FOUNDATIONS OF DEVOPS AND GITHUB

Event No	CS053
Organizing Department	Computer Science and Engineering
Date	31/03/2023 to 01/04/2023 (2 Days)
Time	09:00 AM to 04:15 PM
Event Type	VAC / Training Program
Event Level	Dept. Level
Venue	High Performance Computing Laboratory
Total Participants	72
Industry Personnel	1
Faculty - Internal	1
Students - Internal	70

Related SDG

Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Alad Manoj Peter	Information Technology Strategist	Next99, Chennai	admin@next99.com	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Yuvaraj N	Convenor
2	Jenifa G	Coordinator

Outcome

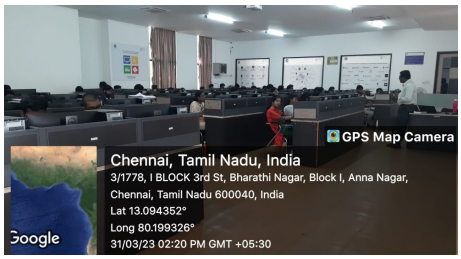
Understand the Introduction to DevOps and it's Lifecycle
Working of the DevOps tools
Working with Docker configuration and version control

Event Summary

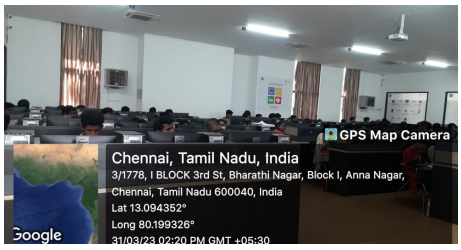
The following concepts were discussed in the two-day session on DevOps and Github:
DevOps is a collaboration between Development and IT Operations to make software production and Deployment in an automated & repeatable way.
DevOps helps increase the organization's speed to deliver software applications and services
A DevOps Engineer is a professional who combines software development and operations expertise in order to streamline the software delivery process.
DevOps Engineers work to bridge the gap between development and operations teams, and are responsible for creating and implementing processes and tools that allow for continuous integration, testing, and deployment of software.
The main goal of a DevOps Engineer is to facilitate collaboration and communication between development and operations teams, in order to deliver high-quality software products more efficiently and effectively.
DevOps Engineers are also responsible for monitoring and maintaining the infrastructure that supports the software delivery process.
Git is an open-source distributed version control system.
Git is foundation of many services like GitHub and GitLab, but we can use Git without using any other Git services. Git can be used privately and publicly.
A version control application allows us to keep track of all the changes that we make in the files of our project.

Jenkins is a software that allows continuous integration. Jenkins will be installed on a server where the central build will take place. Continuous Integration is a development practice that requires developers to integrate code into a shared repository at regular intervals. Jenkins builds and tests our software projects which continuously making it easier for developers to integrate changes to the project, and making it easier for users to obtain a fresh build.

Click to View



Click to View



Click to View

***** END *****