# Gandhinagar Institute of Technology
A Report on
"GitHub & Azure - Code to Cloud Workshop"
(GIT-GitHub Club)
(26th March 2021, Friday)

**Webinar at a Glance:**
- Date: 26-03-2021, Time: 09:00 AM to 07:00 PM, Venue: Microsoft Teams platform.
- The session was conducted by RPS technologies on behalf of GitHub.
- There were 235 registrations across all branches of GIT.

**Objective of the event:**

This one-day, hands-on workshop on GitHub & Azure - Code to Cloud aimed at equipping next-gen developers with real-world tools. Microsoft and GitHub announced an exclusive and complementary learning session for our students. With one of a kind repository of curated content on Azure & GitHub. This workshop aimed to help students plan smarter, track work, and prevent vulnerabilities.

**Activities during the event:**

Under the aegis of GIT-GitHub Club, a one day, Azure & GitHub - Code to Cloud workshop was organized on 26th March, 2021 on Microsoft Teams platform. The session was conducted by RPS Technologies on behalf of GitHub, with a total of 235 registrations, held from 09:00 AM to 07:00 PM, students learned the importance of GitHub, Version Control and Code Maintenance.

The event started with an introduction of Git, GitHub, importance of Version control and how it can help the students. Then was explained why GitHub, how industry is using it to improve the development efficiency, code maintenance and how these skills are demanded by industry from graduate students.

The discussion gradually moved from GitHub to Azure DevOps, which provides services for teams to share code, track work, and ship software. Moreover it also provides unlimited private Git hosting, cloud build for continuous integration, agile planning, and release management for continuous delivery to the cloud and on-premises.

The workshop concluded with a hands-on demo session on how to create a Virtual Machine using tools like Microsoft Azure and Visual studio code.

**Outcomes of the event:**

The students got an opportunity to learn:
- How to deploy faster with native Azure integrations and GitHub extensions.
- How to automate code-to-cloud workflows.
- Accelerate software development.
- Upon completion students also acquired a joint certificate of participation from Microsoft and GitHub.
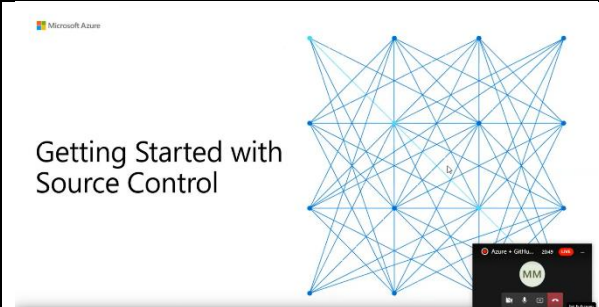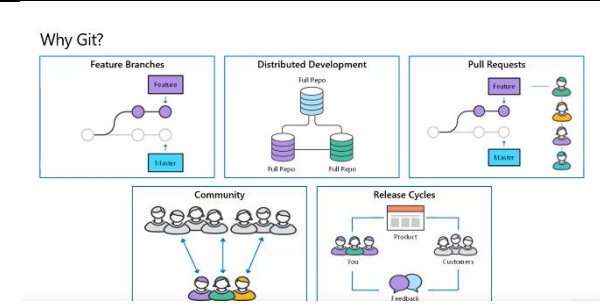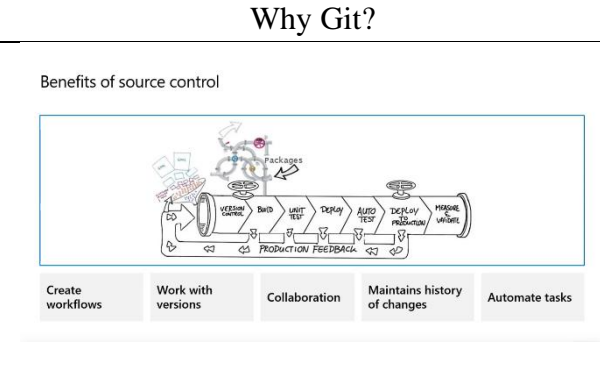
**Feedback from students:**

I was aware of tools like git and GitHub but was not aware of the various benefits provided in the GitHub for code Maintenance.

- Prof. Jalay Maru
Computer Engineering

The session was very insightful, with industry person coming to talk with us and telling us about the skills students need to enhance their career.

- Prof. Nishit Parmar
Information & Technology

**Photo Gallery:**



| Getting Started with Source Control | Why Git? |
| --- | --- |
| Why GitHub? | Benefits of Source Control |

| Azure Resources | Cloud Services |
|---|---|
| **Azure Resources**<br><br>Azure **resources** are components like storage, virtual machines, and networks that are available to build cloud solutions.<br><br>Virtual Machines　　Storage Accounts　　Virtual Networks<br><br>App Services　　SQL Databases　　Functions | **Cloud service comparison**<br><br>**IaaS**　　**PaaS**　　**SaaS**<br><br>The most flexible cloud service.　　Focus on application development.　　Pay-as-you-go pricing model.<br><br>You configure and manage the hardware for your application.　　Platform management is handled by the cloud provider.　　Users pay for the software they use on a subscription model. |