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Unit—2

Software Inspection

Software Inspection

The process of analyzing a program

Objective of Inspection

- 1).To ensure the product is safe and reliable.
- 2).To ensure that the product is function properly under both normal and adverse condition.
- 3).To ensure that the product is what the user's want.
- 4).To determine the earliest date when the product can be released with min. risk of customer loss or dis-satisfaction.

Communication skills for System Analyst

System Analyst

- 1).System Analyst is a person who conduct a study , identify activities and objectives and determines a procedure to achieve the objective.

2).The analyst is a person with unique skills.

3).User skills to co-ordinate the effort of diff. type of persons in an organizations to achieve organizations goes.

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4).The personal attributes of analyst that attract them to system analyst.

Communications Skills are:-

1).Authority

The confidence to take people what to do. Much of this quality shows in the Project Management and term work to meet deadlines.

2).Communication

The ability to attract and focus on a problem area for logical solution.

3).Creativity

Trying one's own idea ,developingcustomer system using unique tools or procedure.

4).Responsibility

Making decision on one's own and accepting the consequence of these decision.

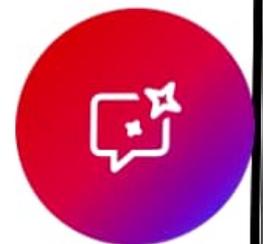
5).Valid Skills

Inspection are conducted in a similar manner to walk-through but more structure is imposed and each participants has a definite role to play and study each of the document composition.

Items to be inspected in a design inspection include completeness of design with respect to the user-requirement , internal completeness and consistency and uses of usages of terminology and correctness of the interface between Modules.

Items to be Inspected in code inspection might include sub-programs / Modules interfaces , Decision logic , I/O Statement , Dataflow and Memory us.

An interesting inspection is observation that diff. programs tend to make diff. kinds of characteristics error , error found during inspection can be cycles back to the programmer who make them and with this feedback , programmer tend to eliminate those type of error from their subsequent work , thus improving quality and productivity.



Doing different project and handing change . These are skill to communicate one person to another for software development.

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Review / Inspection Procedure

Inspection used through-out the software Life Cycle to access and improved the quality of the various work product.

The Inspection procedure is done by the software Inspection.

The Inspection procedure consist of :-

1).Document

The document consist of SRS and system analysis of the software i.e. Inspected. These document composition of Inspection Team is done during inspection.

2).Inspection Team

The inspection team consist of 4 persons who play the roles of Moderator , Designer , Implementation and Taster.

3).

These are 4 member who are trained for their task.

4).Check List

The inspector work for the list of Inspection Teams. Check list means the list of all the document of items is to be checked. The actual item in the check list depending upon the implementing languages.

5).Reading by the Inspector