



## MAD - 1 Project and Viva (T22024)

# MAD-1 Project and Viva: Instructions

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## How to ensure the code you are submitting will work when we evaluate it

The project can only be submitted **only once** inside the project submission portal.

Make sure you first validate your submission using **a validation Google form which we have provided inside the project submission portal**. You shall receive an automated email after submitting the project file in the validation Google form, in a couple of minutes. The validation Google form can be used as many times as needed.

**Submit only if the project zip folder passes the test on the above google form**

Once submitted, you will be evaluated based on that submission only.



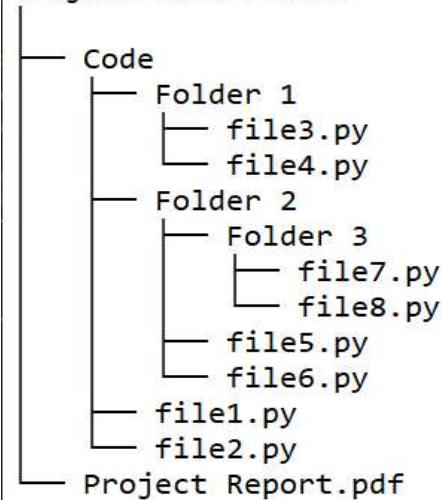
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- **for project code (including project report having presentation video link) and the .pdf for project report should be put in a single folder and the zip of the folder to be submitted.**

The project folder must reside in the root directory of the zip submission folder. Kindly note that there should not be any other file or folder in the root directory except the project folder. You are supposed to keep all the files/folders (including project report with presentation video link) of your application inside the project folder.

An idea file tree structure is given below.

**Project Root Folder**

## How we will evaluate your submitted project:

### Step 1: Executing the submission.

Once we receive the submission, we will batch process the submissions received in a given timeframe (the tentative timelines given at the bottom of the document) on a specific date, using an automated code, which will first unzip the folder, look for presence of the root folder and existence of a Python file.



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within the given deadline.

Following are the possible scenarios where your submission will be considered as **invalid**:

- It is not a zip file.
- The project folder does not reside in the root directory of the zip submission folder.
- There are other files or folders in the root directory other than the project folder.
- The files/folders (including project report) of the application are not inside the project folder.
- Submission does not contain any '.py' file.
- The submission contains only PDF/text files.
- The compiler is unable to unzip your submission.
- Your submission contains corrupted files (files with unrecognized extensions).
- Any additional scenario where we are unable to process your submission.

### Step 3: If the evaluation passes but fails plagiarism test

If the root folder and .py file are found, the next step is passing the code through the plagiarism checker. If your submission is reported as failed by the plagiarism checker, we will inform you of this. If you wish to contest this, you can fill the grievance redressal form and the internal grievance committee will meet with you to discuss this. If plagiarism is proven, you will be referred to the disciplinary committee of the institute for further action. **Further, this event will be added to your academic records, and IITM BS Degree program will not provide any support for internships/placements.**

### Step 4: If your submission is valid, and has passed the plagiarism checker

You will be eligible to attend Level-1 viva, where an assessment is done to check if the project conforms to the basic requirements given in the project statement. This is of objective type and will last for about 20 mins. This will be conducted by the IITM team.

### Step 5a: If you pass Level 1 viva (Marks obtained $\geq 28$ )

You will be eligible to attend Level-2 viva. In this level, the assessment will be on the quality of the project work, the extent of your involvement, your ability to modify the code at various levels, your depth of understanding, and your understanding of the course in general. This level will be conducted by industry experts and course instructors.

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E grade and there is no need to for you to attempt the level 2 exam. The grade distribution is given below

M = marks scored by the student in level 1

Marks Range	Grade provided
$20 \leq M < 28$	D
$16 \leq M < 20$	E
$M < 16$	Fail

### Step 5c: If you fail Level 1 viva (Marks < 16)

If a student scores marks less than 16, he/she will be allowed to reattempt to the level 1 viva by making a new submission within the deadline. You have to pay an amount of ₹1000 to cover expenses incurred in running your code through the plagiarism checker and other processing overheads. If you do not submit the project before the deadline, you have to re-register for the project course in the next term.

