

INSTRUCTIONS FOR IOT PROJECT

Dear Students,

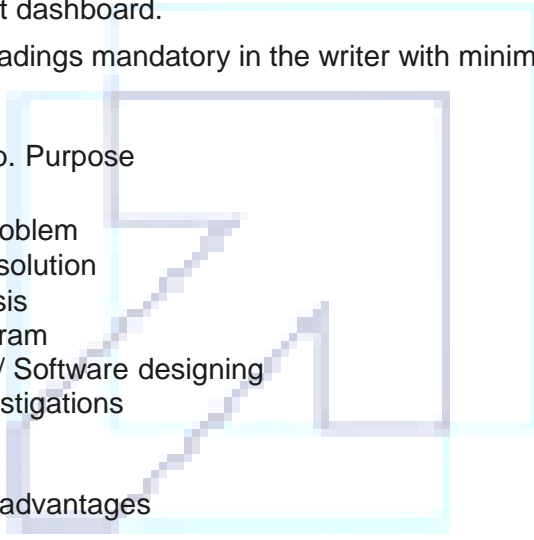
As you are assigned to the projects, you can find the allocated projects on your dashboard and your project workspace in the Guided projects tab in smartinternz portal. You can find all the instructions that are to be followed in the Project dashboard

You need to move the Kanban/progress card with 100% progress in the Task and progress avail in workspace of the project in the platform. You need to do this once after completing your project.

Note: Don't forget to change the progress to 100% in the progress card before moving.

Then comes documentation which you need to do in the Zoho writer you will find in Workspace as "Go to writer" in project dashboard.

The followings are the headings mandatory in the writer with minimum of 8 to 10 pages.

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1. Introduction
 - a. Overview
 - b. Purpose
 2. Literature Survey
 - a. Existing problem
 - b. Proposed solution
 3. Theoretical Analysis
 - a. Block diagram
 - b. Hardware / Software designing
 4. Experimental Investigations
 5. Flowchart
 6. Result
 7. Advantages & Disadvantages
 8. Applications
 9. Conclusion
 10. Future Scope
 11. Bibliography
 12. Appendix
 - a. Source code
 - b. UI output Screenshot.

Note:

1. Screenshots of your project work as well as your project output is mandatory in your documentation.
2. Demo video (5 minutes), explains about your project like Introduction, Problem statement, Advantages, steps you followed and finally you need to **show your UI output**. Make sure you do Screen Recording with your Audio explanation. You can use PPT to explain your project.

And need to upload the following files in the Git repository which you can find in the workspace as "Go to Git repository".

Followings files to be uploaded in GitHub:

1. **Code (python files):** The code should individual python files and the final python code (If you have mentioned some image file in the code upload them with the code (all related files in 1 folder)). In general, if we open the final code, we must see the correct output.
2. **MIT App files:** If you have created an app in your MIT App inventor upload **.apk file and .aia file**.
For .aia file click on export project. Also upload screenshots of your App to Github.
3. **Node-red:** Upload Node-red flows to Github. (To get node-red flow, click on export there you can see export as **.json**). Also upload screenshots of Node-red.
4. **Project Demonstration video** in which all the team members have to explain (for a team project) which should include “about the project, procedure, brief of coding, run your application, and show the output while explaining” of 5-8 minutes.
5. Feedback Video

Note: Demo video minimum of 5 minutes.

You can use the following video in the drive link to know about the procedure to push files into Git repository.

<https://drive.google.com/file/d/1nUEmvPfnqbZA5lbaAOnA9LRT84XQHsXi/view?usp=sharing>

Follow the above instructions and complete your project. Make sure that you should submit the above mentioned all files without fail.

All the best!!

