

PERI INSTITUTE OF TECHNOLOGY
Mannivakkam

2.5.1: Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Examination process aims at measuring the degree of knowledge assimilated by the students during a course of study or training imparted to them. Assessment and evaluation are the major tools to verify the attainment of POs and PSOs of the curriculum. To measure the attainment of POs and PSOs, three internal assessment tests namely ‘Continuous Assessment Test1, Test2 & Test3 (CAT1, CAT2 & CAT3)’ and model exam are conducted in a centralized manner adhering to the academic calendar

In order to achieve the quality in conducting the continuous assessments, a department CAT Examination coordinator along with one faculty member is formed. CAT Coordinator will prepare Exam Time Table, , Deadline for Question paper submission, Preparation of seating plan, Invigilation duty and Question Paper template , Allotment of invigilation duty, distribution of Question paper & answer books, collection of answer books, Deadline for paper evaluation and Deadline for mark distribution to the HOD. Individual members will be responsible for each ‘time-bound’ activity and shall monitor the progress..

Implementation

Procedure to Prepare the Internal Question Paper

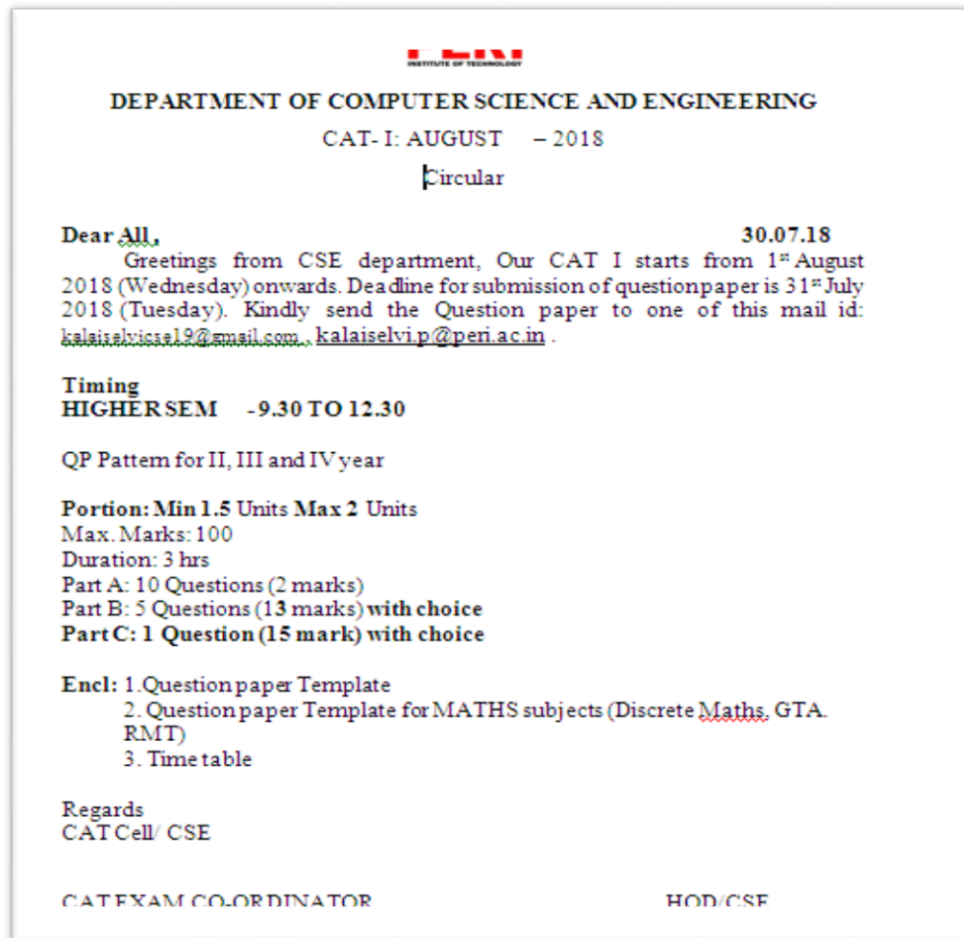
The Question paper for the Continuous assessment Test is prepared by the subject handling faculty and it is verified by the HOD so that the quality of question paper is ensured. Question papers are prepared in such a way that all questions in the question paper should appropriate to meet the Course Outcomes and develop students’ critical thinking skills.

Question papers are prepared to satisfy the following:

- Questions are appropriate and adequate to check the attainment of course outcomes.
- Questions are prepared based on the Blooms taxonomy.
- Questions may require memory recall or direct application of text book material to answer them.

- For some of the questions, the solutions can be arrived by applying basic course knowledge.
- Question papers are prepared based on the previous five years Anna University Question Papers.

