Software Project Management Course

Areas covered

1. Agile way – Agile Manifesto – the 4 values
   a. Scrum and Kanban process
      i. Roles
         1. Product Owner
         2. The team
         3. Scrum Master
      ii. Artifacts
         1. Product Backlog
         2. Sprint backlog
         3. Sprint planning meeting
         4. Daily Scrum
         5. Product Backlog refinement
         6. Potentially shippable product
         7. Sprint review
         8. Retrospective
2. PMP – Project Management Professional
   a. What is Project
   b. 5 Project Management Process groups
      i. Initiating
      ii. Planning
      iii. Executing
      iv. Monitoring and controlling
      v. Closing
   c. 10 Project Knowledge Areas
      i. Integration Management
      ii. Scope Management
      iii. Time Management
      iv. Cost Management
      v. Quality Management
      vi. Human Resources Management
      vii. Communication Management
      viii. Risk Management
      ix. Procurement Management
      x. Stakeholder Management
   d. Specific Process
      i. Project Charter
      ii. Create WBS – Work breakdown structure – Output Scope Baseline
      iii. Develop schedule – Output Schedule baseline
      iv. Determine budget – Output Cost baseline
      v. Perform integrated change control – Output Approved Change Requests

vi. Control costs
1. Earned value management
2. Planning Value
3. Earned Value
4. Actual Cost
5. Schedule variance, cost variance
6. Schedule performance index, cost performance index