### Step 6a: If you pass Level 2 viva

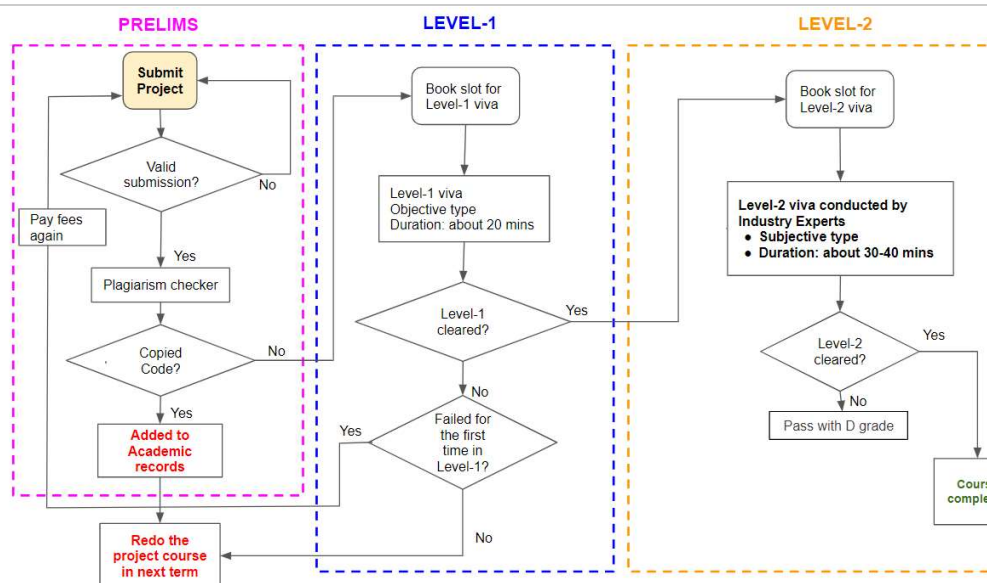
Once you successfully complete and pass Level-2 viva, your project course is completed, subject to the clearance of plagiarism checks with all the submissions made in that particular term.

### Step 6b: If you fail Level-2 viva

If you do not pass Level-2, then you get a D grade for the course. There **will not be a reattempt if you fail the level 2 viva.**

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### Score weightage and minimum pass score

	Weightage	Pass Percentage	Pass Score
Level - 1	40%	70%	16/40
Level - 2	60%	50%	30/60

**Project Submission Starts: Monday, June 10, 2024**

**Project Submission Deadline:**

**Wednesday, July 31, 2024**

(Refer to timeline document below)

### Problem Statement:

The problem statement that students have to complete in the May 2024 term will be the one given below.

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[https://docs.google.com/document/d/e/2PACX-1vSWc\\_RrSIJZamInJ6n-KZtJkcgTpp-CsaR\\_-Kq\\_U5ZwzCf-zWU8b6RmaV86KaNiJVUJ5cFadTr88VI/pub](https://docs.google.com/document/d/e/2PACX-1vSWc_RrSIJZamInJ6n-KZtJkcgTpp-CsaR_-Kq_U5ZwzCf-zWU8b6RmaV86KaNiJVUJ5cFadTr88VI/pub)

### Important Additional Documents:

Students must go through the following documents to get additional assistance/information for the project.

