



CANARA ENGINEERING COLLEGE

BENJANAPADAVU – 574219, Bantwal Taluk, D K District, Karnataka

www.canaraengineering.in

Feedback on Learning Outcomes - Department of CSE

Sample Feedback Forms - Pg. No.2
Feedback Analysis - Pg.No. 9



≡ Data to Information & Information to Insight

Dashboard

Online Users : 31 Welcome, Prathibha . M (0120140018)

Logout (logout)

VI Semester Students till 23rd July 2022. Student edit option is available for TG. Datewise Attendance report is available under attendance which is under

Criteria-7 CO PO Report

Admission Year: ▼

Select Branch: ▼

Print Report

CO PO Report-2016-2017 Computer Science & Engineering

Sl. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
1	15CS61	8.29	CO1 CO2 CO3 CO4 CO5 5.53	CO1 CO2 CO3 CO4 CO5 5.53	8.29	CO1 CO2 CO3 CO4 CO5 6.63		CO1 CO3 CO4 CO5 6.22		CO4 5.53					CO4 CO5 5.53	CO1 CO2 CO3 CO4 6.22		
2	15MAT11	6.91	CO1 CO2 CO3 CO4 CO5 6.91	CO1 CO2 CO3 CO4 CO5 5.99														
3	15PHY12	8.2	CO1 CO2 CO3 CO4 CO5 8.2	CO1 CO2 CO3 CO4 CO5 5.47														
4	15CIV13	3.23	CO1 CO2 CO3 CO4 CO5 2.8	CO1 CO2 CO3 CO4 CO5 2.8														
5	15EME14	8.41	CO1 CO2 CO3 CO4 CO5 8.41	CO1 CO2 CO3 CO4 CO5 6.17								CO1 CO2 CO3 CO4 CO5 6.73						

Sl. No.	Course Code	CO Attainment 10 Scale	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PSO1 PSO2 PSO3 PSO4																	
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4		
6	15ELE15	8.93	CO1 CO2 CO3 CO4 CO5 8.33	CO1 CO2 CO3 CO4 CO5 6.55																
7	15WSL16	10	CO1 CO2 CO3 CO4 CO5 6.67									CO1 CO2 CO3 CO4 CO5 6.67	CO1 CO2 CO3 CO4 CO5 6.67							
8	15PHYL17	10	CO1 CO2 CO3 CO4 CO5 10	CO1 CO2 CO3 CO4 CO5 6.67									CO1 CO2 CO3 CO4 CO5 6.67							
9	15MAT21	4.17	CO1 CO2 CO3 CO4 CO5 4.17	CO1 CO2 CO3 CO4 CO5 3.61																
10	15CHE22	4.56	CO1 CO2 CO3 CO4 CO5 3.04	CO1 CO3 CO4 CO5 3.04																
11	15PCD23	6.31	CO1 CO2 CO3 CO4 CO5 5.05	CO1 CO3 CO4 CO5 4.73	CO1 CO2 CO3 CO4 CO5 5.89															
12	15CED24	9.07	CO1 CO2 CO3 CO4 CO5 9.07	CO1 CO2 CO3 CO4 CO5 6.05		CO3 CO4 CO5 9.07								CO1 CO2 CO3 CO4 CO5 3.02						
13	15ELN25	8.2	CO1 CO2 CO3 CO4 CO5 7.11	CO1 CO2 CO3 CO4 5.47																
14	15CPL26	10	CO1 CO2 10 CO3 CO5 5.83	CO1 CO2 CO3 CO5 5.83	CO5 6.67	CO3 CO4 8.33	CO4 3.33													
15	15CHEL27	9.77	CO1 CO2 CO3 CO4 CO5 6.51	CO1 CO2 CO3 CO4 CO5 6.51								CO3 CO4 CO5 6.51								

