

		Hope Foundation's	
		Finolex Academy of Management and Technology, Ratnagiri Information Technology Department	
Subject name: DevOps Lab			Subject Code: ITL803
Class	BE IT	Semester – VIII (CBCGS)	Academic year: 2019-20
Name of Student		QUIZ Score :	
Roll No		Assignment/Experiment No.	03
Title: Integrating Jenkins to the GitHub to automate the jobs with every commit on GitHub			

1.Course objectives applicable

LOB3. To understand different Version Control tools like GIT, CVS or Mercurial

2. Course outcomes applicable:

LO2 -Remember the importance of DevOps tools used in software development life cycle

3. Learning Objectives:

1. To understand the integration of Jenkins with GitHub
2. To understand the working of GitHub

4. Practical applications of the assignment/experiment: Adding the developed source code to the central repository for safety reasons and also to perform auto building the code from different developer

5. Prerequisites:

1. GitHub account
2. Internet Access
3. GitHub commands

6. Hardware Requirements:

1. Internet Access with Browser
2. Access to root privileges

7. Software Requirements:

Jenkins and git utility

8. Quiz Questions (if any): (Online Exam will be taken separately batchwise, attach the certificate/ Marks obtained)

1. What GitHub?
2. What are the commands to push code to GitHub ?
3. How to clone any gitHub repository?

9. Experiment/Assignment Evaluation:

Sr. No.	Parameters	Marks obtained	Out of
1	Technical Understanding (Assessment may be done based on Q & A <u>or</u> any other relevant method.) Teacher should mention the other method used -		6
2	Neatness/presentation		2
3	Punctuality		2
Date of performance (DOP)		Total marks obtained	10
Date of checking (DOC)		Signature of teacher	

11. Installation Steps / Performance Steps –



Configure Global Security

☒ Enable security

TCP port for JNLP slave agents: ☐ Fixed : ☒ Random ☐ Disable

Disable remember me ☐

Access Control

Security Realm

- ☐ Delegate to servlet container
☒ Github Authentication Plugin

Global Github OAuth Settings

Github Web URI

Github API URI

Client ID

Client Secret

OAuth Scope(s)

- ☐ Jenkins' own user database
☐ LDAP
☐ Unix user/group database

Authorization

- ☐ Anyone can do anything
☒ Github Committer Authorization Strategy

Github Authorization Settings

Admin User Names

Participant in Organization

Use Github repository permissions ☐

Grant READ permissions to all Authenticated Users ☐

Grant CREATE Job permissions to all Authenticated Users ☐