

Report on Workshop “Mastering GitHub: A Hands-on Workshop” organised by the Dept of Computer Application

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**Report on Workshop
“Mastering GitHub: A Hands-on Workshop”**

Dear All,

The Department of Computer Application at Integral University, Lucknow, successfully organized an online workshop titled “**Mastering GitHub: A Hands-on Workshop**” on **10th–11th** commencing at **2:00 PM** via virtual mode.

The objective of the workshop was to provide participants with practical knowledge and hands-on experience in using **GitHub** and the underlying version control system **Git**. The session focused on how to efficiently manage source code for academic and professional projects, collaborate with team members remotely, and contribute to shared codebases without conflicts.

The resource person for the workshop was **Mr. Hifzurrahman**, Assistant Professor, Department of Computer Application, Integral University, Lucknow. Mr. Hifzurrahman, who has extensive experience in software development using Git and GitHub, delivered a comprehensive hands-on session. He demonstrated how to clone remote repositories, develop and test code, and contribute back to the main repository without interfering with other developers' work.

Key topics covered during the workshop:

- Problem working on project in solo or as a team
- Importance of version control systems
- Core concepts and benefits of Git and GitHub
- Workflow of git and some git commands.

Demonstrations done during the workshop :

- Creating a GitHub account, setting up a remote repository and Forking other's repositories.
- Installing and configuring Git locally
- Cloning a remote repository and initializing a Git directory
- How to initialize working space as a Git directory
- Creating and managing branches for independent development
- Committing changes with proper messages and pushing updates
- Merging branches and resolving merge conflicts
- Reverting to previous versions of the codebase

The session emphasized best practices for collaborative development, such as branch-based workflows and conflict resolution strategies.

The workshop was actively attended by students from the **BCA** and **MCA** students. The event was smoothly coordinated by **Mr. Motasim Rasool**, Assistant Professor, Integral University.

Glimpses of the Event:



Regards
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