**Differences between Agile and Waterfall methodologies:**

**Waterfall Model**

* The Waterfall model is a traditional software development approach where the process flows sequentially through stages like requirement gathering, design, development, testing, and deployment.
* Once a stage is completed, it’s difficult to go back and make changes. It is suitable for projects with well-defined and fixed requirements.
* Customer is involved only at the beginning and at the end.
* Testing is done after development is completed.

**Agile Model**

* Agile is a modern, flexible approach where development is done in small cycles called sprints.
* It allows regular feedback from the customer and welcomes changes even during development.
* Testing is continuous and done alongside development, and working software is delivered frequently.
* Agile is ideal for projects where requirements may evolve over time and quick delivery is needed