PLP Orientation

About PLP

- Pseudo Live Project(PLP) program is primarily to handhold participants who are fresh into the IT stream & newly recruited from college
- PLP project is executed to orient the trainees towards IGATE processes.
- Trainees are expected to develop an application in the technology they have been trained, using IGATE processes and templates
- Participants have to understand the value & usage of the various forms, templates & review mechanisms
- In PLP, more importance given to "Process Adherence"
- PLP should be mentored by Batch Mentor and BU Mentors
- Duration of PLP is 8 Days (8 days including 1 Saturday)
- On Day 8, PLP will be evaluated by a panel comprising of BU mentors and evaluators who are assigned for the evaluation.

Batch Mentor Responsibilities

- **Team Formation**
  - Mini Project Team will be carried over as PLP team(5 to 6 members).
  - Identify any 2 team members(Based on their capability) to assign additional responsibilities such as
    - SPOC(Single Point of Contact)
    - CM(Configuration Manager)
- **Arrange for Kick start meeting with the Batch at the end of Mini project presentation/PLP Day 1**
  - Share the below listed artifacts to the team.
    - PLP Group details
    - PLP Schedule
    - Sample documents
    - Templates(Download from QZEN).
  - Orient them on the usage of SVN tool and IRAPID IDE(Shared recording).
  - Set Expectations to the team.

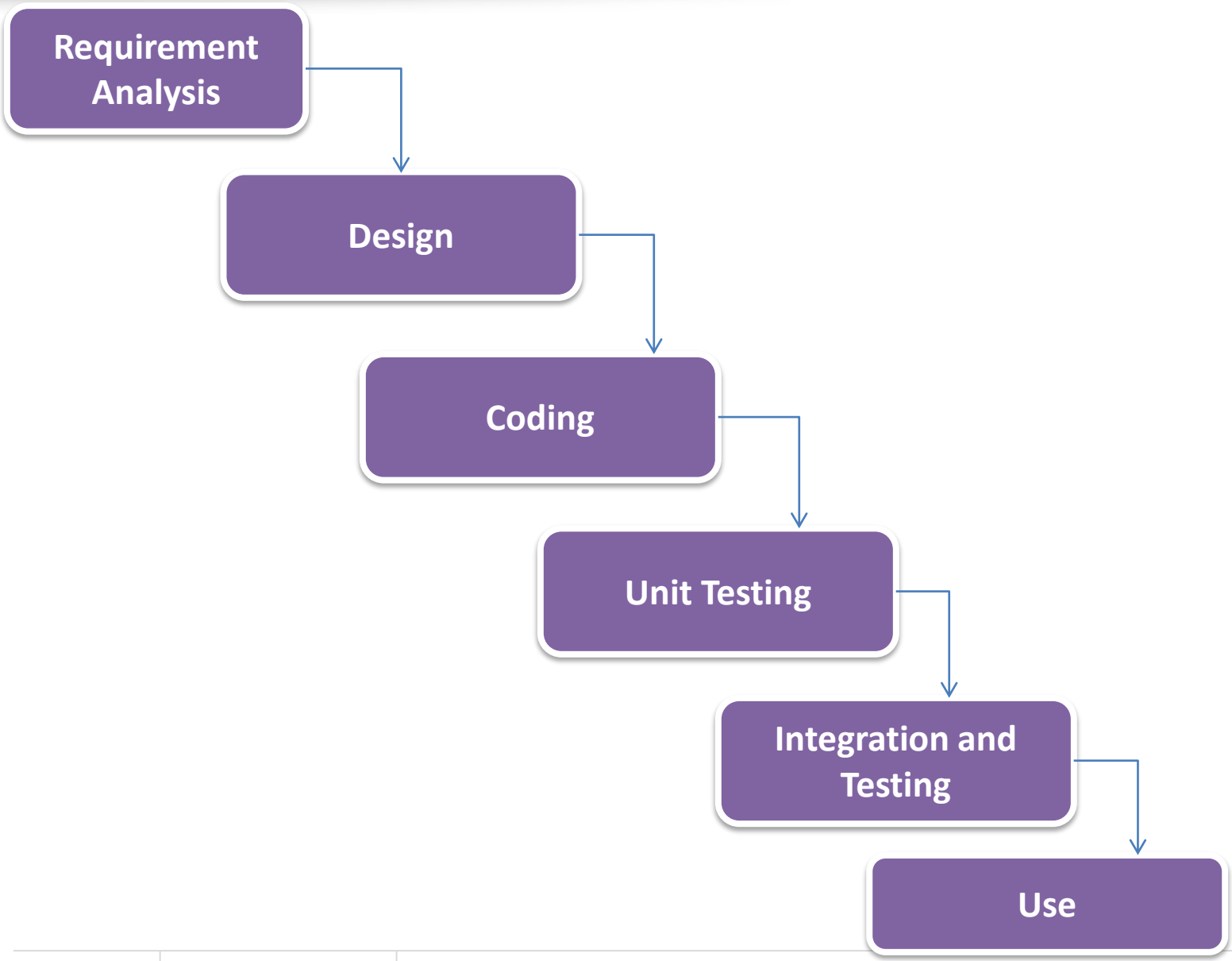
Batch Mentor Responsibilities

- **Identify BU Mentors for the batch**
  - To mentor the participants during preparation of artifacts and review the artifacts.
  - BU Mentors preferably Gamma + Level person and should have spent atleast 3 months in Capgemini.

