Task 1

5 advantages and 5 disadvantages of V-model methodologies

Advantages

1. Easy and simple to use
2. Testing activities like planning, test designing happens well before coding.
3. Proactive defect tracking – that is defects are found at an early stage.
4. Avoids the downward flow of the defects.
5. Works well for small projects where requirements are easily understood.

Disadvantages

1. Very rigid.
2. Least flexible.
3. Software is developed during the implementation phase, so no early prototypes of the software are produced.
4. If any changes happen midway, then the test documents along with requirement documents has to be updated.
5. Risky.

Task 2

4 advantages and 2 disadvantages of Prototyping methodologies

Advantages

1. During the entire cycle, the clients stay in the loop. Thus, transparency during the development is maintained.
2. Prototyping Methodology is quite adaptive as any updates or new requirements are accommodated.
3. It mitigates or eliminates the risks before the actual product is developed.
4. One can expect quality results with this SDLC process as any flaws can be identified and refined before the development initiates.

Disadvantages

1. It can be comparatively costly as more time and resources are required for prototyping.
2. Revisions and updates affect the project workflow and duration.