**Software Engineering – SDLC**

Duration: 1 Day

Course Contents:

Introduction to SDLC  
1. Software development activities  
2. Planning  
3. Requirement Gathering and writing SRS  
4. Designing  
5. Data Design  
5. Architecture Design  
6. User Interface Design  
7. Procedural Design  
8. Implementation, testing and documenting  
9. Deployment and maintenance  
  
Software Development Models  
1. Waterfall Model  
2. Top-Down Approach  
3. Requirements specification (Requirements Analysis)  
4. Design  
5. Implementation (or Coding)   
6. Integration  
7. Testing (or Validation)   
8. Deployment (or Installation)   
9. Maintenance  
  
Spiral Model   
1. Emphasize risk analysis  
2. Implementation of analyzed Risk  
3. Risk Management  
4. Iterative and Incremental Development  
5. Construction of initially small but ever larger portions of a software project  
  
AGILE Methodology and SCRUM