

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING - AI & ML

Course with Code: Project Management with Git- 1BCSL307A				Faculty: Dr.Hussana Johar R B			Semester & Section: 3	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
1.		Introduction and Commonly used Linux commands	Terminal (Git CLI))+Git Repository					
2.		Setting Up and Basic Commands Initialize a new Git repository in a directory. Create a new file and add it to the staging area and commit the changes with an appropriate commit message.	Terminal (Git CLI))+Git Repository					
3.		Creating and Managing Branches Create a new branch named "feature-branch." Switch to the "master" branch. Merge the "feature-branch" into "master."	Terminal (Git CLI))+Git Repository					
4.		Creating and Managing Branches Write the commands to stash your changes, switch branches, and then apply the stashed changes.	Terminal (Git CLI))+Git Repository					
5.		Collaboration and Remote Repositories Clone a remote Git repository to your local machine.	Terminal (Git CLI))+Git Repository					

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING - AI & ML

6.		Collaboration and Remote Repositories Fetch the latest changes from a remote repository and rebase your local branch onto the updated remote branch.	Terminal (Git CLI))+Git Repository					
7.		Collaboration and Remote Repositories Write the command to merge "feature-branch" into "master" while providing a custom commit message for the merge.	Terminal (Git CLI))+Git Repository					
8.		Git Tags and Releases Write the command to create a lightweight Git tag named "v1.0" for a commit in your local repository.	Terminal (Git CLI))+Git Repository					
9.		Advanced Git Operations Write the command to cherry-pick a range of commits from "source-branch" to the current branch.	Terminal (Git CLI))+Git Repository					
10.		Analysing and Changing Git History Given a commit ID, how would you use Git to view the details of that specific commit, including the author, date, and commit message?	Terminal (Git CLI))+Git Repository					
11.		Analysing and Changing Git History Write the command to list all commits made by the author "JohnDoe" between "2023-01-01" and "2023-12-31."	Terminal (Git CLI))+Git Repository					
12.		Analysing and Changing Git History Write the command to display the last five commits in the repository's history.	Terminal (Git CLI))+Git Repository					



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING - AI & ML

13		Analysing and Changing Git History Write the command to undo the changes introduced by the commit with the ID "abc123".	Terminal (Git CLI)+Git Repository					
14		Lab IA	Questions					

	Activity	Planned	Actual	Remarks
1	Practical Classes	24(12 Session)		
2	Assignments/ Quizzes/ Self-study/Programs	-		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	2		
5	ICT based Teaching(% of usage in Curriculum)	100%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	