**VERSION CONTROL SYSTEM**

Version control is also known as

1.revision Control

2.source control

3.source code management

It refers to a group of systems that handle the changes in computer systems, documents and vast web pages

A vcs is more like a database which allows you to have your ss of project anytime .it shows you how exactly your new version is different from that

Previous version

**WHY USE IT**

Collaboration,

Storing new versions,restoring previous versions

Understanding what happened and backup

**WHAT IS THE NEED OF VCS**

5 W’s(code is organized inside the library)

Who made the change

What has changed

Where the change has been made

When was the change made

Why was the change made

**HISTORY OF VCS**

Local only,Centralized,Distributed

**First generation-Local only**

SCCS-1972,RCS-1982

**Second generation-centralized**

CVS-front end for rcs

SVN -successor of cvs

Perforce

Team foundation server(TFS by MICROSOFT)

**Third Generation-Distributed**

Bit keeper

Git

**GIT**

Git is distributed version control for tracking code changes in software development.

* Developed by Linus Torvalds
* version control for Linux

**TERMINOLOGY**

**Working files**-that are currently on file system

**The Stage-** Staging is the first step to create commit

The stage is what you use to tell Git which changes to include in the commit

**Checkout –** replace the current working files from specific branch

git diff- see which changes exist

git add – file changes should be added to the stage

git status – to see changes in the working files

git commit – to convert all staged changes to commit