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| **S.no.** | **Purpose** | **Agile model** | **Waterfall model** |
| **1.** | **Definition** | Agile model follows the incremental approach, where each incremental part is developed through iteration after every timebox. | Waterfall model follows a sequential design process. |
| **2.** | **Progress** | In the agile model, the measurement of progress is in terms of developed and delivered functionalities. | In the waterfall model, generally the measurement of success is in terms of completed and reviewed artifacts. |
| **3.** | **Nature** | Agile model is flexible as there is a possibility of changing the requirements even after starting the development process. | On the other hand, the waterfall model is rigid as it does not allow to modify the requirements once the development process starts. |
| **4.** | **Customer interaction** | In Agile model, there is a high customer interaction. It is because, after every iteration, an incremental version is deployed to the customer. | Customer interaction in waterfall model is very less. It is because, in a waterfall model, the product is delivered to the customer after overall development. |
| **5.** | **Team size** | It has a small team size. As smaller is the team, the fewer people work on it so that they can move faster. | In the waterfall model, the team may consist more members. |
| **6.** | **Suitability** | Agile model is not a suitable model for small projects. The expenses of developing the small projects using agile is more than compared to other models. | Waterfall model works well in smaller size projects where requirements are easily understandable. But waterfall model is not suitable for developing the large projects. |
| **7.** | **Test plan** | The test plan is reviewed after each sprint. | Test plan is reviewed after complete development. |
| **8.** | **Testing** | Testing team can take part in the requirements change phase without problems. | It is difficult for the testing team to initiate any change in needs. |