Quality Control

Industrial Perspective

Software Development Stages

Checking the market needs.
Creating contact with a customer.
Requirements definition of the SW project.
Cost estimation of SW project.
SW project agreement.
Creating a SW project.
Using sub-contractors.
Testing.
Ways of updating the customer.
Quality control.
How to present a SW project.
SW Maintenance.

Quality control in Software Development Stages

Quality control in checking the market needs
Quality control in creating contact with a customer
Quality control in requirements definition of the SW project
Quality control in cost estimation of SW project
Quality control in SW project agreement
Quality control in creating a SW project
Quality control in using sub-contractors
Quality control in testing
Quality control in ways of updating the customer
Quality control in presenting a SW project
Quality control in SW Maintenance

Quality control in checking the market needs

SW market is huge.
Checking what is your relative strength.
Select a interest area.
Is this an economical area?

Quality control in creating contact with a customer

Is it a SW product for the consumer market?
Is it a SW product for a super computer?
What is the age of the customer?
What is the nationality of the customer?

Quality control in requirements definition of the SW project

It is important that the customer and the eng. will make the requirements
Are the requirements clear to the customer and to the eng.
Is there any conflict between the requirements?
Is it possible to meet the requirements?
Is it possible to do it within the time available?

Quality control in cost estimation of SW project

Is the price so high that the customer may decide not to order the SW?
Is the price too low?
what is the price that our competition can give?

Quality control In SW project agreement

There are three major part in a SW project agreement:

- What (is there a detailed specification?)
- When (is there a clear date for delivery?)
- Money

Quality control in creating a SW project

There are three major parts in creating a SW project:

- Quality control in analyzing
- Quality control in designing
- Quality control in coding

Quality control in using sub-contractors

Creating a contact with a sub-contractors
Requirements definition of the SW sub-project
Checking the cost of SW sub-project
SW sub-project agreement
SW sub-project management
Testing the sub-project

Quality control in testing

Black box testing
White box testing
Writing the testing procedure should be done as early as possible

Quality control in ways of updating the customer

Build real expectation

What should be the rate of updating?

Is there a need to update the customer in delays?

Quality control in presenting a SW project

Has all the testing been done before the presentation?
Is there a need for presentation
Who will present?
How to present?
What to present?
Trying to build confidence in the customer's side

Quality control in SW maintenance

SW maintenance is the most expensive part in a SW project.

Checking the reasons for the need of maintenance:

- Is it for bug fixing?
- Is it because of modification in the requirements?
- Is it for product development?

Planing for easier maintenance

All the quality control stages of a new project

Is this the time to make changes base on the current?

Is this a time for re-arranging everything?