

Introduction to Anaconda Software, Git and GitHub

Installation and usage of Anaconda, Git and Github

01/07/2026

Estimated Time to Complete : 2 hrs

Objectives

Upon completion of this tutorial, you will be able to:

- **Use Anaconda Software for your Python Based Projects**
- **Use Git and GitHub**

Materials & Prerequisites

- **Materials/Equipment:**
 - Computer
 - Internet connection
 - Email Address
- **Prerequisite Knowledge/Skills:**
 - None

Procedure: Step-by-Step Instructions

- Step 1: Download the Anaconda Software and Install it following the screen instructions
- Step 2: Create a virtual environment for Python by following the instructor instructions
- Step 3: Download and install Git following the screen instructions
- Step 4: Create a GitHub Account by following the instructor instructions
- Step 5: Use Git to interact with the GitHub repository

Learning About the Software

- Expected outcome
 - Students will be able to create virtual environments for different projects.
 - Use Git for version control and project management.
 - Create a GitHub account and use it for their projects.

Results

- Students will use Anaconda for larger projects, better version management avoiding the conflicts.
- They will use Git in their future projects.
- They will share their projects using the GitHub repository.

Summary & Inference

In this lab the students become familiar with two different softwares that can help them manage their projects in a better, efficient and professional way. It will help them to work on their projects in a more organized manner. Also they get introduced to basic services provided by the GitHub which will help them to showcase and share their projects with other people. It also enables them to contribute to the other community projects in a meaningful way.