

SEMESTER: 7
Branch: CE (MU)
Major Project - I (01IT1703) (A.Y. 2023-24)

Student Guidelines for Major Project-I (01IT1703)

STEP 1 : Team Formation

- Student can form a team of **minimum 1** and **maximum 3** team members from CE Department only (interclass team members are allowed).
- Team should also decide one team leader who will perform required tasks when and where required.
- All the Faculties are allowed to guide **maximum 5** teams only.

STEP 2 : Project Definition and Internal Guide Selection

- Please access list of Internal Guide CE faculty list with below link. Based on that student need to contact CE faculties (Face to Face) and finalize Internal Guide. (Not necessary to match faculty's expertise with project – student can choose any CE faculty as internal guide if faculty is ready to guide. Don't select Internal Guide without his/her confirmation)
Link:
<https://docs.google.com/spreadsheets/d/1ZZ3Cuh93iPs8Zuy5b6AnTRZsyxumtubKJcNk mFjplC8/edit?usp=sharing>
- For Project Definition, students have two options:
Option 1: Student can select own project definition and discuss with different CE faculties. If faculty gets convinced with the definition and to guide, student can go with that project definition and select that faculty as guide. (Faculty may give modification if required.)
Option 2: Student can contact faculties. Faculties can assign project definition if they have any project definition and student can go with that definition.
- After finalizing the team, project title and Internal Guide, each Team also needs to prepare an Abstract Report (team wise) on finalized project of 200 to 300 words and need to get it verified and signed by Internal Guide's on hardcopy which needs to be submitted to the Project coordinators till **21/07/2023, 02:00 pm**. (If required, Internal Guide can give required suggestions also. Hence, better to get it verified in softcopy and then go for the printout for signature. So, don't get relied on the last date, complete all tasks well in advance without missing deadline.)
(Format is attached with the email. Follow the same font size, style alignment etc. Only replace the content in Abstract and not to do any changes in Header, formatting or style or any other things.)
- After completing all above tasks, **team leader (only)** needs to submit all finalized details in the Google Form till **21/07/2023** using following link:
<https://forms.gle/pPtjwEqWypRNdu3F9>

(Don't fill/submit without approval of all the details from Internal Guide. Think and verify twice before submitting the form. After submitting Google Form, no changes will be entertained in any case.)

STEP 3: Reporting to Internal Guide

- All the teams need to regularly report regarding project progress, updates etc. to their respective Internal Guide AT LEAST once in a week. (Guide can ask to report more than once also.)

STEP 4 : Regarding Internal/External Review

- All the teams must remain present and attend the Internal/External Reviews conducted by the Internal Guide/External Reviewers. (In case of medical reason or any genuine case, student will have to report/inform to respective Internal Guide and Project Coordinators well in advance with valid proof. Invalid /fake proof leads to strict actions.)
- All the teams need to carry updated Reporting Record Scan Copy of team (All the Original Reporting Records will be available with Internal Guide) during each review which will be checked by the Reviewer during the review.
- Presentation must be in given format only (attached with email).
- Tentative Schedule** of the Internal and External Review will be as follows:

Sr. No.	Review	Review Date	Required Content for the Review	Total Marks
1	Review 1	02-09-2023	Presentation on Chapter 1, 2, 3	20
3	Review 2	28-10-2023	Presentation on Chapters 4, 5, 6, 7	20
5	Project Report & Submission	28-10-2023	Project Report & Submission to Internal Guide	10
6	External Review (External Viva)	November, 2023 (First Week)	External Viva	50
Total Marks				100

(during each review, it will be the responsibility of the team to note down whichever changes / suggestions / modifications suggested by the Examiner. Discuss those things with your Internal Guide and try to include/implement all changes in upcoming reviews/viva)

STEP 5 : Regarding Project Report and Submission

- For Project Report content and format, follow the Project Report Guidelines shared by the Project coordinators. (Project Report format will be shared soon)
- First, team needs to submit report soft copy to respective guide. Do necessary changes suggested by Internal Guide. After getting final approval from Internal Guide, team need to take the printout of the report and get the signature of Internal Guide in all the copies.
- Report should be black & white – one sided – spiral bound.
- Number of copies required: Total Number of Students in Team + 1

- For submission, all the teams need to submit following things to respective internal guide and in Google Form (link will be provided after 2 reviews by Project Coordinators).
 1. One hard copy of the report. (Spiral binding) (File name: TEAM ID_PROJECT NAME)
 2. Entire project presentation (.PPT) (File name: TEAM ID_PROJECT NAME)
 3. Soft copy of the report (.DOC and .PDF) (File name: TEAM ID_PROJECT NAME)
 4. Project code (.Zip file) (File name: TEAM ID_PROJECT NAME)

(Team IDs will be assigned by project coordinators after finalizing all project details.)

