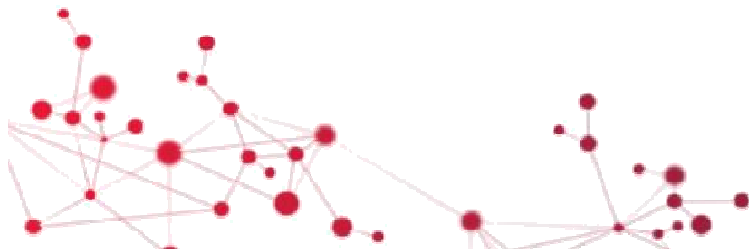


# Introduction to Continuous Integration with Jenkins Server

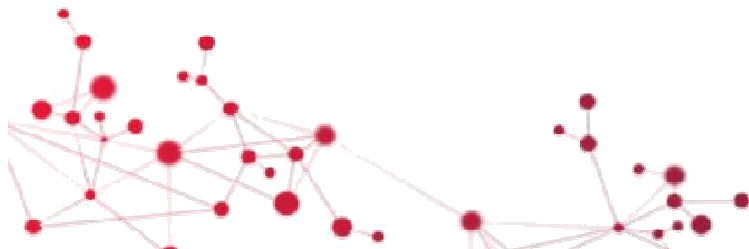
Prakash Badhe

Mail: [prakash.badhe@vishwasoft.in](mailto:prakash.badhe@vishwasoft.in)



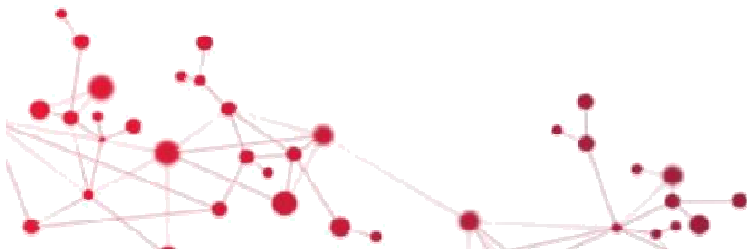
# About Me and Topic : Prakash Badhe

- ✓ Training Experience : 20+ years.
- ✓ Experience in the current topic: 10+years.
- ✓ Objectives of this course: To Introduce continuous integration with Jenkins
- ✓ Deliverable for the trainees if any: Learn and practice CI with Jenkins.



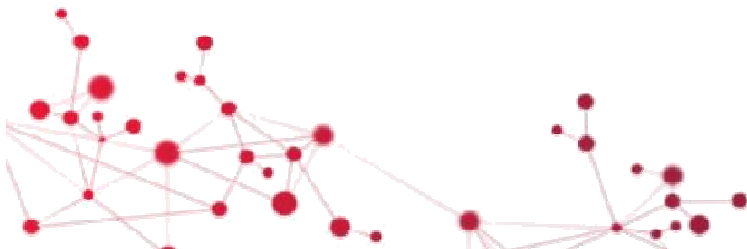
# About You :Prerequisites

- Experience in web applications
- Knowledge about java web applications.
- Knowledge about networking for web applications
- Knowledge about testing process.
- Exposure to Docker containers
- Exposure to build automation tools
- Any earlier experience with Jenkins ?



# Setup

- Windows 10 Or Linux Ubuntu 64 bit
- Google Chrome/ Mozilla Firefox browser
- JDK 1.8
- Eclipse-2020
- GIT
- Jenkins ver. war file
- Docker
- Open Internet connection
- Admin rights



# Agenda

- Introduction to TDD and code refactoring
- Testing with mock objects
- Introduction to Apache Ant for automation
- Introduction to Continuous Integration process
- Getting started with Jenkins
- Jenkins jobs for project build stages
- Jenkins pipeline jobs
- Groovy introduction
- Jenkins scripting with groovy
- Docker integration with Jenkins
- Jenkins jobs troubleshooting

