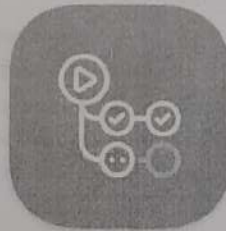




APSSDC
Andhra Pradesh State Skill Development Corporation
(Department of Skills Development & Training, Govt of Andhra Pradesh)



SOURCE CODE MANAGEMENT USING GIT & GITHUB



GitHub Actions



apssdc.in



AP State Skill Development



AP_Skill



1800-425-2422



Introduction:

Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency. Git is easy to learn and has a tiny footprint with lightning fast performance. It outclasses SCM (Software Code Management) tools like Subversion, CVS, Perforce, and ClearCase with features like cheap local branching, convenient staging areas, and multiple workflows.

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Software Documentation / Technical Documentation is an important task during the product development so that the users need not to worry about how to use your product. From a very small project to a project with a huge number of developers, technical documentation writing is easy by using ReadTheDocs and Sphinx tools.

Duration:

- 6 Days or 36 Hours.

Syllabus:

- Introduction To Source Code Management
- Git Basics
 - Initializing repositories
 - Accessing Existing Repositories
 - Adding / Removing files from Staging area
 - Committing the changes to repository
 - Undoing the commits that are made
- Remote
 - Creating an Account on GitHub
 - Create a remote repository
 - Adding the remotes
 - Push, pull and fetch commands.
- Markdown Syntax
 - Adding text of various styles and formats
 - Adding images along with text
 - Creating Ordered / Unordered lists-
 - Adding videos/pdfs to the markdown file
 - Adding links in the markdown file.

Key Note Address of Workshop

Timings : 5:00 PM - 7:00 PM - 2 hours

DAY-1

Hour	Topic name	Sub topics
5:00 PM - 6:00 Pm	Why Git & GitHub	Introduction to Git & GitHub Basic Linux Commands
6:00 PM - 7:00 PM	Installing and Version Control	Installation Of Git Bash Shell Stages of Files, Control of versions

DAY-2

Hour	Topic name	Sub topics
5:00 PM - 6:00 Pm	Commits	Rename the commits, Delete the commits
		Commits in between Dates
6:00 PM - 7:00 PM	Clone	Download of public repository to local repository and working on commits

DAY-3

Hour	Topic name	Sub topics
5:00 PM - 7:00 Pm	Remotes	Send the files from local to remote repository(vice versa) pull and push

DAY-4

Hour	Topic name	Sub topics
5:00 PM - 6:00 Pm	Branches	Introduction to Branches
		Create Branch, Merge Branch, Delete Branch
6:00 PM - 7:00 PM	Fork, Contribute, Collaborator	Public Repository Copy to own Github Account Contribution to Developer and how to work as a team in single repository

Key Note Address of Workshop

DAY-5

Hour	Topic name	Sub topics
5:00 PM - 6:00 Pm	Markdown Syntax	Document Creation using Markdown Syntax
6:00 PM - 7:00 PM	Profile Host	Profile Host using Github

DAY-6

Hour	Topic name	Sub topics
5:00 PM - 7:00 Pm	Technical Documentation	ReadtheDocs Sphinx

GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institution with Permanent Affiliation to JNTUK,Kakinada)

Seshadri Rao Knowledge Village, Gudlavalleru - 521356

DEPARTMENT OF INFORMATION TECHNOLOGY

II B.TECH. II SEM. (2020-2021)

Source Code Management Using GitHub

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Summary

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Certificate of Participation



Cert.No. SDC-SCM-4514

Regd Id : 19481A1212

This is to certify that Mr./Ms./Mrs..... B.M.V.Lakshman
of Gudlavalleru Engineering College has successfully
participated in Online Training Program on Source Code Management Using Git & Github
held from 07-06-2021 to 12-06-2021

Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC

Sri N. Bangaru Raju
MD, APSSDC



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Certificate of Participation



Cert.No. SDC-SCM-4553

Regd Id : 19481A1276

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of Gudlavalleru Engineering College has successfully
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PROGRAM REPORT

Name of the Program : Workshop on “Online SDP On Source Code Management Using GitHub”

Dates : 07-06-2021 to 12-06-2021

Details of the Resource Person : Harideep K, Anil P,
APSSDC

Objective of the Program:

- To let students know how to file and configuration management and version control capabilities to ensure development teams are always working with the latest code
- To prevent students from overwriting each other's code changes.

Outcomes of the Program:

- Students can access to multiple platforms, Built-in Asset Store and Rendering Support, Integration and Customisation of UI and can built the game.

No. of Participants : 100

Concluding Remarks : Source code management (SCM) is used to track modifications to a source code repository. SCM tracks a running history of changes to a code base and helps resolve conflicts when merging updates from multiple contributors.


Coordinator


HoD, IT