Project Development Life Cycle

Overview :

A direct purpose of this project is to provide a proof of concept for Kenovo™ international as a bidding to acquire a new model of Blenders to satisfy its vast majority of customers worldwide.

This document provides an insight to the expected set of project activities at different project phases as it steadily advances to achieve its ultimate objective.

This document puts emphasize on the major activities to be assessed at the end of each phase and if possible the required artifacts expected by the end of each phase.

A typical project would require four sequential steps which start by "Project Initiation" phase and goes by "Project Planning", "Project Production" and to the end at the "Project Closure".

I. Project Initiation:

The objective of this project is clearly set to deliver a working blender for "Kenovo" based on a set of customer requirements provided in the project brochure.

II. Project Planning:

After a direct meeting with the customer the plan should be set to formalize the expected steps, milestones and allocated resources for each phase which were thoroughly expressed in :

- A detailed project objective and scope
- Set of Responsibilities and roles
- Schedule
- Configuration Management Plan

III. Operations:

Major activities expected in this stage would goes by a typical flow of a software production cycle that should start with a full requirement elicitation and ends with a Hardware/Software integration where a system testing validation is expected to sign off the product to be delivered for customer's user acceptance testing.

- **Requirements Elicitation**
  - Obtaining customer requirements and requests.
  - Manage customer requirements changes.
- **System Requirements Analysis**
  - Specifying system requirements.
  - Analyzing system requirements.
  - Developing verification criteria.
  - Establishing bidirectional traceability.
- **System Architectural Design**
  - Developing system architectural design.
  - Allocating system requirements.
  - Defining interfaces of system elements.
- **System Integration and Integration Test**
  - Developing system integration strategy.
  - Developing system integration test strategy including regression test strategy.
  - Integrating system items.
  - Performing system integration test.
- **System Level Test**
  - Developing specification for system qualification test.
  - Testing integrated system.
  - Summarizing and communicate results.

IV. Project Closure:

Based on a clear project validation criteria the whole system will be delivered to the customer for further user acceptance testing and the project deliverables including artifacts will be handed over for the customer acquisition as per requested in the group of requirements set initially by the customer.

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