

Dear Final Year Students,

Guide lines for General Category Students

1. There will be 5 reviews for the capstone project for General Category students, (Note: General Category includes Non-PAT category as well).
2. Even though if any of you have not registered for CAPSTONE project in VTOP this semester under general category still your CAPSTONE starts in the month of September 2022.
3. The zeroth review will be conducted in the month September 2022 by your Guide.
4. The tentative review dates are show in the table below. (Refer the Tentative Review Schedule)
5. The final review will be conducted in the offline mode.
6. The movement from General Category to **Non-PAT Internship** is restricted from January 2023. The date for freezing is 31.12.2022.
7. All the Non-PAT internships will be decided and verified by your Guide. The Guide will verify the company and the complexity of the project.
8. Its mandatory for General Category students to meet the guide twice a week minimum or whenever your guide wants you to meet via online mode and you must update your work status to your guide.
9. No website designing or web application projects or mobile application projects are entertained.
10. The students are requested to share all the works regarding the capstone to the Guide and the Review Panel (if asked). In case of Non-PAT students, student cannot say that the company is not willing to share confidentiality details/ non- revealing of code / work / architecture / modules etc. (Note: If any student falls under the above said claim, will be marked as Zero by the Guide and the Panel Members)
11. All Non-PAT students will follow the exact protocols and guidelines given to the General Category students. (Note: If any student doesn't

follow above said claim, will be marked as Zero by the Guide and the Panel Members)

12. The template for weekly report will be communicated shortly.
13. Paper Publication in the Scopus Indexed Journal / SCI for all General Category students.
14. The status of the Journal paper will be monitored from the Review
1. The final paper should be communicated to the journal on or before 10th March 2023. The same will be followed by the guide for further publication.

Guide lines for PAT Students

1. All PAT students will undergo appropriate reviews whenever applicable, till they begin their internships.
2. **It is must for all B.Tech CSE/ CPS/ AI and ML PAT Category to do the CAPSTONE project internally till they begin the internship.**

For e.g., if your internship starts from 1st Jan 2023, you will be doing CAPSTONE project under the allocated faculty from Sept 2022 to 31st Dec 2022

For e.g., if your internship starts on 1st Sept 2022 and ends on 31st Dec 2022, then you will start your CAPSTONE project from 1st Jan 2023 till May 2023

3. Even though if any of you have not registered in VTOP under PAT Category still your PAT/CAPSTONE starts in the month of September 2022 depending upon date of joining in your company.
4. If you have got the internship offer letter then you belong to PAT Category and the same must be registered in VTOP
5. If you have got internship cum placement then you belong to PAT Category and the same must be registered in VTOP

6. If you **have got only placement then you belong to General Category** and the same must be registered in VTOP. The PAT internship is must to register under PAT Category, only placement will not do.
7. There will be an internal Guide allocated for all PAT students.
8. The zeroth review will be conducted in the month September 2022 by your Guide **if your internship has not started.**
9. The tentative review dates are shown in the table below, if your internship has not started. (Refer the Tentative Review Schedule)
10. It's mandatory for all the PAT Category students to meet the guide twice a week via online mode **if your internship has not started.**
11. PAT internship students should also report to the guide at least once in a week and update their work once they start the internship. The template for weekly report will be communicated shortly.
12. No website designing or web application projects or mobile application projects are entertained, if your internship has not started.
13. The template for weekly report will be communicated shortly, **if your internship has not started.**
14. Paper Publication / Presentation in the Scopus Indexed Journal / SCI / Scopus Indexed Conference for all PAT students if their internship is starting at a later stage.
15. The status of the Journal paper will be monitored from the Review 1 till your internship start. The final paper should be submitted with acknowledgement from guide with minimum criteria it should be a SCOPUS indexed journal / conference if your internship begins from 1st December 2022.

Review Dates

Review	Project Status	Date	Weightage
Zeroth Review by Guide	Problem Domain Background of the Problem Area of the Project	On or Before 28.09.2022	05%
Review 1 by Panel	The progress of work will be reviewed and the content of the presentation to be showed is referred below. Review will be conducted online	During CAT 2 Week – October 2022, exact dates and time will be communicated later.	15%
Review 2 by Panel	The progress of work will be reviewed and the content of the presentation to be showed is referred below. Review will be conducted online.	Tentatively before December/ January 2023, exact dates and time will be communicated later.	15%
Review 3 by Panel	The progress of work will be reviewed and the content of the presentation to be showed is referred below. Review will be conducted online	During CAT 2 Week of (Win Semester 2022-2023) – March 2023, exact dates and time will be communicated later.	15%
Thesis Preparation & submission for plagiarism check and Guide marks	<ul style="list-style-type: none"> Submission of the report and the rough draft of the Scopus 	Tentatively on or before 20th April 2023.	30%

	<ul style="list-style-type: none"> • CAM weekly report from Day 1 to Final Viva Voce. • Paper Publication 		
Review 4 - Final Viva Voce by Panel	Presentation of entire work to panel members.	Tentatively May 2023, exact dates and time will be communicated later.	20%

Outline of Presentation for Reviews for CAPSTONE (Minimum Requirements)

The guidelines for the presentation of the review which is given below is the minimum requirements

Your guide can always enhance/add/update the presentation according to their choice.

