

## **RESOURCES**

- **Google Collab Guide:** <https://youtu.be/inN8seMm7UI> (It's a very short video, you can checkout other videos too)
- **Basic Python:** <https://www.w3schools.com/python/> (you might be familiar with most of it by now, but it might be handy to have something in case you forget anything)
- **Numpy:** <https://www.w3schools.com/python/numpy/default.asp> (go only through the Basic part i.e skip Random & ufunc)
- **Pandas:** <https://www.w3schools.com/python/pandas/default.asp> (go only through the Basic part, Cleaning Data won't be required as of now)
- **Matplotlib:** [https://www.w3schools.com/python/matplotlib\\_intro.asp](https://www.w3schools.com/python/matplotlib_intro.asp)
- You don't need to mug up the syntax. You just need to know what utilities exist and where you can use them. You'll get used to the important syntax as we proceed.

*These are not exhaustive sources, you are totally free to checkout any article/video available on web.*

## **SOME IMPORTANT TOOLS**

- **Google Collab:** <https://youtu.be/RLYoEyIHL6A>
- **Kaggle:** <https://youtu.be/u9MIwoFWXVg>
- **GitHub:** <https://product.hubspot.com/blog/git-and-github-tutorial-for-beginners>

## **ASSIGNMENT-1**

**Please make a copy of this Google Colab notebook -**

<https://colab.research.google.com/drive/1d2UuGqoz4JZ453ola4R8RsqE28M1kdxX#scrollTo=oc77CrhjAGIR>

and answer the questions according to the instructions provided. You're welcome to utilize any online resources if you get stuck, or if you have any questions or are having trouble with the assignment, please feel free to reach out to any of the mentors for assistance.

**Remember, the purpose of this assignment is to set your hands in python programming, useful in Machine Learning and hence, it is strongly recommended to code the syntaxes with your hand and not copy it from your friends or AI tools. Also, you will learn the important skill of googling stuff wherever you get stuck from this assignment.**

What to do if you get stuck -

1. Just google it, in 99.9% cases, you will get the answer
2. If you don't get the answer by point no.1, you must ask your doubt in the WA group.

**The deadline for submitting this assignment is Saturday, 11th May EOD. Note that, deadline is sacrosanct.**

**Submission details will be shared shortly.**

**Do honestly, Happy Learning!!**

### **Submission Instructions**

Repository Link - [https://github.com/abhishekkh1701/Cycle\\_GANS\\_project](https://github.com/abhishekkh1701/Cycle_GANS_project)

- Fork the repository. A copy of this repository would be created and you would be redirected.
- In the Fork, add your submission for the respective assignment. The simplest way to do this would be to
  1. go to the Assignment\_1 folder
  2. do Add file->Upload files and select the submission from your local system.
- Once the file has been uploaded, create a new pull request to mark your submission (Click on Contribute->Open pull request).
- In the description of your pull request, please mention your Name and IITK Roll Number.

Tutorial for Github : <https://product.hubspot.com/blog/git-and-github-tutorial-for-beginners>

## **PART-B**

- [Part-B of Assignment 1](#)

You have to fill the empty functions. Do not change the test cases.