**Software Engineering Assignment**

**1.Rework**

It is the process of working / reviewing one again from beginning of the projects & have changes to it.

It is a time consuming process & rectifies all the mistakes in the projects and increases efficiency.

**2.Verification vs Validation**

**Verification:**

It is the process of checking the software to achieve its goal without any bugs/issues.

It is used to check the developed software is right or not

To rectify the bugs in Intermediatory phases

**Validation (TESTING):**

It is the process of checking / testing the developed software is correct as per the client requirements or not.

It is the last phase before delivery

**3.Evolutionary model (Prototype model)**

Prototype is a preliminary version of a software developed, usually built for demonstration purposes.

It is the process of upgradation/change /have new additions to the project.

In the specification and development phases are interleaved, incomplete versions of software developed in early stages later refined through number of iterations to the final version

**4.Requirement Traceability Matrix (RTM)**

It is a document that maps and traces user requirement with test cases. It captures all requirements proposed by the client and requirement traceability in a single document, delivered at the conclusion of the **SDLC**.

The main purpose of **RTM** is to validate that all requirements are checked via test cases such that no functionality is unchecked during Software testing.

**5.Coding Standard**

It gives **a uniform appearance to the codes written by different engineers**. It improves readability, and maintainability of the code and it reduces complexity also.