**National Institute of Technology, Warangal**

**Network Security**

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**Minor 2 Assignment**

**Topic – *SVN Commands***

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**MCA – 3rd Year**

1. Install the subversion, apache2 and libapache2-svn packages.

# apt-get install subversion

# apt-get install apache2

# apt-get install libapache2-svn

1. Create an svn directory, at the root of your system for example.

# mkdir /svn

1. Change the owner of the directory to the webserver user, www-data by default.

# chown divy-demo: divy-demo /svn

1. Switch to divy user.

# su - divy-demo

1. Create a new SVN repository, divy\_repo for example.

# svnadmin create /svn/ divy\_repo

1. Create a user and a password.

# htpasswd -cmb /svn/passwd talend\_admin secretpassword

1. Restart Apache Subversion.

# /etc/init.d/apache2 restart

1. Create place for repository.

# sudo mkdir –p /svn\_des/repos

1. Create repository named as version1.

# sudo svnadmin create /svn\_des/repos/version1

1. Now change our permissions in repository.

# sudo gedit /svn\_des/repos/version1/conf/svnserve.conf

1. Now open password file to give password.

# sudo gedit /svn\_des/repos/version1/conf/passwd

1. Start our svnserver

# sudo svnserve -d -r /svn\_des/repos/

1. Now we will import our project into repository.

# svn import version1/ svn://10.0.2.15/version1

1. Now we will try deleting some files.

# rm -r version1/

1. Now if we want to get the deleted things back to this we will use svn checkout option.

# svn co svn://10.0.2.15/version1

1. Add files to truck.

# svn add demo.cpp headers.h main.cpp Makefile

1. Commit the changes that we have made

# svn commit demo.cpp headers.h main.cpp Makefile -m “added successfully”

1. Now if we want to make some changes then we will copy truck data into branches and the do changes.

# svn copy svn://10.0.2.15/version1/trunk

1. Svn update command to make upto date everthing

# svn up

1. Use of merge command

# svn merge ^/trunk

1. Commit the merge

# svn commit -m “final merge”

1. Reintegrate the merge

# svn merge --reintegrate ^/branches/changes

1. Commit the merge

# svn commit -m “merged development branch into trunk”

1. Check out command

# svn co svn://10.0.2.15/version1