

VII. ATTAINMENT OF COURSE OUTCOMES (COs)

> Attainment through Cumulative Internal Examinations (CIE)

Cos	Attainment level of CO				Attainment Level of CO	Mapped PO	Mapped PSO
	CA Test-I	CA Test-II	CA Test-III	Online Test/Tutorials			
CO1	3			5	4	1,2,3,4	1,2
CO2	4	2.5		5	3.83	1,2,3,4	1,2
CO3		2.17	2	5	3.26	1,2,3,4	1,2
CO4			3.57	5	4.29	1,2,3,4	1,2
CO5		1.67	2.67	5	3.11	1,2,3,4	1,2

> Attainment through Semester End Examination (SEE)

Cos	Attainment level of CO	Mapped PO	Mapped PSO
CO1	5	1,2,3,4	1,2
CO2	5	1,2,3,4	1,2
CO3	5	1,2,3,4	1,2
CO4	5	1,2,3,4	1,2
CO5	5	1,2,3,4	1,2

VIII. ATTAINMENT OF PROGRAM OUTCOMES (POs)

POs and PSOs	POs												PSOs	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2
Attainment level of PO & PSO from CIE	3.66	3.46	3.46	3.46	-	-	-	-	-	-	-	-	3.46	3.46
Attainment level of PO & PSO from SEE	5	5	5	5	-	-	-	-	-	-	-	-	5	5
Attainment level of PO (40% of CIE + 60% of SEE)	4.46	4.46	4.46	4.46	-	-	-	-	-	-	-	-	4.46	4.46

IX. COURSE ASSESMENT REPORT

Impact of delivery methods

Students were able to design and develop interactive and responsive web pages using HTML, javascript, and PHP.

Innovations in teaching and learning

1. Demonstrated the concepts by creating web pages
2. Made the students to design web pages using zoho sites which is an online web development tool
3. Web resources

Student feedback

POs attainment remarks

POs	Target Level	Attainment Level	Observations	Actions for improvement
1	3	2.67	Attained	The attainment level may further be improved by training the Students to develop real-time applications to explore and understand more about PHP and database manipulation using PHP
2	2	1.78		
3	1	0.89		
4	1	0.89		

PSOs attainment remarks

PSOs	Target Level	Attainment Level	Observations	Actions for improvement
PSO1	3	2.67	Attained	The attainment level may further be improved by engaging the students in Internship projects. More emphasis can be given on web application development using web development frameworks
PSO2	2	1.78		