

Assessment methods/Period of Assessment	3. Recitation oral questions by teacher answered orally by students 4. Open text book study • Continuous assessment examinations • Practical Component <ol style="list-style-type: none"> 1. Observation Note 2. Conduct of Experiment 3. Viva 4. Model Practical • End semester examination	• Monthly • Once in a week
Sample Focus Questions / Learning Level	1. Compare stack and queue. 2. In a book store, the books are arranged one above the another. Identify the suitable data structure and perform the various operations using array such as inserting the book, removing the book, and display all the available books. 3. Implement the operations of Queue using array within structure. Write a function to count the number of vowels and consonants present in the queue.	• End of semester II – Understand III – Apply III – Apply

VII. ATTAINMENT OF COURSE OUTCOMES (COs)

➤ Attainment through Cumulative Internal Examinations (CIE)

COs	Assessment Methods				Attainment level of CO	Mapped PO
	CA Test-I	CA Test-II	Lab Component	Other Assessment		
CO1	3.08			5	4.04	1,2
CO2	1.5			5	3.25	1,2,3,4
CO3		3.43		5	4.22	1,2
CO4		2.75		5	3.88	1,2
CO5		3		5	4	1,2
CO6			5		5	1,2,3,4
CO7			5		5	1,2,3,4
CO8			5		5	1,2,3,4,5

➤ Attainment through Semester End Examination (SEE)

COs	Attainment level of CO	Mapped PO
CO1	3	1,2

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CO2	3	1,2,3,4
CO3	3	1,2
CO4	3	1,2
CO5	3	1,2

VIII. ATTAINMENT OF PROGRAM OUTCOMES (POs)

POs	1	2	3	4	5	6	7	8	9	10	11	12	PSO1	PSO2
Attainment level of PO from CIE	4.3	4.3	4.56	4.56	5	-	-	-	-	-	-	-	4.3	4.3
Attainment level of PO from SEE	3	3	3	3	-	-	-	-	-	-	-	-	3	3
Attainment level of PO (50% of CIE + 50% of SEE)	3.65	3.65	3.78	3.78	5	-	-	-	-	-	-	-	3.65	3.65

IX. COURSE ASSESMENT REPORT

Impact of delivery methods			Practical sessions along with theory classes helped the students to easily understand the programming concepts	
Innovations in teaching and learning			Simple real time problems for applying the important concepts have been given to weak students. The students were asked to write the programs by themselves.	
Student feedback			Course: Staff:	
POs attainment remarks				
POs	Target Level	Attainment Level	Observations	Actions for improvement
1	2.5	1.83	Not Satisfactory	More exercise is needed to improve programming skill of the students
2	1.6	1.17		
3	1.2	0.91		
4	1	0.76		
5	1	1		

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