VVIT
VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY

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Introduction to Git and GitHub

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TOPICS :

- Version Control System
- Git
- Github
- Git Commands
- Installing Git for Windows
- Creating a Github Repository

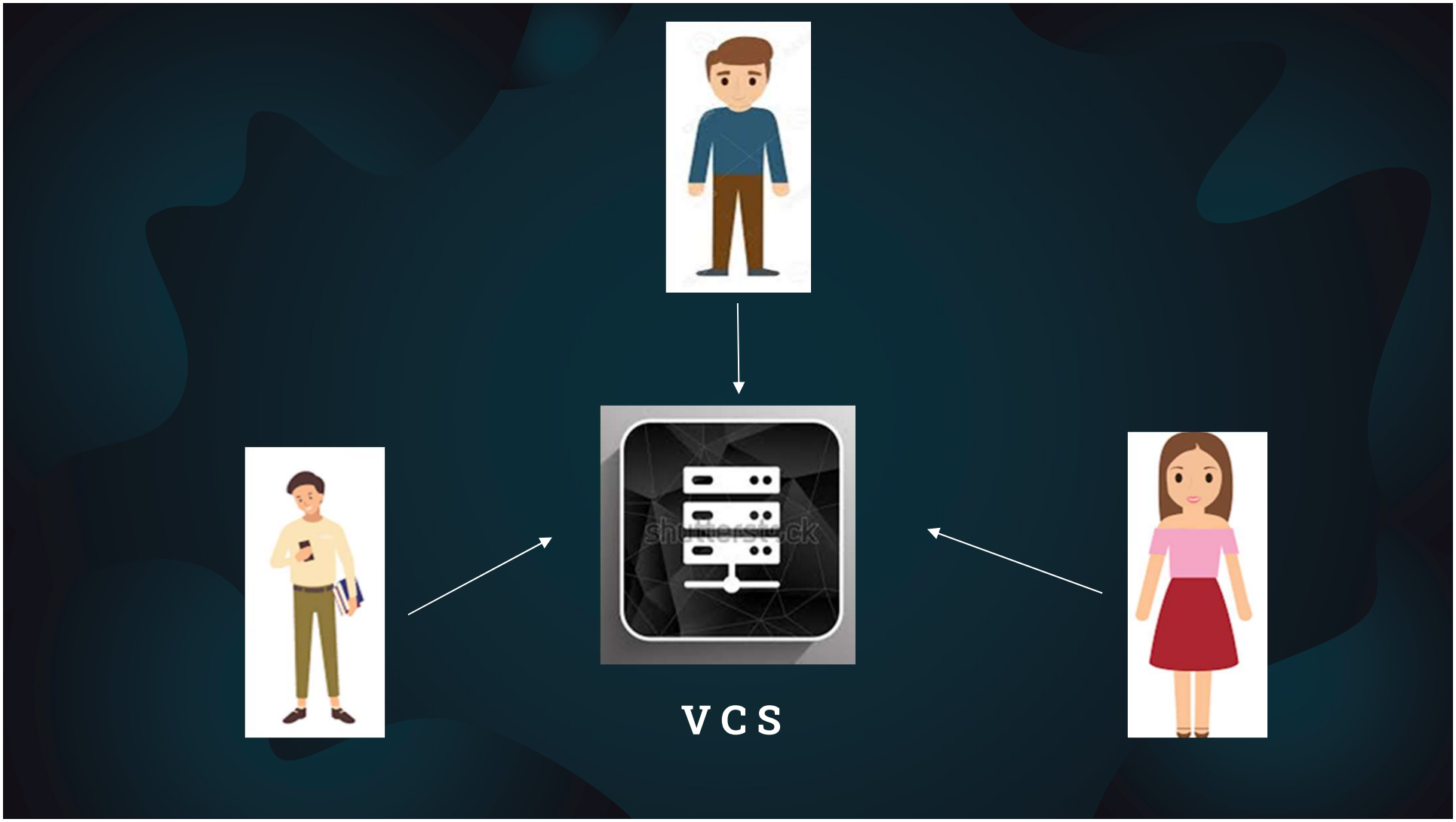
Version Control System

Version Control System :

Version Control Systems are a category of software tools that helps record changes to keeping a track of modifications.

Types :

1. Local version control systems
2. Centralized version control systems
3. Distributed version control systems


VCS

Introduction to GIT

What is Git?

- Git is a version control system for tracking changes in computer files. It is used for coordinating work among several people on a project and tracking progress over time
- It is used for Source Code Management in software development

What is Git?

- Git favors both programmers and non-technical users by keeping track of their project files
- It allows multiple users to work together
- Large projects can be handled efficiently

Introduction to GITHUB

What is GitHub?

- GitHub is a Git repository hosting service, which provides a web-based graphical interface
- GitHub helps every team member to work together on the project from anywhere and makes it easy for them to collaborate

GIT Commands

Git commands

Git config	Configure the username and email address
Git add	Add one or more files to staging area
Git diff	View the changes made to the file
Git init	Initialize a local Git repository
Git commit	Commit changes to head but not to the remote repository

Git commands

Git reset	Undo local changes to the state of a Git repo
Git merge	Merge a branch into an active branch
Git status	Displays the state of the working directory and staging area
Git push	Upload content from local repository to a remote repository
Git pull	Fetch and download content from a remote repository

Installing Git for Windows

Creating a Github Repository

GitHub GUI

Thank You For Watching