**R&D on GIT & GITHUB**

- Research & Document:

- Explore the basics and advanced features of Git and GitHub.

- Understand version control, branching, merging, and collaboration using GitHub.

- Create a document summarizing your findings, including:

- Key Git commands (e.g., `git init`, `git clone`, `git commit`, `git push`, `git pull`, etc.).

- GitHub features (e.g., repositories, issues, pull requests, GitHub Actions).

- Look for best practices in using GitHub for project management and collaboration.

- Push Tasks to GitHub:

- Initialize a Git repository in your project directory if not already done:

```bash

git init

```

- Add My files to the staging area:

```bash

git add .

```

- Commit My changes with a meaningful message:

```bash

git commit -m "Completed task XYZ"

```

- Link MY local repository to a GitHub repository (if not already done):

```bash

git remote add origin <your-github-repo-url>

```

- Push My changes to the GitHub repository:

```bash

git push origin main

```

**R&D on Hosting**

- Research & Document:

- Investigate various hosting platforms, with an emphasis on open-source options like Vercel.

- Understand the process of deploying a project, including setting up the hosting platform and linking it to your GitHub repository.

- Create a document that includes:

- A comparison of different hosting platforms.

- Step-by-step deployment guide for at least one platform (preferably Vercel).

- Tips for managing and maintaining hosted applications.

**Host My Tasks:**

- Sign up for a hosting platform (e.g., Vercel).

- Connect My GitHub repository to the hosting platform.

- Deploy My project following the platform's guidelines.

- Test the hosted application to ensure it works as expected.

- Prepare the hosted link to share in the evening meeting.

**Step-by-Step Guide**

1. Complete Yesterday's Task:

- Review and finalize the assigned work.

- Test for any issues and fix them.

- Prepare it for submission or next phase.

2. R&D on GIT & GITHUB:

- Research Git basics, commands, and GitHub features.

- Document findings.

- Initialize Git repository in project folder if not done.

- Add files, commit changes, link to GitHub repo, and push changes.

- Provide GitHub repo link.

3. R&D on Hosting:

- Research hosting platforms and document findings.

- Compare platforms and choose one (e.g., Vercel).

- Sign up and link GitHub repo to the hosting platform.

- Deploy project and test.

- Provide hosted link.