Class – 23MX21, Software Engineering

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Questions on Introduction ppt.

**1. Write your own meaningful definition for Software  
Engineering without repeating the existing definitions.**

Ans 1. Developing SW using scientifically proven efficient, simple and universally accepted methodology resulting in creation of efficient, and economical SW.

**2. Is it possible to develop a quality software without following  
best practices?**

Ans 2. It is possible to develop quality SW without following best practices, if one were to adapt a logical, methodological, and systematic and organized way of writing code.

Any code written intuitively following the above will generally follow the best practices without even knowing about the best practices, as some of the practices are intuitive and natural. For example – meaningful variable names, proper indentation, logical flow of program, modular and structured programming, the need to be user friendly.

**3. According to you, what is meant by “Readymade Product to Industries”**

Ans 3. If one has been adopting best practices in SW development as a student or as a developer at any level, then one will find it easier to be assimilated into the SW industry, where in they expect a prospective employee to be complying and using Best practices of SW development. Such a person is ready made product for Industries.  
  
**4. Will testing of code thoroughly guarantee that the software is 100% correct?**

Ans 4. May not. Despite our best efforts to have all possible test case scenarios and testing the SW with all possible test cases before it is deployed, yet there can be situations where there may be lacunas in the SW or even test case which may go unnoticed at testing time. That is why we have cases of bugs in SW that are detected at very unexpected times.

**5. What is the significance of Software Development Rules?**

Ans 5. SW development rules are broadly categorized as

40 : 20 : 40 or 60 : 15 : 25

I.e. by following the rules , there is good chance of producing quality finished SW product, that will be accepted by the customer with full satisfaction. It will have less chance of failure and bugs and easy to maintain over longer periods.