- **Arrange for Kick start meeting with BU Mentors**
  - Discuss PLP implementation approach and inform the schedule.
  - Request them to spend 45 to 60 minutes every alternate day with the group

- **Allocate team(s) for mentors and introduce team(s) to the mentors.**

PLP Phases


Requirement Analysis
Design
Coding
Unit Testing
Integration and Testing
Use

Requirement Analysis – Day 1

- **Input**
  - Requirement Document(Miniproject Document)
  - High Level WBS
  - Created UseCase Diagram during Miniproject
  - Query tracking sheet which was used during Miniproject

- **Activities**
  - Understand the PLP Artifacts and High Level WBS
  - Register the team member details in Project Team Register.
  - Create PLP folder structure in SVN(CM Responsibility)
  - Based on requirement understanding, create PPT to reverse present the project requirement to the mentors
  - Log the additional queries in QTS during analysis/ in any phase.
  - Update Use Case diagram by modelling the functionality of the system .
  - Split the work among resources and mention the activity to be done by each resources in the given duration in WBS(Work Breakdown Structure),
  - Start to fill timesheet
  - Create one sample Minutes Of Meeting(MOM)

Requirement Analysis – Day 1

- **Deliverables/Output**
  - Project Team Register
  - Understanding Document (PPT)
  - Query Tracking Sheet(QTS)
  - Detailed WBS
  - PLP Folder should be available in SVN
  - Timesheet
  - Minutes Of Meeting(MOM)

HLD Design – Day 1

- **Input**
  - Partial class diagram created during mini project
  - DB Design created during Oracle training
  - Screenshots taken from mini project after implementing mini project comments.

- **Activity**
  - Update the class diagram, DB Design and Screenshots
  - Create sequence diagram for only one functionality.
  - Update Timesheet and WBS

- **Deliverables/Output**
  - Use Case Diagram
  - Class Diagram
  - Sequence Diagram (For only one functionality)
  - DB Design
  - Screen Shots
  - Updated WBS and Timesheet

UTP Design – Day 2

- **Input**
  - Requirement Document
  - Screenshots
  - UTP(Unit Test Plan) with partial test cases added till mini project

- **Activity**
  - Update UTP for only one module(Functionalities of one user role like customer).
  - Review UTP within team members and rework to implement review comments.
  - Create Traceability Matrix for only one module(Functionalities of one user role like customer).
  - Update Timesheet and WBS

- **Deliverables/Output**
  - UTP (for only one module - Functionalities of one user role like customer).
  - Traceability Matrix
  - Updated Timesheet and WBS

LLD Design – Day 3

- **Input**
  - HLD Documents and UTP
- **Activity**
  - LLD Preparation(Pseudo code need to be written for only one functionality) – one Module(Functionalities of one user role like customer).
  - Update Timesheet and WBS
  - Update LLD URL details in UTP
  - Understand Code review checklist and coding standards
  - Review LLD within team members and rework to implement review comments
- **Deliverables/Output**
  - Updated Timesheet and WBS
  - Baseline HLD, LLD and UTP

Coding – Day 3, 4 and 5

- **Input**
  - HLD and LLD
- **Activity**
  - Code the application using .Net Framework
  - Use SVN for check-in/checkout the source code to/from repository.
  - Perform Unit testing(self testing)
  - Update timesheet and WBS
- **Deliverables/Output**
  - Source code
  - Updated timesheet and WBS

Code Review – Day 6

- **Input**
  - Source code
  - Code review checklist
- **Activity**
  - Create Code review report for only one module(Functionalities of one user role like customer).
  - If defects occurs during code review , then log those defects in Defect tracking sheet.
  - To fix the defects, rework on the code and redo the code review process.
  - Generate PMD reports for all modules
  - Update WBS and timesheet
- **Deliverables/Output**
  - Code Review report
  - Defect Tracking sheet for code review
  - PMD reports
  - Updated WBS and timesheet

Testing – Day 7

- **Input**
  - Developed code
  - Designed UTP
  - Requirement
- **Activity**
  - Do peer (unit) testing and generate UTP report for only one module(Functionalities of one user role like customer).
  - If defects occurs during peer testing, then log those defects in Defect tracking sheet.
  - To fix the defects, rework on the code and redo the unit testing.
  - Update WBS and timesheet
- **Deliverables/Output**
  - UTP report
  - Defect Tracking sheet for testing
  - Updated WBS and timesheet

Testing – Day 7

- **Input**
  - Developed code

- **Activity**
  - Integrate the code and test the integrated system
  - Fix the defects which occurs during Integration
  - Create WAR file of integrated application for deployment
  - Prepare PPT
  - Update WBS and timesheet

- **Deliverables/Output**
  - WAR file
  - Prepared PPT
  - Updated WBS and timesheet

Presentation – Day 8

- **Activity**
  - Final Presentation

- **Deliverables/Output**
  - Updated WBS, Timesheet
  - Updated Query tracking sheet
  - HLD
  - LLD
  - Updated UTP
  - Traceability Matrix
  - Updated review report
  - Defect tracking sheet
  - Minutes of Meeting
  - Deployed WAR file
  - PPT

Thank You