**INFO6255**

**Software Quality Control & Management**

**Agile Implementation – Failure or Success**

Group-10

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**The company name --- Microsoft**

Microsoft Corporation is an American multinational technology company with headquartered in Redmond, Washington. It develops, manufactures, licenses, supports and sells computer software, consumer electronics, personal computers and related service.

**When it happened**

The first version of Visual Studio to provide some meaningful support for agile development was Visual Studio 2010, released in April 2010 and developed over the two previous years.

**Why it happened**

Microsoft had something of a poor reputation as a software developer. The issue wasn’t so much the quality of the company’s software but the way it was developed and delivered.

Microsoft Visual Studio major version releases come every two years. The two-year cycle was broken into several stages.

1. four to six months of planning and design work.
2. six to eight weeks of actual coding, complete code.
3. a four-month cycle of testing and debugging.
4. a public beta produced
5. six to eight weeks cycle of development
6. four months of stabilization
7. finished product emerge

However, consider when a Visual Studio user installed the beta and 2 months later (in step 6) found and reported a bug. The bug might slip through to the release version and would not the fixed in three years.

The entire development approach left Visual Studio doomed to be out of date and behind the times.

**Reason for the success**

1. **Higher customer satisfaction**

* Company deliver products to market quicker and more often with every release. The clients get early access to the product during the life cycle.
* It can keep customer involved and engaged throughout projects.

1. **High project quality**

* Incremental developments have values, and customers can use them.
* Work can be broken into parts and conducted in rapid, iterative cycles.
* Late changed are manageable.

1. **Reduced risks**

* Agile have a working product, starting with the very first sprint.
* It develops in sprints, ensuring a short time between initial project investment and either failing fast or knowing that a product or an approach will work.
* Agile gives freedom when new changes need to be implemented. They can be implemented at very litter cost because of the frequency of new increments that are produced.