Sl. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
16	15CIV28	3.79						CO1 CO2 CO3 CO4 CO5 2.53	CO1 CO2 CO3 CO4 CO5 2.53	CO1 CO2 CO3 CO4 CO5 2.53				CO1 CO2 CO3 CO4 CO5 2.53				
17	15MAT31	8.63	CO1 CO2 CO3 CO4 CO5 8.05	CO3 CO4 CO5 7.67														
18	15CS32	8.46		CO1 CO2 CO3 CO4 CO5 5.64	CO1 CO2 CO3 CO4 CO5 5.64									CO1 CO2 CO3 CO4 CO5 5.64				
19	15CS33	9.14	CO1 CO2 CO3 CO4 CO5 8.53	CO1 CO2 CO3 CO4 CO5 5.48	CO1 CO2 CO3 CO4 CO5 8.53									CO1 CO2 CO3 CO4 CO5 6.09			CO1 CO2 CO3 CO4 CO5 8.53	
20	15CS834	10	CO1 CO2 CO3 CO4 CO5 8	CO1 CO2 CO3 CO4 CO5 8.67	CO2 CO3 CO4 CO5 8.33	CO1 CO5 3.33												CO1 CO2 CO3 CO4 CO5 6.67
21	15CS34	8.89			CO1 CO3 CO4 5.93		CO1 CO4 CO5 5.93								CO1 CO2 CO3 CO4 CO5 8.89			CO1 CO3 CO4 2.96
22	15CS35	2.93	CO1 CO2 CO3 CO4 CO5 1.95		CO2 CO3 CO4 CO5 1.95		CO1 CO2 CO3 CO4 CO5 1.95								CO1 CO2 CO3 CO4 CO5 1.95			
23	15CS36	8.84	CO1 CO2 CO3 CO4 8.84	CO2 CO3 CO4 CO5 6.63		CO1 CO5 5.89												CO1 CO2 CO3 CO4 CO5 5.89
24	15CSL37	9.26	CO1 CO3 7.72	CO1 CO2 CO4 6.17	CO1 CO2 CO4 6.17	CO2 CO5 4.63	CO1 CO3 CO5 5.14				CO1 CO2 3.09				CO1 CO2 3.09			CO5 6.17
25	15CSL38	9.43	CO1 CO2 CO3 CO4 CO5 6.29	CO1 CO2 CO3 CO4 CO5 9.43	CO1 CO2 CO3 CO4 CO5 9.43							CO3 6.29						CO1 CO2 CO3 CO4 CO5 6.29

Sl. No.	Course Code	CO Attainment 10 Scale	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12 PS01 PS02 PS03 PS04																
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS01	PS02	PS03	PS04	
26	15MAT41	8.09	CO1 CO2 CO3 CO4 CO5 8.09	CO1 CO2 CO3 CO4 CO5 6.47															
27	15CS42	7.96		CO3 2.65	CO1 CO2 CO5 6.19		CO3 CO4 5.31						CO4 7.96				CO1 CO2 CO3 5.31	CO1 CO2 CO3 CO5 5.31	
28	15CS742	4.04	CO1 CO2 CO3 CO4 CO5 2.69	CO1 CO3 CO4 3.59	CO5 4.04	CO2 CO3 CO4 4.04	CO1 CO3 3.37									CO1 CO2 CO3 CO4 CO5 2.69		CO1 CO2 CO3 CO4 CO5 2.69	
29	15CS43	8.5	CO1 CO2 CO3 CO4 CO5 8.5	CO1 CO2 CO3 CO4 CO5 5.67	CO2 CO3 CO4 CO5 5.67								CO5 8.5	CO1 5.67			CO2 CO3 CO4 CO5 5.67	CO2 CO3 CO4 CO5 5.67	
30	15CS44	9.14	CO2 CO3 CO5 6.09	CO2 CO3 CO5 6.09	CO2 CO3 CO5 6.09	CO3 CO5 6.09	CO3 CO5 6.09							CO1 CO5 9.14			CO1 CO2 CO3 CO5 5.33	CO1 CO3 CO4 4.06	
31	15CS45	9.19	CO1 CO2 CO3 CO4 CO5 6.13		CO1 CO2 CO3 CO4 CO5 6.13	CO1 CO2 CO3 CO4 CO5 6.13	CO1 CO2 CO3 CO4 CO5 6.13											CO1 CO2 CO3 CO4 CO5 6.13	CO1 CO2 CO3 CO4 CO5 6.13
32	15CS46	8.33	CO1 CO2 CO3 CO5 6.94	CO1 CO2 CO3 CO5 4.86	CO5 5.55	CO3 CO4 6.94	CO4 2.78										CO1 CO2 CO3 CO4 CO5 8.33		
33	15CSL47	10	CO1 CO2 CO5 8.89	CO3 CO5 6.67	CO1 CO2 CO5 8.89		CO1 6.67						CO3 CO4 3.33		CO1 CO5 6.67			CO1 CO3 CO5 5.56	
34	15CSL48	9.09	CO1 CO2 6.06	CO1 6.06	CO1 6.06		CO1 CO2 CO3 CO4 6.82				CO1 CO2 7.58		CO1 9.09	CO1 CO2 CO3 CO4 3.79	CO1 CO5 7.58	CO1 3.03	CO4 3.03	CO1 CO2 CO3 CO4 3.79	
35	15CS51	8.67	CO1 CO2 CO3 CO5 5.78	CO1 CO5 7.23	CO2 CO3 5.78			CO1 CO2 CO3 5.78		CO1 CO5 4.34	CO1 CO3 CO4 CO5 5.78	CO1 CO3 CO4 CO5 5.06	CO1 CO3 CO4 CO5 2.89						
36	15CS651	8.2	CO1 CO2 CO3 CO4 CO5 2.73	CO2 CO3 CO4 CO5 5.47													CO2 CO3 CO4 CO5 5.47		

