



# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

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L.B. REDDY NAGAR, MYLAVARAM, KRISHNA DIST., A.P.-521 230.

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### COs, POs and PSOs Assessment & Attainment

Faculty name : Mr. N. SRINIVASA RAO  
Course name & Code : PHP Programming - 17CS08  
Academic year : 2020-21  
Semester : VI

**Course Outcomes (CO):** After the completion of the course, students should be able to

CO1: Identify the basic programming constructs of PHP.
CO2: Develop programs using functions, strings and arrays.
CO3: Apply object-oriented principles in PHP.
CO4: Design interactive web pages by using jQuery & AJAX.
CO5: Design data driven applications by using PHP.

### Course Articulation matrix:

COs	Program Outcomes (POs)												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	1	2	-	2	-	-	-	-	-	-	-	3	-	-
CO2	3	1	3	-	2	-	-	-	-	-	-	-	3	-	-
CO3	2	1	3	-	2	-	-	-	-	-	-	-	3	-	-
CO4	2	1	3	-	2	-	-	-	-	-	-	-	3	2	-
CO5	2	1	3	-	2	-	-	-	-	-	-	-	3	2	-

**S=3=SUBSTANTIAL (100%), M=2= MODERATELY (66%), L=1=LIGHTLY (33%)**

## Course Assessment and Evaluation:

	<b>What</b>	<b>To Whom</b>	<b>When/ Where/How (Frequency in the course)</b>	<b>Max Marks</b>	<b>Evidence Collected</b>	<b>Contribution to Course Outcomes</b>
<b>Direct Assessment Methods</b>	<b>Cumulative Internal Examination (CIE)</b>	<b>Students</b>	Twice in a semester Max (M1, M2) *0.75+ Min (M1, M2) *0.25 Computed	<b>20</b>	Answer Scripts	1,2 in MID-I & 3,4,5 in MID-II
			Quiz-1 & Quiz-2	<b>10</b>	Online	Quiz-1: 1,2 units, Quiz-2: 3,4,5 units
			Assignment	<b>5</b>	Reports	1,2,3,4 & 5
			Attendance	<b>5</b>	Register	-
	<b>Semester End Examinations (SEE)</b>		End of Course (Answering 5 of 5 internal choice questions) Class Average marks for each question is considered for Assessment	<b>60</b>	Answer Scripts	1,2,3,4 & 5

# 1. Attainment of Course Outcomes through Mid Examinations, Assignments and Online Quiz Examinations:

Course Name with Code: PHP Programming (17CS08)								
CIE Attainment				Question-CO Articulation Matrix				
		% Students Attempted	%Attainment	CO1	CO2	CO3	CO4	CO5
MID-I	Q1a	62	82.5	1				
	Q1b	56	78.09	1				
	Q1c	35	75.56	1				
	Q1d	38	76	1				
	Q2a	57	81.09		1			
	Q2b	45	81.04		1			
	Q2c	42	77.78		1			
	Q2d	43	89.29		1			
	Q3a	82	83.97	1				
	Q3b	79	83.5	1				
	Q3c	15	73.69		1			
	Q3d	15	89.48		1			
MID-II	Q1a	33	83.73			1		
	Q1b	27	68.58			1		
	Q1c	68	76.41			1		
	Q1d	57	83.79			1		
	Q2a	66	81.4				1	
	Q2b	63	75.61				1	
	Q2c	29	86.85				1	
	Q2d	28	72.98				1	
	Q3a	28	83.79					1
	Q3b	12	40					1
	Q3c	58	86.85					1
	Q3d	55	80.29					1
<b>MID Attainment</b>				<b>79.94</b>	<b>82.07</b>	<b>78.13</b>	<b>79.21</b>	<b>72.74</b>
Assignment	A1	100	100	1				
	A2	100	100		1			
	A3	100	100			1		
	A4	100	100				1	
	A5	100	100					1
<b>Assignment Attainment</b>				<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Quiz	Q1	98	71.88	1	1			
	Q2	99	72.1			1	1	1
<b>Quiz Attainment</b>				<b>71.88</b>	<b>71.88</b>	<b>72.1</b>	<b>72.1</b>	<b>72.1</b>