Sample Circular for CAT



Sample Question Paper Template

PERI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CAT I: AUGUST 2018
SUB CODE-NAME

Year Sem	Date	08/2018	
Class Section	Duration	3 Hours	
Faculty	Max. Marks	100	

Answer ALL Questions

Part - A (10*2=20)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Part-B (5*13=65)

11. A) Or
- B)
12. A) OR
- B)
13. A) OR
- B)
14. A) OR
- B)
15. A) OR
- B)

Part-C (1*15=15)

16. A) OR
- B)

Sample Mapping of Question Paper with Course Outcomes

COURSE NAME: Database Management System (Year 2016-17)

COURSE CODE: CS6302

S. No	CO1	CO2	CO3	CO4	CO5	CO6
Q1	Remember					
Q2		Remember				
Q3			Remember			
Q4			Remember			
Q5				Understand		
Q6				Apply		
Q7					Remember	
Q8					Remember	
Q9						Remember

Q10						Apply
Q11(A)	Understand					
Q11(B)		Apply				
Q12(A)			Apply			
Q12(B)			Apply			
Q13(A)				Apply		
Q13(B)				Apply		
Q14(A)					Apply	
Q14(B)					Understand	
Q15(A)						Understand
Q15(B)						Understand

Assignments:

The following types of assignments are given to the students to make them attain the Course Outcomes of the programme.

- Writing Essays on the topics given in syllabus.
- Solving questions taken from the exercises in text books.
- Solving problems from the previous Anna university question papers.

Evaluation of the Answer Scripts

After each Continuous Assessment Test, the subject handling faculty evaluates the answer scripts within 3 days and prepares reports to analyze the learning level of the students to attain the Cos. The evaluated answer scripts are randomly checked and verified by the HOD. Sample answer sheets (best, good and average) are maintained in the course file as evidence. The evaluated answer scripts of examinations are handed over to the students after evaluation to point out the discrepancies, if any to the notice of the concerned teacher and the necessary correction are carried out. CAT marks and attendance are communicated to the parents either through SMS or during Parents-Teachers meeting. The marks scored by each student is entered in an excel sheet and analyzed.

RESULT ANALYSIS

Minimum Pass Mark: 50

Date of test: 18.01.2018

Description	(Poor& Failed Students)	50 – 60 (Average Students)	61 – 80 (Fair Students)	81 – 100 (Bright Students)
No. of Students	1	13	22	3

Roll Number and Name of Failed and Poor Students:

Highlight repeated failures referring to previous test:

Root Cause for the Failed & Poor Students: (Analyze student wise for good result) – Add additional sheets if required

Why 1? : Weak in sentence formation

Why 2? : They are not following the standard books

Why 3? : Slow learners

Corrective Action for the Failed & Poor Students: (Attach separate sheet, if required)

Roll no. of improved student performance when compared to previous test:

Subject Teacher

Head of the Department

2.2.3. Quality of Student Projects

The conduct of project is monitored by Project Monitoring Committee (PMC) which is initiated in VII semester although Anna University recommends the initiation of end semester project from VIII semester onwards. Project hour has to be allotted in time table of VII semester, per week one period can be given. It is the carry forward process, project coordinator can be allotted taking into account of VIII semester (same coordinator has to continue for VIII semester).

Process related to project identification, allotment, continuous monitoring and evaluation

Students of final year are divided into various groups to carry out the project work. The identification of projects and allotment is carried out through a formal circular by Project coordinator/HOD. The specialization areas of respective faculty with their area of interest is collected which will then be considered for allocation of research topics and Student groups.

Preliminary discussion between the batch of students and faculty is held to decide on the following aspects of project work: Suitable and appropriate problem of research, Objectives of the study, Methodology to be employed, Data collection to be made, Prospective analysis and interpretation of data, Expected conclusions and Scope for further study. This will finally decide on the Preparation of a Project report and Qualities of a researcher. Every project supervisor is allotted with a group of students who will be guided by him until the project work is completed. This will be monitored and ratified by Project coordinator/HOD.

Schedule	Work plan
First week	Project Orientation by Project coordinator
Second week	Domain description by Project coordinator
Third week	Team formation(Maximum of 4 members)
Fourth week	Guide allocation based on the specialization (Arrangement for display of staff with specialization)
Fifth week	Presentation regarding domain related ongoing activities by the project students.(About proposed projects)
Sixth week	Collection of literature papers (Conference + Journal) - Atleast 20 papers (Hard copies)
Seventh week	Survey activities
Eighth week	Problem identification
Ninth week	Title Confirmation
Tenth week	Zeroth review presentation+ Literature survey report submission

Quality of Student Projects

The department publishes the rules and guidelines for the project identification as given below:

1. The project should have at least one IEEE reference.
2. Maximum of three members is allowed in a batch.
3. Preferably the project should have both hardware and software components.
4. The project students should meet their guide regularly and carry out the project work.
5. The project should be in terms of consideration to the factors including real life problems, socially relevant, environment safety, ethics, cost, type (application, product, research, review) and standards.
6. Each project should have a demonstration of working prototypes and enhancing the relevance of projects.
7. The project report, as per Anna University specified format, should be submitted after completion of the project.
8. The maximum time allotted to complete the project work is one semester for main project and two months for mini project.

The students should attend all the project reviews and present their ideas with the help of PPTs.

