

Assignment – 1

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Subject :- Software Engineering And Project Management

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Q1. What is software engineering? Is it an art, craft or a science? Discuss

Ans. Software Engineering is detailed study of designing ways to deal with development of software. It is also an immediate sub field of designing and has a cover with Computer science.

In my opinion, software engineering is important because we need a software in every industry , business, office and etc. In different areas of working software reduces the cost and less man power is required.

In my opinion software is an art created by human to make task easier and simpler .

Software Engineering highlights the caring of issues in digital hardware and at hardware Software – Interface.

Q2. Write down the major characteristics of software.

Ans. A software is usually consists of number of programs , configuration files, which are used to set up these programs .

Characteristics of Software

1. It provides a systematic and organised approach.
2. Make use of appropriate tools.
3. Makes use of available resources.
4. It is easy to re-create.
5. Always growing and adaptive.
6. It is reliable and recoverable.
7. Works for long term period as well and is quite efficient.
8. It is easy to learn and understand how software works.
9. Easy to maintain and test .
10. Its is stable even with changes.
11. Its is portable and can be transferred from one place to another.

Q3. What is more important: Product or Process?
Justify your answer

Ans. Product or Process! In my opinion product and process both are equally important because if the process is right then the product can be right , and the product is also important because if your customer is satisfied it means your product is good and the process was in the right directions .

Process is base of every product without process product cant be built .

Developers focus in process and customer satisfaction is all in product.

So overall, process quality decides the quality of the product.

Q4. Describe situations where Rapid Application Development Model might lead to difficulties.

Ans. Difficulties in Rapid Application Development (RAD) :-

1. It cannot be used for smaller projects.
2. All applications are not compatible with rad.
3. When technical risk is high rad is not suitable.
4. Your product should be delivered time delivery.
5. If developers are not committed to delivering software on time, RAD projects may fail.
6. It is not scalable.
7. Progress and problems accustomed are hard to track as there is no documentation.
8. It requires highly skilled developers and designers.

Q5. Discuss the selection process parameters for a life cycle model.

Ans. The software process model system is explicit to the project. Along these lines, it is basic to choose the software process model as per the software which is to be created. The software project is viewed as effective if the process model is chosen by the necessities. It is additionally fundamental to think about time and cost while picking a process model as cost as well as time imperatives assume a significant job in software advancement. The fundamental attributes required to choose the process model are project type and related dangers, necessities of the project, and the clients.