310255: Seminar and Technical Communication (Guidelines and Log Book)

Third Year Computer Engineering

Year 2025 - 2026

Seminar ID: _____

Name of Student: _____

Mobile No.: e- Mail ID: _____

Seminar Title : _____

Seminar Guide : _____

Area of the Seminar: _____

Department of Computer Engineering

Pimpri Chinchwad Educational Trust's
Pimpri Chinchwad College Of Engginering & Research, Ravet
An Autonomous Institute | NBA Accredited (4 UG Programs) | NAAC A++ Accredited | An ISO 21001:2018 Certified

Savitribai Phule Pune University
(2025-2026)

General Instructions

1. Students should enter the correct information in the work book.
2. Get all entries verified by respective seminar guide. No changes are to be made without seminar guide's permission.
3. Students should report to their respective guides as per the schedule and the visit log is to be maintained in the work book.
4. Follow all deadlines and submit all documents strictly as per prescribed formats.
5. The work book should be produced at the time of all discussions and presentations.
6. The work book must be submitted to Seminar coordinator/ guide/ department / College after successful examination.
7. All documents and reports are to be prepared in Latex only (All the formats specifications provided adheres to MS Word but consequently applicable to final seminar report published using Latex)
8. Submit hard as well as soft copy as per guidelines

This booklet is supportive document to rules and a regulation provided by affiliated university curriculum providing recommendations, guidelines and is record of all related activities associated with seminar. This booklet is provided with the genuine intent to bring uniformity and to systematize the seminar work and to keep the audit of the work undergone by each student.

Work Book Development Project

Project Institution	Department of Computer Engineering Matoshri College of Engineering and Research Centre, Nashik
Support & Guidance	Dr. Gajanan K. Kharate, Principal, Matoshri College of Engineering and Research Centre, Nashik
Concept and Design	Dr. Varsha. H. Patil BoS Coordinator Computer Engineering , SPPU, Pune Vice Principal, Matoshri College of Engineering and Research Centre, Nashik
Coordinator	Mrs. Swati A. Bhavsar Assistant Professor, Matoshri College of Engineering and Research Centre, Nashik
Technical Committee Members	1. Dr. Madhavi Pradhan 2. Dr. Parikshit Mahalle 3. Mr. Niranjan L. Bhale 4. Dr. Neeta Deshpande 5. Mr. Ranjit Gawande 6. Ms. Sharmila Wagh
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(For circulation at BoS Computer Engineering, Savitribai Phule Pune University only)

Savitribai Phule Pune University, Pune
Computer Engineering

Program Educational Objectives

1. To prepare globally competent graduates having strong fundamentals, domain knowledge, updated with modern technology to provide the effective solutions for engineering problems.
2. To prepare the graduates to work as a committed professional with strong professional ethics and values, sense of responsibilities, understanding of legal, safety, health, societal, cultural and environmental issues.
3. To prepare committed and motivated graduates with research attitude, lifelong learning, investigative approach, and multidisciplinary thinking.
4. To prepare the graduates with strong managerial and communication skills to work effectively as individual as well as in teams.

Program Outcomes

Students are expected to know and be able –

1. To apply knowledge of mathematics, science, engineering fundamentals, problem solving skills, algorithmic analysis and mathematical modeling to the solution of complex engineering problems.
2. To analyze the problem by finding its domain and applying domain specific skills
3. To understand the design issues of the product/software and develop effective solutions with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
4. To find solutions of complex problems by conducting investigations applying suitable techniques.
5. To adapt the usage of modern tools and recent software.
6. To contribute towards the society by understanding the impact of Engineering on global aspect.
7. To understand environment issues and design a sustainable system.
8. To understand and follow professional ethics.
9. To function effectively as an individual and as member or leader in diverse teams and interdisciplinary settings.
10. To demonstrate effective communication at various levels.
11. To apply the knowledge of Computer Engineering for development of projects, and its finance and management.
12. To keep in touch with current technologies and inculcate the practice of lifelong learning.