## 2. Attainment of Course Outcomes through Semester End Examinations (SEE):

Course Name with Code: PHP Programming (17CS08)							
SEE Attainment			Question-CO Articulation Matrix				
	% Students Attempted	%Attainment	CO1	CO2	CO3	CO4	CO5
Q1a	34	48.84	1				
Q1b	37	59.58	1				
Q2a	77	58.17	1				
Q2b	87	79.28	0.75				
Q3a	59	82.67		0.75			
Q3b	59	80		1			
Q4a	67	80.24		1			
Q4b	68	63.22		1			
Q5a	70	82.03			1		
Q5b	59	65.79			1		
Q6a	48	78.69			0.75		
Q6b	48	62.3			1		
Q7a	77	69.7				1	
Q7b	75	92.71				0.75	
Q8a	30	69.24				1	
Q8b	29	56.76				1	
Q9a	78	77					1
Q9b	80	74.51					1
Q10	34	30.24					1
<b>SEE Attainment</b>			<b>56.52</b>	<b>71.37</b>	<b>67.29</b>	<b>66.31</b>	<b>60.59</b>

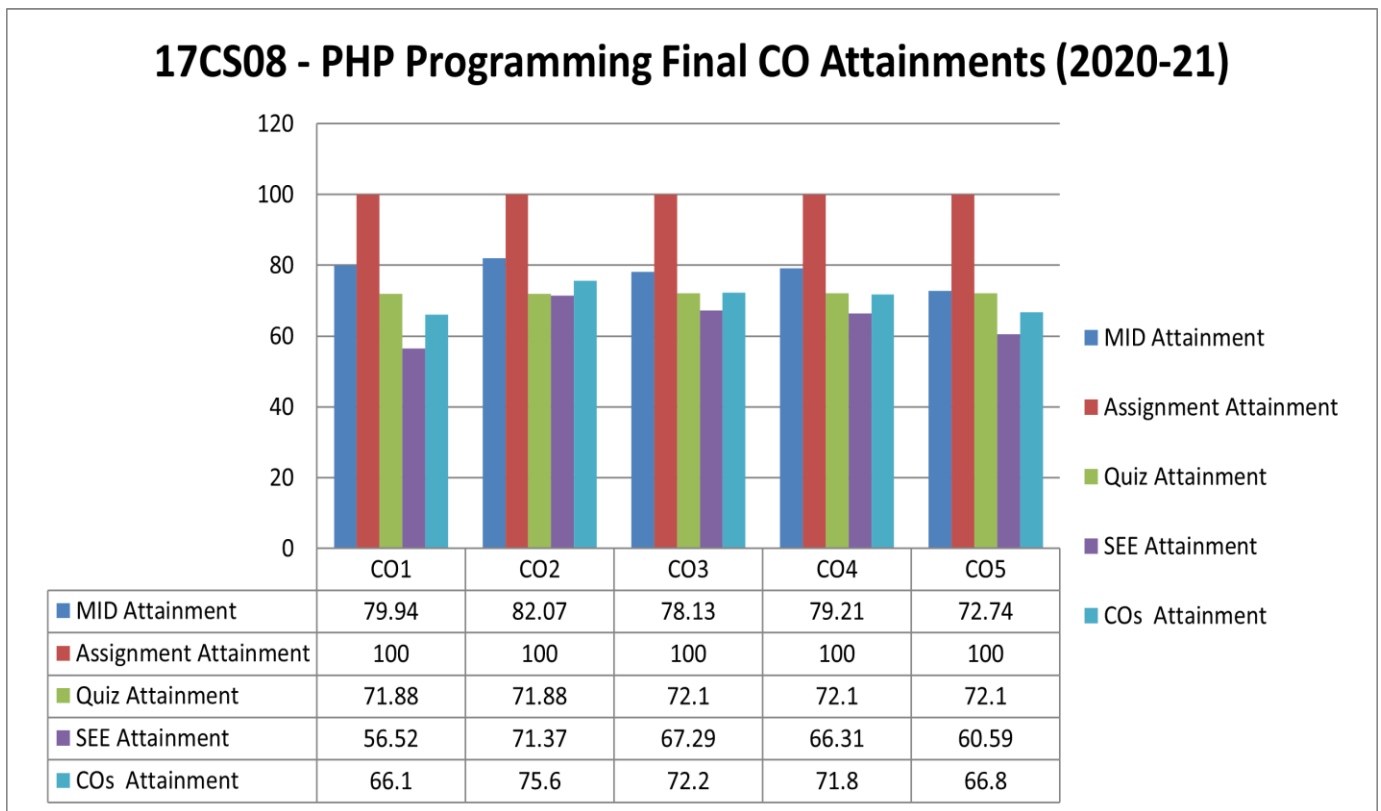
**Note:** The final attainments of COs are determined according to the given weightage.

