
Lab Assignment Sheet

OPEN SOURCE SOFTWARE LAB (15B17CI575)

Important Instructions:

1. Lab assignment is classified as Practice, Quiz, Evaluations, Lab test.
 2. There will be 2 lab tests: **Lab Test1 [20 Marks]** & **Lab Test2 [20 Marks]**.
 3. Lab quizzes, assignment, attendance & discipline and day-to-day work carry **60 marks**.
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Lab Assignment 1 (Practice Lab)

Topic Coverage: Introduction to GitHub & Sustainable Development Goals (SDG's)

1. Read and explore the Github and SDG's from the following links:
 - a. <https://guides.github.com/activities/hello-world/>
 - b. <https://sustainabledevelopment.un.org/?menu=1300>
2. Create a simple program and upload it on Github.
3. Extract one open source project from Github. Perform the reverse engineering of the same.

Note: Students have to upload a word file on Google classroom which contains following:

- Link of your Github account.
- C-program for the problem in Question 2.
- Write-up about your understanding for the extracted open-source project.

Open source software development

Have a quick look at this introductory video: <https://youtu.be/a8fHgx9mE5U>

1. Follow the link to general introduction:
<https://www.synopsys.com/glossary/what-is-open-source-software.html>
2. Follow the link for Open Source Software Examples (scroll down till end of page)
<https://www.designrush.com/agency/software-development/trends/open-sourcesoftware-examples>
3. Browse the list of famous free and open source software
http://adciv.org/Examples_of_free_and_open-source_software