

Faculty of Technology and Engineering

U & P U. Patel Department of Computer Engineering

Date: 12-10-2023 &

13-10-2023

Event Application No in E-governance:

Event Name: Hands-On Session on Git & GitHub

Introduction:

On the 12th and 13th of October 2023, a hands-on session titled "Hands-On Session on Git & GitHub" was organized for the 1st-semester students. The event was conducted by knowledgeable 3rd-semester students who strongly understand Git and GitHub. This 2-hour session aimed to introduce the concepts of Version Control Systems, demonstrate how Git and GitHub work, and provide practical experience to the participants. The response from the students was highly positive, demonstrating the effectiveness of this educational initiative.

Learning Outcomes:

- 1. Understanding Version Control System:** The primary objective of the session was to help students gain a better understanding of Version Control Systems. By the end of the session, the participants had a clear grasp of why Version Control Systems are essential in software development and how they enhance collaboration.
- 2. Source Code Management:** The session empowered students to manage source code effectively for a wide range of projects. They learned how to create repositories, commit changes, and collaborate with their peers through Git and GitHub, providing them with practical skills that are valuable in the software development industry.
- 3. Practical Experience through Cloning:** The hands-on nature of the session was emphasized as students witnessed the practicality of Git and GitHub by cloning expert's code. This experience allowed them to explore the benefits of forking and making contributions to open-source projects, enhancing their skills and understanding.
- 4. Challenging Assignments:** At the conclusion of the session, students were given assignments designed to challenge their newly acquired Git and GitHub skills. These assignments encourage students to practice version control in real-world scenarios, further deepening their knowledge and capabilities.

Additional Learning Outcomes:

1. Effective Collaboration: Students gained an appreciation for the power of collaborative work. They learned how to resolve conflicts and work efficiently on group projects, preparing them for future collaborative endeavors.

2. Error Handling: Participants acquired essential knowledge about error handling and debugging using Git. This skill is invaluable when working on larger codebases and complex projects.

Conclusion:

The "Hands-On Session on Git & GitHub" conducted on October 12th and 13th, 2023, was a resounding success. Students left the session with improved knowledge of Version Control Systems, practical skills in using Git and GitHub, and a readiness to tackle real-world coding challenges. The positive response from the students underscores the importance of organizing such sessions to enrich the educational experience and prepare students for the ever-evolving field of software development.

Glimpse of an Event:



