Quantitative Analysis

A Quantitative Analysis often involves more sophisticated techniques, usually requiring Computer Software.

To some people this is the most formal aspect of the whole process Requiring:
- **measurement of uncertainty in Cost and time Estimates.**
- **Probabilistic Combination of individual uncertainties.**

An initial qualitative analysis is essential.

Basically Quantitative approach uses the technique such as expected value, decision Tree analysis, payoff matrices, and modeling and Simulation.

Quantitative Risk Analysis Outputs Are :-

- **Prioritized Risk lists :-**

  We get a list in which all identified risks are prioritized.

- **Probabilistic Cost and Schedule Estimate :-**

  We get probabilistic Cost and Schedule Estimate which helps the Project manager allocate reserve Accordingly.

- **Performance Parameters and Validating Technical Performance :-**
  Probabilistic estimates of meeting desired technical performance Parameters and validating technical Performance of key Components.

Computer Science Lectures By E.R. Deepak Garg