



# Project Track(**Auto-Test**)

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# Git-Hub Repo

[HTTPS://GITHUB.COM/ARYANC403/AUTO-TEST](https://github.com/ARYANC403/AUTO-TEST) (PRIVATE)

# Problem Statement

- ▶ Create a windows based application, which takes from user test case generator, and two s/c file(.c/.cpp only), and run them on test cases generated by generator.
- ▶ And also give AC and WA verdict.
- ▶ In case of WA also shows difference b/w two output.



# Deliverables

- ▶ Backend – in c/cpp.
- ▶ Frontend using visual studio.

This will be a application created using MS visual studio and will take files as input and give the verdict accordingly. In case of WA also shows output by files.



## Plan(Tentative) -

- ▶ Feb 3 – Submit proposal
- ▶ Feb 19 – Prepare Backend
- ▶ In MidSem break – Learn to create application in visual studio
- ▶ March 16 – Testing on backend and start working on frontend
- ▶ April 14 – Prepared FrontEnd and Start Final Testing.
- ▶ April 30 – Submit final project.

## Steps(Tentative) -

- ▶ Given By Sir-
- ▶ The project will contain the following steps with tentative deadlines:
- ▶ Step 1: Discuss with your mentor and come up with a project proposal. You have to submit a 1-2 page proposal to your mentor. (February 3)
- ▶ Step 2: Work on the design of your software. Identify the user interface, structure of the code in terms of modules and their interconnections and the system level test cases. (February 17)
- ▶ Step 3: Implement the modules and perform unit testing. (March 31)
- ▶ Step 4: Integrate the modules and perform system level testing. Depending on your project you may want to carry out a user experience study. (April 21)

# Deadlines -

- ▶ Given By sir
- ▶ Timeline for submissions, reviews and presentation:
- ▶ February 3: Submission of final project proposal
- ▶ February 17: Design Review with your tutor
- ▶ March 16: Project Review with Instructor/tutor
- ▶ April 14: Project Review with Instructor/tutor
- ▶ **April 30: Final Presentation and Submission of Final Project Report**



# Why I want to do this project ??

I am active user on codechef([@aryanc403](#)). And sometimes I feel that there should be some way so that I can test my code if it is working properly/ not. Before taking a final decision to submit my code.





# Acknowledgement

ACTUAL BLOG ON CODECHEF OF WHICH THIS PROJECT IS MADE.

THROUGH ACTUAL PROJECT IS A **UBUNTU SCRIPT MINE PRJECT IS WINDOWS APPLICATION.**

CODECHEF USER - @DUSHSINGH1995