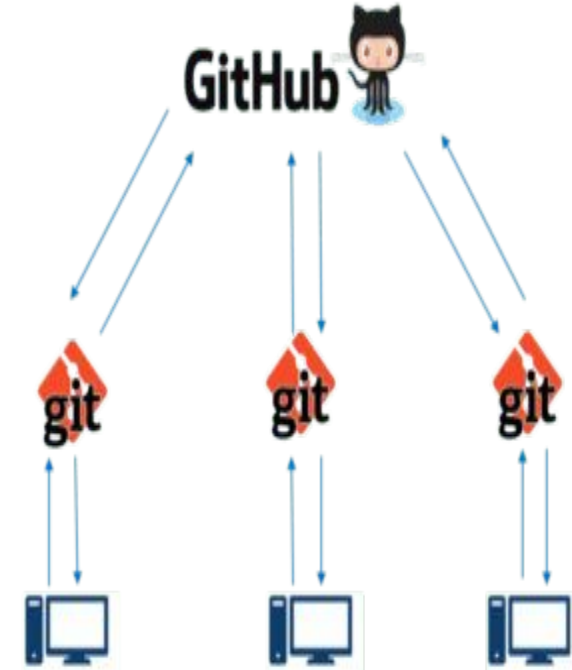




# GITHUB

## *What is GitHub?*

- **Git hub is a core hosting platform for version control collaboration.**
- **Git push or pull data from the central server.**
- **GitHub is a company allows you to host a central repository in a remote server.**





# THE NEED FOR GITHUB



- **Developer need a web/cloud.**
- **Based code hosting.**
- **Useful for version control.**
- **Enables effective collaboration.**
- **Download project and files in one go**
- **Easy evaluation of each other's work.**



# FEATURES OF GITHUB:-

## 1. Easy project management

*GitHub is a place where project managers and developers come together to coordinate, track, and update their work so that projects are transparent and stay on schedule.*



## 2. Increased Safety With Packages

**Packages can be published privately, within the team, or publicly to the open-source community. The packages can be used or reused by downloading them from GitHub.**



## 3. Effective Team Management

**GitHub helps all the team members stay on the same page and organized. Moderation tools like Issue and Pull Request Locking help the team to focus on the code.**

## 4. Improved Code Writing

**Pull requests help the organizations to review, develop, and propose new code. Team members can discuss any implementations and proposals through these before changing the source code.**

The screenshot shows the GitHub repository page for 'Open Science in Phytolith Research'. The page is annotated with ten numbered callouts:

- 1. Project**: Points to the repository name 'Open Science in Phytolith Research'.
- 2. Issues**: Points to the 'Issues' tab in the repository navigation bar.
- 3. Files**: Points to the file browser section showing a list of files like 'LICENSE', 'README.md', and 'contributing.md'.
- 4. Landing page or README.md file**: Points to the 'Open Science in Phytolith Research' section at the bottom of the page.
- 5. Insights**: Points to the 'Insights' tab in the repository navigation bar.
- 6. Edit repo details**: Points to the 'About' section of the repository.
- 7. Description of the repository**: Points to the project description text: 'Project to create community awareness of open science practices, provide training and establish a working group for open science.'.
- 8. Link for Git pages**: Points to the 'About' section, which includes links for 'phytoliths', 'open science', and 'open data'.
- 9. Topic labels**: Points to the 'About' section, which includes a 'Relevant topics' section.
- 10. License**: Points to the 'Licenses' section on the right side of the page.



## **5. Increased Code Safety**

***GitHub uses dedicated tools to identify and analyze vulnerabilities to the code that other tools tend to miss. Development teams everywhere work together to secure the software supply chain, from start to finish.***

## **6. Easy Code Hosting**

***All the code and documentation are in one place. There are millions of repositories on GitHub, and each repository has its own tools to help you host and release code.***



*Thank you*

