**Git-Github CodeLab**

**Introduction**

Git is an popular version control System, which having functionality of making an change-log or history of all changes made to their code while developing the project.

GitHub is primarily a web platform, which hosts code repositories along with distributed version control. Today, almost every developer working on a group project or individually uses GitHub as most important tool due to its capability of making version control easier.

These are the most used technologies for software versioning , and as open source software repositories.

**Output of this workshop**

output of this workshop will be making students aware about

* Concept of software versioning.
* Concept of working of git(most used and popular software versioning system).
* basic commands of git.
* Concept of github.
* Tips and tricks to use github effectively.
* Markdown language and its use.

Students will be requested to bring their own laptops either git installed or they will install git in workshop. We will also help students to get [student developers pack](https://education.github.com/pack) from github. At the end of workshop we will distribute student goodies from [github swag pack](https://education.github.community/t/shopping-bags-get-a-github-swag-bag-for-your-classroom/33).

**Requirements**

requirements of this workshop is

* 1 projector
* 1 collar mike
* 1 teacher to email and apply for swag bag(stickers,cheatsheets)
* auditorium / lab
* internet for students to open github
* Power sockets for students laptop/power exentions