IT-314 LAB 01

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SUBJECT :- IT-314

GROUP :- 6

Lab 01

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1. **A simple data processing project**.

In this case we can use water fall model because of its simple and requirements can be finalized initially .

2. **A data entry system for office staff who have never used computers before. The user interface and user-friendliness are extremely important.**

In this case we can use the evolutionary prototyping model because the UI in very important in this system and we also add up new features and fulfil new requirements.

3. **A spreadsheet system that has some basic features and many other desirable features that use these basic features.**

In this case we can use incremental model. First, we can fix some basic requirements and develop software and add on other features .

4. **A web-based system for a new business where requirements are changing fast and where an in-house development team is available for all aspects of the project.**

In this case we can use incremental model because the requirements change rapidly.

5. **A Web-site for an on-line store which has a long list of desired features it wants to add, and it wants a new release with new features to be done very frequently.**

In this case we can use incremental model because we can full fill requirements which is change rapidly and release new versions with extra features.

6. **A system to control anti-lock braking in a car.**

In this case we can use spiral incremental model because it involves the risk analysis.

7. **A virtual reality system to support software maintenance**

In this case incremental model should be more preferable because the requirements to maintain software change very often .

8. **A university accounting system.**

In this case we can use water fall model because accounting system have some definite requirements .

9. **A Web-site for an on-line store which has a long list of desired features it wants to add, and it wants a new release with new features to be done very frequently..**

In this case we can use evolutionary prototype model so we can get feedback to user of railway and improve our system.

10. **Company has asked you to develop software for missile guidance system that can identify a target accurately.**

In this case spiral incremental model is the best because it involves risk analysis.

11. **When emergency changes have to be made to systems, the system software may have to be modified before changes to the requirements have been approved. Choose a process model for making these modifications that ensures that the requirements documents and the system implementation do not become inconsistent.**

In this case incremental model can be used because we need to improve our system by time with new features .

12. **Software for ECG machine.**

In this case we can use water fall model because ECG machine's requirement are fixed.

13. **A small scale well understood project (no changes in requirement will be there once decided).**

In this case we can use water fall model because once the project finalized the requirements are not change.