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**LAB 2**

1. a) **V-shaped model** is best here because :

-This model focuses a lot on testing which is very important for complex projects like this.

-Due to the stable requirements of the project since the V-shaped mode does not allow changes backward.

b) **Prototype model** is best here because:

- Since the requirements are vague and likely to change in future, the developer can start developing a prototype of the website and later take requests from the client for modifications.

c) **Iterative model** is best here because:

- This model allows requirements to be gathered at every stage unlike the waterfall model in which requirements are to be gathered once.

- Also requirements are stableS and this model does not allow backward changes.

1. **V-shaped model**

The V shaped model is an extension of the waterfall model. The V-shaped model shows the relationships between each phase of development and the associated phase of testing. It's also referred to as the 'verification and validation model'. This is because each verification phase is associated with a validation phase. The main aspect of any software is to see how it performs. It needs to be tested many times. Therefore, the main focus of V shaped model is in testing. While verification focuses on development, validation ensures that all that development was carried out correctly. This process is very dynamic and a great deal of testing takes place. These steps are also referred to as the 'tester's life cycle’