

# ***Mastering Lean Product Development***

## ***A Practical Overview (1-Day)***

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### ***Masterclass Outline***

The objective of this masterclass is to provide a broad overview of Lean Product Development, from the earliest stages of business case development through to product launch. The topics are covered at a high level, with emphasis on the benefits gained from each tool or method.

#### **I. Introduction**

- Introduction to Lean Product Development
- Foundations for a Lean Development Process

#### **II. The “Event-Driven” LPD Process**

- What are “Events”
- An Event-Driven Framework for the Development Process
- A Practical Approach to Knowledge-based Development

#### **III. Topics in Lean Product Development**

- i) Project Prioritization and Resource Capacity Management
  - The A3 Business Case Brief
  - Prioritization methods for a multi-project portfolio
  - Arbitration of Resource Conflicts
  - Effective management of finite development capacity
- ii) The Market Requirements Event
  - Capturing Voice-of-the-Customer
  - The Market Positioning Statement
  - Market Differentiation Tool
  - The Requirements Derivation Tool
  - Prioritization of Features and Requirements
- iii) The Project Planning and Risk Mitigation Event
  - Identifying and Prioritizing Project Risks
  - Scoping of the Project
  - Visual / Collaborative Project Planning

- iv) The Visual Workflow Management Process
  - The Visual Project Board
  - The Dynamic Planning Tool
  - Stand-up Coordination Meetings
  
- v) A Practical Approach to Rapid Learning
  - Identifying Knowledge Gaps
  - The A3-Based Knowledge Brief
  - The Learning Precedence Diagram
  - Set-Based Approach to Parallel Learning
  
- vi) The 3P Process
  - Overview of 3P in New Product Development
  - The Design 3P Event