**Weightage for COs:** 60% of Semester End Examinations + 25% of Mid Examinations +10% of Online Quiz Examination + 5% of Assignments

**Final CO Attainment:**

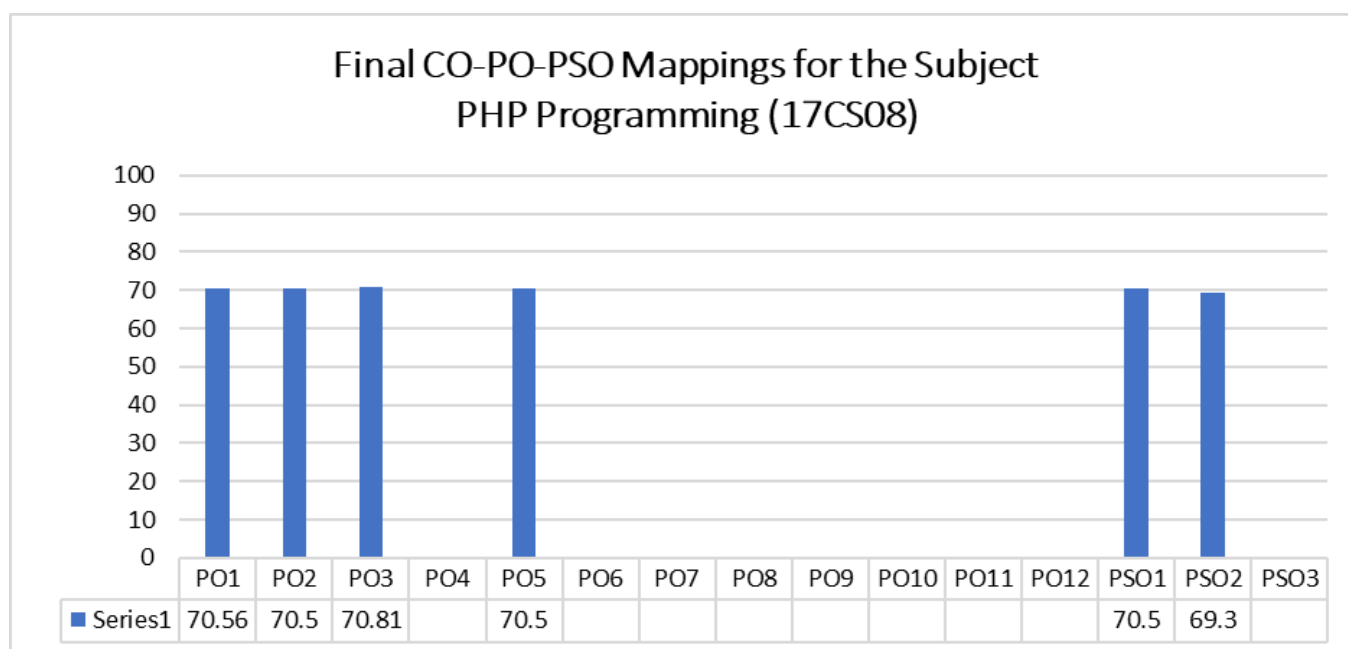
Final COs Attainment (Web Technologies - 17CI14)					
Assessment Tool	C01	C02	C03	C04	C05
MID Attainment	79.94	82.07	78.13	79.21	72.74
Assignment Attainment	100	100	100	100	100
Quiz Attainment	71.88	71.88	72.1	72.1	72.1
SEE Attainment	56.52	71.37	67.29	66.31	60.59
<b>Final CO Attainment</b>	<b>66.1</b>	<b>75.6</b>	<b>72.2</b>	<b>71.8</b>	<b>66.8</b>
CO target	65	65	65	60	60

**Graph Representation of COs Attainment:**



### Calculation of CO-PO-PSO attainment:

CO/PO/PSO	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PS01	PS02	PS03
C01	3	1	2	-	2	-	-	-	-	-	-	-	3	-	-
C02	3	1	3	-	2	-	-	-	-	-	-	-	3	-	-
C03	2	1	3	-	2	-	-	-	-	-	-	-	3	-	-
C04	2	1	3	-	2	-	-	-	-	-	-	-	3	2	-
C05	2	1	3	-	2	-	-	-	-	-	-	-	3	2	-
Final Attainment Value	<b>70.56</b>	<b>70.5</b>	<b>70.81</b>		<b>70.5</b>								<b>70.5</b>	<b>69.3</b>	



### Comments:

Course Instructor	Course Coordinator	Module Coordinator	HOD
Mr. N. SrinivasaRao	Mr. N. SrinivasaRao	Dr. M. SrinivasaRao	Dr.D.Veeraiah