**ASSIGNMENT -1**

**GOOGLE DRIVE:**

Google drive is one of the best cloud storage options which gives 15GB free space on opening the account. As compared to dropbox the cost of purchasing space for google drive is less. We can edit the files online which are stored in the drive (real time editing).

To avoid problem of over-riding, Individual assignments given to students are in the “view only” format so that they can make a copy of that and then modify.

The group assignments can be uploaded on the drive with “can edit” privilege so that students can edit and upload that assignment in group. The other privilege like “can view” is used to just view the file and “can comment” is used to view the file and leave comments without editing the contents. Simultaneous writing of documents is possible which helps students in sharing the files and also help them in understanding concepts of paper or coding by simultaneous sharing.

Many extensions can be saved in drive such as .Java, .xml. Google app script is cloud based development platform for creating web applications. Script editor gives fast access to all services. Drive can be used along with multiple Application Programming Interfaces to build new web apps and collaborate the apps with google drive. Google API’s and tools are build right into App-Script as services. There is HTML service used to make templates and layouts.

For non-programming courses most of the work is of presentations and paper submissions. Google docs can be used to make a document file online same as Microsoft word. Google presentation is used to make presentation online as we do using excel. Add-ons provided for google docs and spreadsheets are helpful and enhance the functionality.

**GITHUB:**

The assignments which are individually assigned to students can be done by requesting a private repository (storage location) for each assignment so that no one can access the code on which you are currently working. Private repositories are chargeable.

The group assignments can be made public and the repository owner can add the collaborators to the repository. By issuing a pull request the members of repository will be notified of the changes done to the code or assignment and also allows them to comment and add their changes to the same. The person who altered the repository may be asked to explain the code and compare it with requirements.

There are 19 repositories and 16 programming language which are supported in Github API. It’s one of the best platform for upcoming programmers or those who don’t have programming experience. The “learn programming mentoring community” boosts members to pull requests to the open source projects made in different programming languages.

Github can be used for some creative work other than for programming. It’s possible to post things like medical research, piece of musical art or any other theoretical concepts which can be publicly seen and can also be enhanced to provide a better solution through comments and issuing pull request in the repository.