1. The [Git tracker document](#) helps you to create an account on GitHub and the team can



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VIVAS

1. At the start of the viva, have the soft copy of your ID card ready to be shared via screen-share.
2. Before the examiner joins, ensure that your microphone, camera, and screen-sharing are working well. You may confirm this with the help of the viva observer.
3. [Keep your code organized and accessible](#), it will be easier when you are asked to make changes in the code during your viva.
4. If you are using your local system for demonstration, [make sure you have all the dependencies installed in your system beforehand](#) and that you do not need to install anything during the viva. The total duration of the viva should be dedicated to the demonstration, the evaluation of your project, your depth of understanding, and your understanding of the course in general.
5. For those who are using applications like repl.it, it is recommended to [keep a copy of your project \(all the source code and dependencies installed\) in your local machine](#) as an alternative so that you can continue with the demonstration in the case when repl.it is not accessible.
6. [The booked slot\(s\) for Level-1 and/or Level-2 cannot be changed](#) unless there is a medical reason (which has to be supported by a medical report), or any other strong reason that is acceptable to the IITM team. Excuses like "laptop not working, the laptop is not currently with me, I have another exam on the day", etc., will NOT be acceptable. There are industry experts involved in the evaluation, and their slots cannot be rescheduled. If a rescheduling is required due to cancellation from your side, then you have to pay an amount of, ₹1000 to cover the honorarium for the scheduled examiner and other processing overheads.
7. At any point of time during the viva process (even if your Level-2 viva is over), [if your code is flagged by the plagiarism checker as being copied, you will be subjected to disciplinary action](#).

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Preliminary Level

The students are advised to follow the following order in implementing the project requirements:

First, focus on the *core and graded* requirements, followed by *recommended* requirements and finally the *non-functional* requirements like aesthetics.

Do not make any changes to your submission after the deadline.

This includes the code, the video, and the PDF. If found otherwise, your submission may not be



## How to avoid Plagiarism

Do not make your code available to anyone else until you get a grade for your project course.

Please note that if the plagiarism checker flags your code as copied, everyone who has a similar code as yours will also be flagged.

Irrespective of who wrote the code, everyone flagged as copied will receive the same penalty. In this regard, specifically note the following:

Do not upload your code to any public repository.

Do not share your code with anyone (registered or not registered for the course) even during discussions, via files, screen share, screenshots or any other means that could result in the code being copied.

Ensure that the business logic of your application is completely written by yourself.

You may refer to the official documentation (for purposes like configuration statements), however, taking code snippets from other external sources is NOT permitted.

Make sure you are able to answer questions about your code. If you have taken code snippets from standard tool documentation, ensure that you know the purpose of those code snippets, and what happens if those are not added. It helps the examiners understand the extent of your involvement in the project work, and helps to confirm the authenticity of the code.

Copying from any external source and modifying the variable names and function names alone do not qualify as original work. Advanced plagiarism checkers are capable of detecting such issues.

Copying from an external source and adding a number of irrelevant lines of code to beat the plagiarism checker is not acceptable. Your code should not contain any unreachable components, which are not relevant to the functionality of the application. If this is flagged either by a preprocessor before scheduling the viva or by the examiner during the viva, your code will be categorized as plagiarized, and your viva will not be treated as completed.

The plagiarism checkers are also sensitive to changes in the sequence of code blocks. If you copy code from outside and change the sequence of blocks of code, it will be flagged by the plagiarism checker.

Please note that the accepted value for similarity, and the minimum number of lines in the code to run plagiarism checkers on it, will be decided based on the submissions we receive. Clearly, your aim should be to produce a clean, working application rather than beating the plagiarism checker.

Do not get the code written by any friend, family member or any acquaintance. You may take help when you are unable to proceed, but unless you are able to explain the code, and make modifications



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another machine, and hence something is not working / not accessible / not in the local drive' etc. will NOT be accepted. You are expected to demonstrate a full application as per the specifications given in the project statement, irrespective of how many machines you have used to develop your application.

You need to cite when you get an "idea" for the code. But, just citation is not sufficient if the code is essentially copied outright or copied with a few modifications, and doing this shall be considered as plagiarism.

Please note that taking code verbatim is not permitted for this project.

## **Tentative Timeline for Level1 & Level2 viva's:**

The batch of the student is decided by the window he/she submits. They are not pre-defined. You can submit anytime between **10th June and 31st July**. Only then your batch will be defined.

- submissions between **10th June - 30th June** --> Batch 1 → vivas 1st week of July
- submissions between **1st July - 15th July** --> Batch 2 → vivas 3rd week of July
- submissions between **16th July - 31st July** --> Batch 3 → vivas 1st week of August

**Note:** If there is an extension batch, we will update the deadline and the viva schedule later.

This is the link to the sheet where the live sessions for the course project will be tracked. Please see this for any doubts you may have about the project. The sheet link shall be updated with the start of the term.