Assignment-2

Produce a comparative infographic of TDD, BDD, and FDD methodologies. Illustrate their unique approaches, benefits, and suitability for different software development contexts. Use visuals to enhance understanding

**Feature TDD BDD FDD**

Focus writing tests Focus on behaviour Develop the system

before code of the entire system feature by feature

Testing Unit level User acceptance testing Feature breakdown

Level testing and estimation

Strength High quality Clear communication Prioitized features

Reliable code and shared understanding

**TDD:-**

Benefits:

Less debudding.

Meets the customer requirements

Improves the quality of the software

Suitability:

Used for small projects or features.

Highly stable for agile environment

**BDD:-**

Benefits:-

Encourage collaboration between developers, testers, and business analyst.

Uses common language called gerkin for feature discussing

Suitability:

Used for complex projects with changing requirements.

Suitable for teams with different skill set.

**FDD**

Benefits:

Encourages team collaboration

Offers clear visibility

Suitability:

Suitable for larger projects with clear requirements