions
- Product Roadmaps & Market Fit
  - Using AI for customer insights and demand forecasting



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- AI in agile product management
- Aligning AI innovation with business strategy
- Responsible AI in Product Design
  - Ethics, bias, and transparency in AI-enabled products
  - Risk management and regulatory considerations
- Scaling AI-Driven Innovation
  - Building an AI-powered product pipeline
  - Cross-functional collaboration and leadership
  - Metrics for measuring AI-enabled product success

### **Who Should Attend?**

This course is ideal for product managers and product development teams, R&D, innovation, and engineering professionals, UX/UI designers and digital product creators, or entrepreneurs and business leaders driving AI-powered innovation.

### **Instructor**

The instructor is a professional with 10+ years of AI experience.

### **For More Information:**

Contact Training administrator: [Training@qpsinc.com](mailto:Training@qpsinc.com) , Telephone: (508) 786-0777