Process for Monitoring and Evaluating the Quality of Projects

Two Expert members will be nominated for the smooth conduct of review. Expert members should not be changed under any circumstances. At the end of VII semester, team has to submit the literature survey report along with the bonafide certificate.(Refer :Anna University UG thesis report-Front page, Bonafide certificate, Table of Contents-Introduction, Literature Survey(Content, Advantage, Disadvantage, Conclusion) Guide should be present for all the review. Project coordinator is to monitor the ongoing process.

Plan and Description of activities for VIII semester are listed below

Schedule	Work plan
First week	Review-Outline of Project work
Third week	Report-First Chapter submission
Sixth Week	Review-Description of Project work
Final Review	Report submission-Second and Third Chapter Submission
Tenth week	Report-Submission-Comprised of full work.

All the scheduled work must be maintained in project diary (will be given by the department) and acknowledged by the project guide.

Summary of review to be submitted by the project coordinator:

STUDENT's NAME & REGISTER NO.	:
NAME OF THE INTERNAL GUIDE	:
REVIEW PANEL MEMBERS (RPMs)	:
PROJECT TITLE	:



HOD/CSE

		PERI INSTITUTE OF TECHNOLOGY															
		DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING															
		BATCH 2015-2019															
		CS6811 PROJECT WORK															
		SEM:VIII					YEAR:IV										
S.NO	BATCH NO	REGISTER NO	STUDENT NAME	DOMAIN	PROJECT TITLE	INTERNAL GUIDE	Review Marks (20)	Thesis Submission(30)		Viva-Voce (50)			Total Marks (100)				
								Internal (15)	External (15)	Internal (15)	External (20)	Supervisor (15)					
1		411515104001	ABILA.M	DATA MINING	SECURITY FACILE AS A SERVICE CACHE VIA DENIABLE KP-ABE	Mr.DHINAKARAN											
		411515104007	ANGELINE.T														
		411515104057	PAVITHRA.B														
2	2	411515104002	ADARSH.R	CLOUD COMPUTING	PROFICIENCY RECOVERY OVER RECORDS IN CLOUD STORAGE	Ms.RENUKA											
		411515104089	SABAREESH														
		411515104115	VJAYA KUMAR,M														
3	3	411515104003	AJAY SURVE.C	IOT	FISHERMAN BORDER SECURITY USING IOT	Mr.RICHARD JIMREEVES											
		411515104016	DHARMESH.M														
		411515104022	GALI MADHAN KUMAR.														
4	4	411515104004	AKASH.K	IOT	DESIGN OF AN IOT BASED AUTONOMOUS VEHICLE WITH THE AID OF COMPUTER VISION	MR.GOPALAKRISHNAN											
		411515104103	SURYA.T														
		411515104105	TAMILARASAN.S														
5	5	411515104005	AKASH.R	CLOUD COMPUTING	A THREE LAYER PRIVACY PROTECTIVE USING CLOUD STORAGE	Ms.RAMYA PRIYADHARSHINI											
		411515104017	DHARSHAN.D														

Rev No	Reg. No	Date	Time	Comments	Guide Mark (50)						RPM Marks (50)						TOTAL (100)
											RPM 1		RPM 2				
					On time submission (5)	Regular in meeting guide (10)	Report (5)	Presentation (20)	Technical Content (10)	Sign	Report (10)	Overall presentation (15)	Sign	Report (10)	Overall presentation (15)	Sign	
1																	
2																	
3																	
4																	
Final																	

The progress of project is periodically monitored by a review committee headed by HOD and project coordinator. They duly assessed the work and pass on their critical comments regarding the project. Their comments are acted upon by the students under the supervision of the project guide. Marks are awarded for every review. The total reviews are three. Marks awarded for all the three reviews form part of internal assessment of project work. This includes the following aspects and orientation:

- Innovation
- Originality
- Social Impact and relevance
- Environmental safety and Ethics

The evaluation is carried out to assess both individual and team performance. The team Performance is gauged on the following aspects:

- The final setup of the project report
- The depth of Literature review covered
- The methodology adopted

- The analysis carried out and presented
- The discussion culminating in conclusions and the new impacts at the end of the project work with scope for further study.

The individual performance evaluation is made on the following observations:

- The style of presentation
- Ability to answer the questions
- Depth of understanding of the problem
- Individual contribution to data collection and analysis of the problem proper.
- Demonstration of the work by way of presenting models and other innovative ways of expression.

Submission of Project Report and Conductance of Viva-Voce:

Continuous internal assessment is monitored by the faculty guide at every stage of the project work by giving due weight-age to sources consulted / literature review, methodology, data collection, technical accuracy, content of the report and references. In addition, the external examiner evaluates the project report and conducts viva-voice examination.

Internal Assessment				University Examination\Evaluation					Total
				Project Thesis Submission (30)		Viva-Voce(50)			
Attendance (20)	I	II	III	Internal Examiner	External Examiner	Internal Examiner	External Examiner	Supervisor	



HOD/CSE