Sl. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
37	15CS52	7.77	CO1 CO2 3.89	CO2 CO3 CO4 CO5 3.24	CO3 CO4 CO5 5.18											CO1 CO2 CO3 CO4 CO5 7.77		
38	15CS53	8.33	CO2 2.78	CO2 2.78	CO1 CO2 CO3 CO4 CO5 6.11												CO1 CO2 CO3 CO4 CO5 7.22	
39	15CS553	8.8	CO1 CO2 CO3 CO4 CO5 5.87	CO1 CO2 8.8	CO1 CO3 CO4 CO5 8.8	CO2 8.8	CO1 CO2 CO3 CO4 CO5 8.8							CO4 CO5 8.8		CO1 CO2 CO3 CO4 CO5 8.8	CO1 CO2 CO3 CO4 CO5 8.8	
40	15CS754	8.67			CO1 CO2 CO3 CO4 CO5 5.2		CO1 CO2 CO3 CO4 CO5 8.67							CO1 CO2 CO3 CO4 CO5 5.78	CO1 CO2 CO3 CO4 CO5 5.78	CO1 CO2 CO3 CO4 CO5 5.78		
41	15CS54	9.01	CO1 CO2 CO3 CO4 CO5 8.41	CO1 CO2 CO3 CO4 CO5 8.41		CO1 CO2 CO3 CO4 CO5 8.41											CO1 CO2 CO3 CO4 CO5 8.41	
42	15CSL57	9.03	CO1 CO2 CO3 CO4 CO5 7.22	CO2 9.03	CO1 9.03		CO1 CO2 9.03							CO1 CO2 CO3 6.02		CO1 CO2 CO3 8.03		CO1 CO2 6.02
43	15CSL58	9.26	CO1 CO2 CO3 CO4 CO5 6.17	CO1 CO3 CO4 CO5 9.26	CO1 CO2 CO3 CO4 CO5 6.17									CO3 CO5 6.17				CO1 CO3 9.26
44	15CS62	3.31	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 2.21			CO3 CO4 CO3 CO4 2.21	CO1 CO2 CO3 CO5 CO1 CO2 CO3 CO5 3.31											CO1 CO2 CO3 CO1 CO2 CO3 2.21
45	15CS63	8.89	CO1 CO2 CO3 CO4 CO5 8.89	CO3 CO4 CO5 5.93	CO1 CO2 CO3 CO4 CO5 5.93		CO4 5.93							CO1 CO2 CO3 CO4 CO5 5.93	CO1 CO2 CO3 CO4 CO5 8.89		CO1 CO2 CO3 CO4 CO5 5.93	
46	15CS564	8.59	CO1 CO2 7.16		CO1 CO2 CO3 CO4 CO5 7.44		CO1 5.73											CO1 CO2 CO3 CO4 CO5 5.73

