Requirements Engineering Workshop
(2 Days – Instructor Lead Workshop)

Why understand requirements engineering
Poor requirements engineering is the number one reason for project failure. Requirements engineering is a critical process that drives the project life cycle. In this course, you gain foundational knowledge of the role and function of the requirements analyst. You also learn to apply a clearly defined requirements analysis framework.

Target Audience:
Requirements Analysts, Business analysts, Software analysts, Information Systems Analyst, Project managers, Software architects, Senior programmers, Senior Testing Professionals, Senior QA professionals, Requirements analysis aspirants.

Course Highlights
- Faculty with more than decade long experience in requirements analysis and software project management, product development experience - Faculty is an industry expert with lot of subject matter experience and is well known in the industry
- Case study based approach
- Complimentary requirements analysis toolkit
- Best in class courseware
- Pre class reading material and complimentary access to e-learning on requirements analysis concepts
- Comprehensive templates for requirements analysis
- Covers all essential requirements analysis tools and techniques like UML, BPM, Test Automation Tools, Requirement Elicitation

Workshop Overview
This workshop covers essential requirements engineering and analysis tools and techniques like elicitation techniques, UML, BPM, Requirements elicitation etc. The workshop covers the basic skill sets required by Requirements analysts based on the industry recognized standards and benchmark such as IIBA’s BABoK and other industry best practices. The workshop provides exposure to requirements analysis concepts and is supplemented with detailed case study covering all the concepts learned during the workshop, which helps participants to apply the knowledge gained during the program. The program also includes mock tests & sample questions for the participants who are aspiring to take up certification exam.

Workshop Benefits
- A structured learning environment enhances learning process by a factor of 10
- Reduces effort of learning by at least 5 times
- Participants learn from faculty as well as from each other
- Faculty has 20+ years experience in requirements analysis in multi-country and multi-cultural environment – North America, Asia, Europe - in several top-notch organizations such as IBM, Infosys, PwC, iGate etc.
- Provides an opportunity to verify if the organization manages requirements analysis activity in a similar manner or not
- Opportunity to learn and share best practices that may be hidden inside the organization itself
- Many techniques developed which are from practical experience
- Exposure to industry best practices on Requirements analysis
- Exposure to the 20+ requirements analysis tools with hands-on exercises
- Case Study to provide a simulation of the implementation of requirements analysis concepts
Workshop Activities which are designed by us

- Stakeholder charter – way to manage complex shareholder situations
- Comprehensive NFR discussion – 40+ types of NFR
- Comprehensive Requirements Template – developed in collaboration with 10+ clients
- Detailed coverage on UML
- Hands on exercise on 10+ templates covered during program
- Introduction to Agile and Scrum

Course Designer Profile – LN Mishra, CBAP, CSM, PMP, Six Sigma Black Belt, MBA (IIM Ahmedabad)

LN has 20+ years of professional experience in requirements analysis, software development, governance, risk and compliance management (CMMI, ISO9001, ISO27001, Six-Sigma, and BS 25999).

LN is a practicing business and requirements analyst for more than 15 years. He was involved in multiple multi-country large ERP implementation projects. He is currently consulting one of the largest paint companies in the world to develop their next generation color management system. LN is also the product manager for an enterprise Governance, Risk and Compliance management system (GRCPerfect) which is operational in multiple client places.

He has conducted 100+ trainings - public workshops and in-house trainings in India, US, Spain and Thailand. He has conducted 30+ Requirements analysis trainings in Bangkok, New Delhi, Bangalore, Vizag and Pune.

Sample Earlier Course Feedbacks on Requirements analysis

1. I would definitely recommend this training to others in Accenture!! – Sukirti Sen, Accenture
2. Thanks for conducted wonderful session and shared your excellent knowledge with us. I felt this session was knowledge enhancement for me. Hope it will increase my confidence and perform my roles well in my projects - Chandra Sekhar Challa (Value Labs)
3. Thanks for the class it was very interesting and informative. – Sheeja Abraham, Azkonobel
4. I am impressed and Appreciate work and efforts put by you, LN and team in making all participants take home the best with them. Would definitely recommend this program to any of my colleagues, Friends - Ashwin Baliga, requirements analysis, at Xora Inc
5. Well I really should say that the choice I made was an excellent one. Not just about the trainer and the quality of the course. But the best in all fronts. I guess the difference that it made was also the quality of participants that were involved. It was really very knowledgeable and also would definitely recommend this. - Sai Ratnakar, requirements analysis CRM IT

More feedbacks available at
http://www.adaptiveprocesses.com/cbap/feedback.html

Employees of following companies have participated in our earlier trainings:

- Accenture
- Cognizant
- Azkonobel
- Infosys
- Sungard
- Otis
- CRM IT
- Tata Consultancy Services
- KPR Cummins
- Unisys
- Sapient
- Wipro
- Sigma Systems
- Syntel
- Emirates
- ZenSar Technologies

Many more.....
Program Outline

Day 1: (Requirements Engineering)

- Introductions
- Symptoms of inadequate RE and reasons for it
- Tools for RE
- Major activities of requirements engineering activities
- Types of requirements
- System context, system boundary and context boundary
- Types of requirements sources
- Principles in dealing with stakeholders (stakeholder rights and duties)
- Influencing factors for the choice of elicitation techniques
- Reasons for requirements documentation
- Natural language requirements documentation, Model-based requirements documentation form, Mixed form
- Advantages of standardized document structures and one widespread document structures
- Mastering and using quality criteria for requirements documents
- Mastering and using quality criteria for requirements
- Style rules for requirements
- Mastering and using contents and importance of a glossary
- Five transformational processes
- Mastering and using the five steps for formulating requirements using a requirements template
- Requirements attribute schemes
- Mastering and using views on requirements
- Methods for prioritizing requirements
- Requirements traceability
- Mastering and using versioning of requirements
- Managing requirements changes
- Review of concept questions

Day 2: (Requirements Analysis)

- Introductions
- Requirements analysis activities
- Knowing the term “model” and the properties of models
- Mastering the modeling and using of goal relationships as and/or trees
- Mastering the modeling of and using use case diagrams
- Knowing the focus of the data perspective on requirements
- Knowing the focus of the functional perspective on requirements
- Knowing the focus of the behavioral perspective on requirements
- Break
• Requirements management activities
• Knowing the significance of validating requirements
• Mastering and using validation criteria for the quality aspects, content, documentation and agreement
• Knowing techniques for requirements validation
• Knowing activities for requirements negotiation
• Requirement management and modeling tools
• Mock examination
• Discuss answers to mock question
• Feedback and closure