Zeroth Review (Review 0)

PPT Preparation:

First Slide: TITLE, REGNO, YOURNAME, AND YOUR GUIDE NAME WITH PREFIX AS Dr.

Second Slide: Outline

Third Slide onwards

- Area of the Project
- Background of the Problem
- Problem Statement

Review 1

PPT Preparation:

First Slide: TITLE, REGNO, YOURNAME, AND YOUR GUIDE NAME WITH PREFIX AS Dr.

Second Slide: Outline

Third Slide onwards

I Introduction

- A Statement of Problem/ Challenges (Research Question)**
- B Background, Context, and Significance of Study**

II Literature Review (15 Latest Papers – Minimum - from Reputed Journals/Conferences)

- A Themes Discovered in Review**
- B Identification of Gaps based on current scenario / industry trends**

III. Problem Statement

IV. Research Challenges

V. Research Objective

VI What is to be done next (1 Slide)

VII Research Paper Status

VIII Guide Approval mail snapshot

IX References

Review 2

PPT Preparation:

First Slide: TITLE, REGNO, YOURNAME, AND YOUR GUIDE NAME WITH PREFIX AS Dr.

Second Slide: Outline

Third Slide onwards

- I Introduction
 - A Statement of Problem/ Challenges (Research Question)
 - B Background, Context, and Significance of Study
- II Literature Review
 - A Themes Discovered in Review
 - B Identification of Gaps based on current scenario / industry trends
- III Methodology
 - A Modules / Algorithms / Functionalities / Protocols
 - B Data Collection Approaches/Strategies
 - 1 Advantage of Strategy
 - 2 Limitation of Strategy
 - 3 Potential Risk
 - 4 Ethical Issues about collection upon the Subjects/Participants
 - C Data Analysis Approaches
- IV Proposed System will consist of
 - 4.1 Proposed System Introduction (1 |Slide)
 - 4.2 Proposed System Diagram (1 slide) - Drawn by the student in WORD / PPT
 - 4.3 List of modules (1 Slide)
 - 4.4 Explanation of all the modules one by one which includes the Algorithm(s) (3- 6 Slides)
- VI What is to be done next / remaining (1 Slide)
- VII Guide Approval mail snapshot
- VIII Research Paper Status
- IX REFERENCES

Review 3

PPT Preparation:

First Slide: TITLE, REGNO, YOURNAME, AND YOUR GUIDE NAME WITH PREFIX AS Dr.

Second Slide: Outline

Third Slide onwards

1. Introduction (1 - 2 Slides)
2. Problem Statement (1 Slide)
3. Research Objective(s) (1 Slide)
4. Proposed System
 - 4.1 Proposed System Introduction (1 |Slide)
 - 4.2 Proposed System Diagram (1 slide) - Drawn by the student in word/ppt
 - 4.3 List of modules (1 Slide)
 - 4.4 Explanation of all the modules one by one which includes the Algorithm(s) (3- 4 Slides)
5. 50% Implementation with the results (which includes - Tables (Use MS Word/Excel), Graphs (Use Excel / any other appropriate tool/ simulator results), Equations must be written using equation editors (no snapshots, Explanation, etc.). Results, Findings, Interpretation, and Discussion - (1-4 Slides)
6. What is to be done next / remaining (1 Slide)
7. Guide Approval mail snapshot
8. Research Paper Status
9. References

Review 4

PPT Preparation:

First Slide: TITLE, REGNO, YOURNAME, AND YOUR GUIDE NAME WITH PREFIX AS Dr.

Second Slide: Outline

1. Introduction (1 - 2 Slides)
2. Problem Statement (1 Slide)
3. Research Objective(s) (1 Slide)
4. Proposed System
 - 4.1 Proposed System Introduction (1 |Slide)
 - 4.2 Proposed System Diagram (1 slide) - Drawn by the student in word/ppt

4.3 List of modules (1 Slide)

4.4 Explanation of all the modules one by one which includes the Algorithm(s) (3- 4 Slides)

5. 100% Implementation with the results (which includes - Tables(Use MS Word/Excel), Graphs(Use Excel / any other appropriate tool/ simulator results), Equations must be written no snapshots, Explanation, etc). Results, Findings, Interpretation, and Discussion - (1-4 Slides)

6. Conclusion and Future Work

7. Guide Approval mail snapshot

8. Research paper submitted status/published

9. References

10. Project Report to be carried to the review