### **W01 Assignment: Explain Version Control**

Version control is a system that manages and tracks the changes to files typically codes as teams and collaborators work simultaneously. It allows collaboration, access to history files and understanding the history of changes made by teams or collaborators. This is made possible as it records all modifications and changes. The system make it possible to revert changes when there is the need to be undone.

Version control helps prevent loss of work, facilitates collaboration, allows for easy rollback of changes, and provides a clear history of the project.

Some example of version control are Git, Subversion, Azure Devop Server etc. Version control is very key in software development as it allows team or collaborators to rollback to previous state. It enhances experience team collaboration

One example of version control in Git is  **$ git add file1.txt file2.txt.** This version control adds the specified file to the staging area in Git.