Program Specific Outcomes (PSO)

A graduate of the Computer Engineering Program will demonstrate -

PSO1: Professional Skills-The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying.

PSO2: Problem-Solving Skills- The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.

PSO3: Successful Career and Entrepreneurship- The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.

Prologue

Seminar is the first formal curricular activity at the UG level, where students are supposed to exhibit their skills and knowledge by undertaking the study of the chosen topics. For standardization in the process of Seminar conduction, an effort to provide comprehensive and meticulous guidelines helping the learners to perform with respect to certain processes and evaluation criteria.

The logbook will surely help the learner from the very first step of topic selection to the final seminar delivery. Proper recording of the activities necessarily maintains the track of progress of the learner along with neat and clear planning helping to proceed on the right path and proper documents preparation. As per the individual learner's domain interest the selected topic can be explored with determined perspective and definite methodology helping the learner to develop scientific and methodical approach in the study. In the course of the topic exploration various skills are built, directly and indirectly contributing to the development of learner.

The documentation provided in the form of the logbook will help to standardize the process with phenomenal transparency in evaluation guidelines, giving fair idea to learner and evaluator, minimizing the possibility to err. The documented logbook will hopefully answer even the slightest queries those may arise during the whole process of the activity conduction during the semester. So, it is our joint responsibility to stick to the basics to help the learner in character building not solely aiming at the grade in performance but aiming at all-round development in this regard.

Dr. Varsha H. Patil

Coordinator, Board of Studies (Computer Engineering)

SPPU, Pune 22nd February 2017.

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1. About Seminar

The word *seminar* is derived from the Latin word *seminarium*, meaning "seed plot". It refers to a course of intense study relating to the student's major intended for the improvement of technical knowledge of student. The ability to articulate ideas is an important life skill which will be required outside the academic world in the world of work, for interviews, consulting experts, getting and understanding advice and giving work presentations etc. Seminars give practice in these general skills and help students to develop confidence. It is an important way of learning - by discussing and questioning issues, students can clarify their own ideas and also learn from each other. (Ref: https://en.wikipedia.org/wiki/Seminar)

Keeping this in mind each student of Third Year Computer Engineering has to deliver the seminar under the head "SEMINAR AND TECHNICAL COMMUNICATION" that is Term Work of 50 marks in second semester.

As per the individual learner's domain interest the selected topic can be explored with determined perspective and definite methodology helping the learner to develop scientific and methodical approach in the study. In the course of the topic exploration various skills are built, directly and indirectly contributing to the development of learner.

To aid both student and faculty this booklet provides the guidelines for preparation of topic, report, presentation, evaluation.

a. Objectives and Outcomes

Objectives -

- To explore the basic principles of communication (verbal and nonverbal) and active, empathetic listening, speaking and writing techniques.
- To expose the student to new technologies, researches, products, algorithms, services

Outcomes -

On completion of the course, student will–

- be able to be familiar with basic technical writing concepts and terms, such as audience analysis, jargon, format, visuals, and presentation.
- be able to improve skills to read, understand, and interpret material on technology.
- improve communication and writing skills

b. Guidelines for selection of Seminar Topic

- Each student will select a topic in the area of Computer Engineering

and Technology preferably keeping track with recent technological trends and development beyond scope of syllabus avoiding repetition in consecutive years.

- The topic must be selected in consultation with the institute guide.

- Each student will make a seminar presentation using audio/visual aids for duration of 20-25 minutes and submit the seminar report prepared

in Latex only.

- Active participation at classmate seminars is essential.
- Softcopy (CD) must include copy of synopsis, report, PPT, reference material and related.

c. Recommended Guidelines for Evaluation

Panel of staff members along with a guide would be assessing the seminar work based on these parameters-

- Topic
- Contents and Presentation
- regularity, Punctuality and Timely Completion
- Question and Answers
- Report, Paper Presentation/Publication
- Attendance and Active Participation.

