**Assignment #1**:

Write about the following

**1) Triple constraint**

The triple constraint is defined by the following three

* Scope
* Schedule
* Cost

The above three are inter dependant on each other. If one of them is altered, it tends to alter atleast one more of the constraints.

The quality of the project is driven by these is determined by the boundaries of the triple constraint.

**2) 5 process groups**

The 5 process groups are as follows

* Initiation: involves defining the process activates and skills to define a project. Most permissions and initial budget are estimated to start the project.
* Planning: involves setting up resources, workflow, tasks and activates required for the smooth running of the project. Planning phase sets up the project infra Structure.
* Execution: involves managing teams and resources to perform tasks as set in the planning phase.
* Monitoring: involves monitoring activates to make sure the project is being executed as planned. This involves making sure the budget and expected milestones are as expected. Problems in execution and mitigation activities are discussed and implemented.
* Closure: This the official closing of the project. The required documentations are submitted and final achievement is projected by the PM.

**3) Project Charter**

The Project Charter is the official document that gives the legal status to launch a project. It contains all the details such as

* Scope
* Resource
* Budget
* Time
* Purpose,etc.

**4) Top D own and Bottoms up Estimation**

Top Down Estimation:

* Top Down Estimation is an approximate estimation of the resource and schedule required for the project.
* It is estimated based on experience and information available at that point of time.

Bottom- Up Estimation:

* For Bottom up estimation, the entire activates of the project are outlines and most accurate resources are allocated to each of the tasks. Once all the data is available, the true estimation is calculated as the total of all resources for all tasks.
* It is time consuming and all the detailed steps are required.