**MAWLANA BHASHANI SCIENCE AND TECHNOLOGY UNIVERSITY**

SANTOSH, TANGAIL-1902



Department of Information of Communication Technology

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| LAB Report |

**Lab report No:** 03

**Lab report on:** Linking GitHub with Visual Studio Code

**Course title:** Internet and Web Programming Lab

**Course Code**: ICT-4108

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| Submitted By  Md. Shahidul Islam  ID : IT-21024  4th Year 1st Semester  Session : 2020-2021  Dept. of ICT, MBSTU | Submitted To  Md. Anowar Kabir  Lecturer  Dept. of ICT,MBSTU |

Date of Performance:

Date of Submission: 24.05.2025

**Lab Report No:** 03

**Lab report Title**: Linking GitHub with Visual Studio Code

## ****Objective:****

The objective of this lab is to:

* Learn how to link GitHub with Visual Studio Code (VS Code).
* Understand how to initialize a Git repository in VS Code.
* Easily push code to a GitHub repository.

## ****Tools Required:****

* Visual Studio Code (VS Code)
* Git
* GitHub Account
* Internet Connection

## ****Pre-requisites:****

* Git installed on the system
* GitHub account logged in
* Visual Studio Code installed

## ****Step-by-Step Procedure:****

### ****Step 1: Install Git****

* Download from [https://git-scm.com](https://git-scm.com/)
* Verify installation: git --version

****Step 2: Configure Git (One Time Only)****

**git config --global user.name "Your Name"**

**git config --global user.email "**[your\_email@example.com](mailto:your_email@example.com)**"**

### ****Step 3: Create a GitHub Repository****

* Go to [https://github.com](https://github.com/)
* Click **New Repository**
* Name it (e.g., my-vscode-project)
* Click **Create Repository**

### ****Step 4: Open VS Code and Project Folder****

* Launch VS Code
* Open your project folder:
  + File → Open Folder

### ****Step 5: Initialize Git in VS Code****

* Open Terminal (`Ctrl + ``)
* Run: git init

**Step 6: Connect to GitHub Remote Repository**

run: git remote add origin https://github.com/yourusername/my-vscode-project.git

run : git remote -v

### ****Step 7: Add, Commit, and Push Your Code****

#### **Using Terminal:**

**git add .**

**git commit -m "Initial commit"**

**git branch -M main**

**git push -u origin main**

#### **Using VS Code GUI**

* Click on **Source Control** icon
* Click **+** to stage changes
* Write commit message → Click **✓ Commit**
* Click **…** → **Push**

### ****Step 8: Verify****

* Visit your GitHub repository page
* Your code should be uploaded

## ****Results:****

GitHub was successfully linked with VS Code and code was pushed using both terminal and GUI methods.

## ****Conclusion:****

By following these steps, linking VS Code with GitHub becomes seamless. This enables smooth collaboration, backup, and version control of code projects directly from your development environment.