4. **Generate Volatility Smile (VS):**

a. **Description:**

Once, the input values are entered, the resulting graph (volatility smiles) are displayed to the user. It will also show the type of sock option, and other entered parameters like the algorithms delta range etcetera.

**b. Criticality**

It is critical that results be displayed in the graphical format to the user. This will help users compare different algorithm which is an important task in any OPS.

**c. Technical Issues**

The calculation within the range should be completed in 0.5 a second. The range of the graph and readability might be affected by data anomalies.

**d. Risks**

No risks are involved in generating the results.

**e. Dependencies with other requirements**

The VS will depend on the valid parameters from the user. This has been addressed in functional requirement 1. This requirement also interacts with the Help Function in the case the trader wants more information or experiences an error.

6. **Provide online help and tutorial.**

a. **Description**

Extensive help will be provided to the traders. The Help section will cover topics explaining the functionality of the system: calculating stock option pricing, generating volatility smiles, adding an algorithm, and a troubleshooting section. The Help topics will be indexed to provide context sensitive help from error messages received in other parts of the application or by clicking the Help button on a screen. There will be tutorial video that can be completed in under 5 minutes each will cover topics such as, Getting Started, How to Create a Query, andUsing Advanced Features.

**b. Criticality**

This function is not required for the system to function. As the traders are switching from legacy system to a new system, it is important to have a easy to understand help section. It is also important to increase usability of the system.

**c. Technical Issues**

Every GUI element in the user interface should be linked to specific help sections to provide immediate help regarding the section of interest.

**d. Cost and schedule**Creation of tutorialwill be additional activity with minimum cost requirement. The documentation will be started with development and constantly updated throughout the software development life cycle.

**d. Risks**

There is no risk associated with this requirement.

e. **Dependencies with other requirements**

This requirement interacts with all other aspects of the system to provide assistance to the user.