(Kindly note that these guidelines provided for selection, evaluation, presentation and documentation are recommended to follow. However it is suggested to refer the guidelines prescribed in respective course of syllabus by SPPU)

2. Copy of Synopsis as per format (Annexure i)

(include the synopsis here before taking print of log book)

3. Review and Visit Log

Sr. No.	Date	Details of Discussion/ Remark	Signature of Guide/Seminar Incharge
1	1.7.2025 to 8.7.2025	Awareness session and Topic Finalization	
2	1.7.2025 to 11.7.2025	0th Review	
3	12.7.2025 to 19.7.2025	Preparing draft of proposal of seminar/synopsis	
4	21.7.2025 to 23.7.2025	Submission of synopsis	
5	24.7.2025 25.7.2025	1st Review	
6	26.7.2025 to 2.8.2025	Presentation - update as per review panel suggestions	
7	4.8.2025 to 30.8.2025	Presentation/Seminar report draft preparation in Latex	
8	1.9.2025 to 5.9.2025	Seminar presentation - approval from guide	
9	8.9.2025 to 13.9.2025	Seminar Report draft - approval from guide	
10	18.9.2025 19.9.2025	Final Seminar review and Seminar Report submission	

4. Seminar Evaluation Sheet (Internal)

Table 1.1 Evaluation Sheet

Sr. No.	Contents and Presentation (Table 1.2)	Punctuality and Timely Completion (following of deadline)	Seminar Report	Attendance and Active participation	Question and Answers	Paper Publication and Participation at Conference (Bonus)	Total
	25	05	10	05	05	05	50
1.							
		# To be filled by guide/ authorities					
	Whether the seminar is delivered as per schedule(yes/ no): (If no, mention the reason)						

Table 1.2 Contents and Presentation

Slide Layout	Verbal Skill	Confidence	Eye Contact	Contents	Total
5	5	5	5	5	25

Name and Signature of Evaluation Committee:

1.Prof.

2.Prof.

Signature of Guide
[Name of Guide] **HOD**

(Refer Rubrics – page number 08)

5. Paper Publication/ Participation at Conference

Sr. No.	Name of Organizer	Date	Certificates/ Prizes won if any
1.			
2.			
3.			
4.			

Attach attested copy of certificate(s)

6. Rubrics

A) Contents and Presentation

Grade (Grade Point)	Excellent (10-9)	Very Good (6-8)	Fair (3-5)	Poor (1-2)
Parameter				
Slide Preparation				
Verbal Skills				
Confidence				
Eye Contact				
Contents				

B) Overall performance

Grade (Grade Point)	Excellent (10-9)	Very Good (6-8)	Fair (3-5)	Poor (1-2)
Parameter				
Punctuality and Timely Completion				
Question and Answers				
Attendance and Active Participation				
Seminar Report				
Paper publication & presentation				

Annexure i: Format for Synopsis

1) Cover Page:

Email ID:

Name of the Student:

Roll No: Branch:

Mobile:

Title of the topic:

Area of topic

Abstract:

Abstract should be of approximately 200-300 words giving brief introduction about the topic along with scope.

2) Briefs about Contents:

The contents shall follow abstract indicating the topics, sub topics under consideration not exceeding two pages.

3) Applications areas, if any:

4) References / Bibliography

List of books/ web/ Journal/ Magazine etc referred.

Annexure ii: Format for Seminar Report

Each student is required to write a comprehensive report about the seminar. The report should be in the format as described below. It is important that you adhere to these guidelines

A. Seminar report should be arranged as

1. Title Page with Title of the topic, Name of the candidate with Exam Seat Number / Roll Number, Name of the Guide, Name of the Department, Institution and Year & University
2. Seminar Approval Sheet/Certificate
3. Abstract and Keywords
4. Acknowledgements
5. Table of Contents, List of Figures, List of Tables and Nomenclature
6. Chapters Covering topic of discussion- Introduction with section including organization of the report, Literature Survey/Details of design/technology/Analytical and/or experimental work, if any/ …..,Discussions and Conclusions ,Bibliography/References
7. Plagiarism Check report
8. Report Documentation page **B. Preparation Format**

1) **Re**footer **"Department of Computer Engineering, PCCOER"** preferably 25- 40 pages. ould be included. It should be TIMES NEW ROMAN

2) **Footer:** The 10 pt. and right justified.

