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Identify two models that wasn't discussed in class

Big Bang Model

Big Bang Model does not have any defined process. Money and efforts are put together as the input and output come as a developed product which might be or might not be the same as what the customer needs.

Big Bang Model does not require much planning and scheduling. The developer does the requirement analysis & coding and develops the product as per his understanding. This model is used for small projects only. There is no testing team and no formal testing is done, and this could be a cause for the failure of the project.

Advantages of Big Bang Model:

1. It's a very simple Model.
2. Less planning and scheduling is required.
3. The developer has the flexibility to build the software of their own.

Disadvantages of the Big Bang Model:

1. Big Bang models cannot be used for large, ongoing & complex projects.
2. High risk and uncertainty.

Agile Model

Agile Model is a combination of the Iterative and incremental model. This model focuses more on flexibility while developing a product rather than on the requirement.

In Agile, a product is broken into small incremental builds. It is not developed as a complete product in one go. Each build increments in terms of features. The next build is built on previous functionality.

In agile, iterations are termed as sprints. Each sprint lasts for 2-4 weeks. At the end of each sprint, the product owner verifies the product and after his approval, it is delivered to the customer.

Customer feedback is taken for improvement and his suggestions and enhancement are worked on in the next sprint. Testing is done in each sprint to minimize the risk of any failures.

Advantages of Agile Model

1. It allows more flexibility to adapt to the changes.
2. The new feature can be added easily.
3. Customer satisfaction as the feedback and suggestions are taken at every stage.

Disadvantages of Agile Model

1. Lack of documentation.
2. Agile needs experienced and highly skilled resources.
3. If a customer is not clear about how exactly they want the product to be, then the project would fail.