Task #03 - WATERFALL MODEL FOR PRODUCT DEVELOPMENT

Waterfall model for construction of a bridge

Requirements

- 1. Connecting two regoins for saving the travel time and to cover long distance for the people.
- 2. Length, width, load capacity.
- 3. Materials concrete, steel, wood, stone, aluminium etc.
- 4. Engineers , architectures for planning the project.
- 5. Consulting government authorities for funds for the project .

Design

- 1. Developing high level blueprints and sketches of the bridge.
- 2. Making conceptual drawings of the bridge including its suspension height, dimensions .
- 3. Analysis of load, construction procedure.
- 4. Ensuring there are no effects with the environment for consturction of the bridge.

Implementation

- 1. Site preparation by clearing land and laying foundations for construction.
- 2. Build the foundation .
- 3. Then substructure for support and other construction work.
- 4. Regular inspections to ensure design is going the same or not.
- 5. Including safety checks for safety of the people.

Verification

- 1. Inspecting and testing the bridge for safety and design specifications for what they have mentioned.
- 2. Performing load analysis tests and stress analysis tests.
- 3. Inspecting about safety checks such as breakage of bridge etc. to ensure safety of the public.

Deployment

- 1. After inspecting every aspect of the bridge, making adjustments if necessary.
- 2. Handing over the bridge to government body.

Maintenance

- Regular inspection needed after construction of the bridge.
- 2. Repairs and updates needed for long term mnitoring condition of the bridge.