3) **Header:** The header "Seminar Title" centered and page numbers on right should be included. **Start numbering from Introduction.**

4) **Paper Size :** A- 4 size bond paper

5) **Margins : Mirrored**
   1. **Top : 1** inch
   2. **Bottom : 1** inch
   3. **Inside : 1.25** inch
   4. **Outside : 1** inch

6) **Line Spacing:** 1.5 lines

7) **Title of Chapter**
   i. **Font : Arial** (Bold face, capital)

ii. **Size** : 16 point **Alignment** : centered

8) **All Topics Headings**

i. **First Order Heading** : (for example – **1. INTRODUCTION**)

1. **Font** : Times New Roman (Bold Face)
2. **Size :** 14 point ii. **Second Order Heading:** (for example – **1.1. Evolution**)
   1. **Font** : Times New Roman (Bold Face)
   2. **Size** : 12 point

iii. **Third Order Heading:** (for example – **1.1.1.** Image Processing)

1. **Font :** Times New Roman (Normal Face)
2. **Size :** 12 point

9) **Text:**

i. **Font :** Times New Roman ii. **Size :** 12 point

10) **Figures and Tables:**

i. Caption: (for figures below the figure and for tables above the table)

1. **Font :** Garamond (**Bold**)
2. **Size :** 11 point
3. **Alignment :** Center

11) **References:**

i. Book

Author name(s), Book Title, Publisher, Copyright Year, page nos. if any.

ii. Journal/ Magazine/ Periodical

Author name(s), paper name, Journal/ Magazine/ Periodical name, issue no., page nos.

iii. Web Resources

Complete URL including File name.

Annexure iii: Format for Cover Page

Seminar Report

On

[Title of Seminar]

By

[Name of Student]

[Exam No:]

Under the guidance of

[Name of the Guide]

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2025 -2026

Annexure iv.: Certificate

Department of Computer Engineering,
Pimpri Chinchwad College of Engineering and Research,Ravet

CERTIFICATE

This is to certify that **[name of student]** from **Third Year ……. Engineering** has successfully completed his / her seminar work titled **"[Name of Seminar Topic]"** at Pimpri Chinchwad College of Engineering and Research , Ravet in the partial fulfillment of the Bachelors Degree in Engineering.

[Name of Guide]
Guide Head of the Department Principal

Annexure v: Report Documentation

Seminar Report Documentation

Report Code: CS-TE-Seminar 2025-2026	**Report Number: 17**

Report Title: Reinforcement Learning in Game AI

Address (Details):
Pimpri Chinchwad College of Engineering and Research , Ravet.

Author [with Address, phone, E-mail]:
Address

E-mail : aryanmane567@gmail.com
Roll: 17
Cell No: 7083728181

Year: 2025 – 2026
Branch: Computer Engineering

***Key Words*:** Reinforcement Learning (RL)
Game AI
Agent
Environment
Optimal Strategies
Trial-and-Error

Type of Report: FINAL	*Report Checked By:*	Report Checked Date:	**Guides Complete Name:** **Ms. Ashwini Bhavsar**	Total Copies

Abstract:

This seminar focuses on applying Reinforcement Learning (RL) to Game AI. We address key challenges like sample inefficiency and multi-agent coordination.

The proposed hybrid framework utilizes PPO as the core, integrating Large Language Models (LLMs) for strategic planning and attention-based intrinsic rewards for enhanced teamwork. Through model compression, this approach aims to deliver lightweight, adaptive AI agents for practical deployment in games.