

Task 1: Introduction to Version Control with GitHub

The design of this task will introduce students to collaborative software development using Git and GitHub, which are essential tools for managing robotics programming and team projects.

Objective of the Task

The objective of this task is to help students gain practical understanding of:

1. Version control fundamentals using Git.
2. Repository management and collaborative workflows on GitHub.
3. Proper project documentation and code submission processes.

Instructions for Performing the Task

1. Create a GitHub account and configure a local Git environment on your computer.
2. Initialize a new public repository on GitHub named "RAW-Recruitment-Task".
3. Create a README markdown file containing a brief introduction about yourself and your motivation to join Team Robotics Automation Wings.
4. Write a simple program (e.g., a basic calculator or a "Hello World" script in C) and commit this file to your main branch.
5. Create a new branch named "feature-update" in your local repository.
6. Modify your code file within this new branch (e.g., add a new function or a print statement) and commit the changes.
7. Push the new branch to GitHub and open a Pull Request from the "feature-update" branch to the main branch.

Requirements for Submission

Students must submit the following:

1. The direct URL link to the public GitHub repository.
2. A screenshot showing the successfully opened or merged Pull Request.
3. A screenshot of the local Git terminal showing your commit history.

Note and Evaluation Details

- The use of command-line Git instructions via terminal or command prompt is mandatory.
- The README documentation should be neat, properly formatted, and accurately detail the code you have written.