- **NOTE:**

1. If any student/team will miss any of the given deadlines, student will be marked **ABSENT** accordingly and no further extension or chance will be given in any case.
2. Team will NOT be allowed for any Review in case of any pending tasks.
3. If any student/team doesn't attend any review or fail to follow any deadlines as per the given schedule, will be marked **ABSENT** in respective review. No rescheduling will be done for such student/team.
4. If any irregularity will be found for any team in reporting to the Internal Guide, Internal Guide/Project Coordinators can take strict actions in such cases.
(It may affect the performance/marks of student also.)
5. Work done in project must be justifiable enough according to the team size and given time duration.
6. In case of any plagiarism or copying any kind of content or source code or any such cases, student/team will be considered **FAIL** in this subject in ALL exam components, strict actions will be taken, and no arguments will be entertained.

- Chapter details are given below (all chapters will be the part of your report also – format will be given later).



Details of Chapters

1.0 Introduction to Project and Project Management

- 1.1 Project Summary – Key To a good summary is the FIRST sentence, which MUST contain the most essential information that you wish to convey.
- 1.2 Purpose
- 1.3 Objective
- 1.4 Scope (what it can do and can't do)
- 1.5 Technology and Literature Review
- 1.6 Project Planning
 - 1.6.1 Project Development Approach and Justification
 - 1.6.2 Project Effort and Time, Cost Estimation
 - 1.6.3 Roles and Responsibilities
 - 1.6.4 Group Dependencies
- 1.7 Project Scheduling (Gantt Chart/PERT/Network Chart)

2.0 System Analysis

- 2.1 Study of Current System
- 2.2 Problem and Weaknesses of Current System
- 2.3 Requirements of New System
- 2.4 System Feasibility
 - 2.4.1 Does the system contribute to the overall objectives of the organization?
 - 2.4.2 Can the system be implemented using the current technology and within the given cost and schedule constraints
 - 2.4.3 Can the system be integrated with other systems which are already in place?
- 2.5 Activity / Process in New System / Proposed System
- 2.6 Features of New System / Proposed System
- 2.7 List Main Modules / Components / Processes / Techniques of New System / Proposed System
- 2.8 Selection of Hardware / Software / Algorithms / Methodology / Techniques / Approaches and Justification

3.0 System Design

- 3.1 System Design & Methodology
- 3.2 Database Design / Data Structure Design / Process Design / Structure Design / All applicable Diagrams (Class, Sequence, Activity, Use Case, Object, UML, ER, Flow Chart, Data Flow etc.)
- 3.3 Input / Output and Interface Design (If applicable)
 - 3.3.1 State Transition Diagram (optional)
 - 3.3.2 Samples of Forms, Reports and User Interface
 - 3.3.3 Access Control / Mechanism / Security (If applicable)

4.0 Implementation

- 4.1 Implementation Platform / Environment
- 4.2 Process / Program / Technology / Modules Specification(s)
- 4.3 Finding / Results / Outcomes
- 4.4 Result Analysis / Comparison / Deliberations

5.0 Testing

- 5.1 Testing Plan / Strategy
- 5.2 Introduction on Testing Tools/Technologies
- 5.3 Test Results and Analysis
 - 5.3.1 Test Cases
 - 5.3.2 Test Conditions
 - 5.3.3 Expected Output, Actual Output & comparison
 - 5.3.4 Conclusion & Remarks

6.0 Conclusion and Discussion

- 6.1 Overall Analysis of Project Viabilities
- 6.2 Problem Encountered and Possible Solutions
- 6.3 Summary of Project work
- 6.4 Limitation and Future Enhancement

7.0 References