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Course - BCA

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Roll call -> 74

Paper Code -> BCA (6122)

Paper Name -> Software Engineering

[ANSWER 1]

Software engineering is the parocess of analyzing user's needs and designing, constructing and testing end-user application that will satisfy these needs through the use of software engineering / programming language.

It helps you to obtain, economically software which is stelable and worke explciently on the speal machine.

We need software engineering to engineer a software product, you have to study the subject of software engineering software engineering is intended to supposed perofessional software development rather than individual perogramming.

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[Answest 2]

Software developement life cycle (SDLC) is a process used by software industry to design, develop and test high quality softwares.

The spec aims to produce high quality software that meets on exceeds automen expectations, yearnes completion within times and cost estimates.

waterfall model was the first process model to be introduced. It is also vieffered as linear-sequential life cycle model. In waterfall model each phase must be completed before the next phase can begin and there is no overlapping in the phases

The sequential phases in waterfall model are-

- Requirement gathering and analysis · System design
- · Implementation
- Integration and testing Deployment of system
- o Maintanence.

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[ANSWER 3]

Priototype model is a software developement model in which priototype is built, texted and removiked until an acceptable pointype is achemied. It also coreates base to prioduce the final system or software. It works best in scenarios whose project requirement are not known in detail. It is an iterative, total and error method which takes place between client and developer.

Advantages of Poiototype model 6-

Users are actively involved in development.

Therefore, evolusis can be detected in the finitial stage of software development

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- Helps team member to communicate explicatively.
- There will be hardly any chance of software rujection
- · Poutotype's can be changed even discarded
- · Butotypes may offer early training for future users of the software system.

[Answer 4]

A software requirement specification (SRS) is a description of software system to be developed. It lays out functional and non-functional arequirement and may include a set of use casses that describe user interactions, that the software must provide.

The Pimpowent parts of SRS documents are:

- functional orequirement: The purposeful requirement part's discuss the functionalities needed from the system. The system is taken is taken into account to perform a group of high level functions Fi.
- Non functional orequirement: Maintain Ublity of system, movablity of the system, the usability of the system.
- Goal's of implementation: The goals of implementation part documents some general suggestion relating to development. These suggestion guide trade off amoung style goals.