Quality Thought®

Scrum Master with Agile Project Management

Mode of Training: Online Training

Name of Trainer: Mr. Ramana

Course Curriculum

Scrum Master with Agile Project Management

Module 1- Agile Basics

- Agile Methods Scrum Overview-Key Phases of Agile Project
- Agile Values and Principles
- Benefits of Agile
- Choosing suitable Agile/Lean Method or Framework
- characteristics of Agile customer
- Agile Fit Assessment Template- Team Suitability
- Agile Fit Assessment Template- Technology Suitability
- Agile Fit Assessment Template- Business Suitability
- Agile Fit Assessment Template- Scope Suitability
- Agile Delivery Models
- Agile Key Roles

Module 2 - Backlog

- Product Idea
- Product Vision Statement
- Initial Product Backlog
- Product Roadmap
- INVEST criteria, Definition of Ready and Definition of Done
- User story - Format, Acceptance Criteria, 3Cs
- User story map, Customer journey map etc.
- Epic decomposition/ user story slicing patterns, Vertical slicing
- Product backlog Prioritization techniques-MOSCOW, WSJF
- Relative Estimation Techniques: Planning Poker, T-shirt sizing, Ideal no. of days

Module 3 - Scrum - Roles, Artefacts and Ceremonies

- Ceremonies: time boxes for Ceremonies, inputs, outputs, Facilitator, process, stakeholders involved etc-Sprint Planning meeting
- Ceremonies: time boxes for Ceremonies, inputs, outputs, Facilitator, process, stakeholders involved etc- Daily Scrum meeting

- Ceremonies: time boxes for Ceremonies, inputs, outputs, Facilitator, process, stakeholders involved etc-Sprint Review Meeting
- Ceremonies: time boxes for Ceremonies, inputs, outputs, Facilitator, process, stakeholders involved etc-Sprint Retrospective Meeting
- Ceremonies: time boxes for Ceremonies, inputs, outputs, Facilitator, process, stakeholders involved etc-Scrum of Scrums
- PO Responsibilities
- SM Responsibilities
- Scrum Team Responsibilities
- Characteristics of scrum teams
- Changes to scope within sprint
- Scum Team Changes and impact
- Sprint Cancellation scenarios
- Velocity, velocity calculation, velocity-based commitment/planning
- Sprint Implementation Calendar

Module 4 - Agile Metrics:

- Burn down / Burn up (Sprint and Release level), Velocity Trend/chart
  - ✓ Sprint Burn down Performance Indicator (SBPI)
  - ✓ Release Burn chart Performance Indicator (RBPI)
  - ✓ Release Slippage Risk Indicator (RSRI)
  - ✓ Story Point Effort Performance Indicator (SPEPI)
  - ✓ Scope Volatility
  - ✓ Running Tested Features

Module 5- XP Practices-Technical Concepts

- Agile Testing: ATDD, TDD, BDD,
- Behaviour driven development (BDD): Gherkin tools like Cucumber
- Pair programming
- collective code ownership
- Refactoring

Module 6-Lean, Lean product development, Kanban:

- Identify Wastes
- Values, Principles
- Kanban core Practices
- WIP
- Class of Service
- Kanban Roles and events

Module 7-Project Management-Project Initiation and Sprint 0

- Solution planning, Initiation, Sprint 0, Sprint 1 - N, Deploy release, service Delivery, sprint management and project management,
- Roles proposed by Project manager, Scrum master, PO etc.)
- Estimators for Agile (sprint level, Project level)
- Agile Maturity assessment tool

Module 8-Sprint 0-Release Planning

- Release Planning/Sprint 0
- Identify Release Backlog
- Create Release Plan
- Setup meeting Gearbox
- Define "Definition of Done"
- Identify and setup environments
- Refine and Design Architectural Framework

Module 9-Agile Project Management

- Agile Transformation proposal
- Agile SOW-Statement of Work
- Agile Solution Plan
- Agile Budgeting
- Agile Vs traditional Triple constrain of project management
- Agile planning horizons
- Agile Staffing Plan
- Project Delivery strategy
- Risk Management plan

- Test Plan
- Deployment Plan

Module 10-Projects, Resume, Interview Questions

- Real Time Project 1
- Real Time Project 2
- Real Time Project 3
- Interview Question 1-100
- Scrum Master resume temples
- Agile PM Templates
- Agile Coach Templates