Sl. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	
47	15CS664	2.97	CO1 CO2 1.98	CO1 CO2 CO3 CO4 CO5 1.98		CO3 CO4 CO5 1.98												CO3 CO4 CO5 2.97	
48	15CS64	8.59	CO1 CO2 CO3 CO4 CO5 6.87	CO2 CO3 CO4 CO5 7.87	CO2 2.86										CO1 2.86		CO2 CO3 CO4 CO5 2.86		
49	15CSL67	9.77		CO1 CO2 CO3 CO4 CO5 6.51		CO1 CO2 CO3 CO4 CO5 9.77	CO1 CO2 CO3 CO4 CO5 9.77								CO1 CO2 CO3 CO4 CO5 6.51		CO1 CO2 CO3 CO4 CO5 6.51		
50	15CSL68	8.74	CO1 CO2 CO3 CO4 CO5 8.74				CO1 CO2 CO3 CO4 CO5 8.74				CO2 CO4 CO5 8.74	CO3 CO5 8.74			CO1 CO2 CO3 CO4 CO5 5.83				
51	15CS71	7.26			CO1 CO2 CO3 CO4 CO5 7.26		CO1 CO2 CO3 CO4 CO5 4.36							CO1 CO2 CO3 CO4 CO5 2.42		CO1 CO2 CO3 CO4 CO5 7.26		CO1 CO2 CO3 CO4 CO5 6.29	
52	15CS72	8.71	CO1 CO2 CO3 CO4 CO5 6.97	CO1 CO2 CO3 CO4 CO5 7.55	CO5 5.81										CO1 CO2 CO3 CO4 CO5 8.71				
53	15CS73	6.19	CO1 6.19	CO1 CO2 CO3 CO4 CO5 6.19	CO2 CO3 CO4 CO5 5.67	CO3 CO4 4.13	CO5 6.19								CO1 4.13		CO1 CO2 CO3 CO4 CO5 4.95	CO2 CO3 CO4 CO5 4.13	
54	15CSL76	9.43	CO1 9.43	CO1 CO2 9.43	CO1 9.43	CO4 9.43	CO5 9.43					CO5 9.43	CO3 CO5 9.43					CO1 CO2 CO3 CO4 CO5 9.43	
55	15CSL77	9.09	CO3 6.06	CO1 6.06	CO5 9.09	CO2 9.09	CO3 9.09			CO4 CO5 6.06		CO4 CO5 9.09			CO1 CO2 CO3 CO4 CO5 6.06				
56	15CSP78	9.66	CO1 CO2 6.44	CO1 CO2 CO5 9.66	CO1 CO2 8.05	CO1 CO2 CO3 CO5 8.86	CO1 CO2 CO3 CO3 9.66	CO1 CO2 CO2 CO3 8.59	CO1 CO5 6.44	CO3 9.66	CO1 CO3 9.66	CO3 CO4 CO5 8.59	CO3 6.44	CO1 CO2 CO3 CO4 9.66	CO1 CO2 CO3 CO4 CO5 9.66	CO1 CO2 CO3 CO4 CO5 9.66			

Sl. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
57	CPH	1.83						CO1 CO2 CO3 CO4 CO5 1.83		CO1 CO2 CO3 CO4 CO5 1.83				CO1 CO2 CO3 CO4 CO5 1.83				
58	15CS81	10			CO1 CO2 10	CO3 CO4 10	CO5 10		CO1 6.67							CO1 CO2 CO3 CO4 CO5 10		
59	15CS82	10	CO1 CO2 CO3 CO4 CO5 10	CO3 CO4 CO5 10	CO1 CO2 10	CO1 CO2 10	CO1 CO2 10							CO1 CO2 CO3 CO4 CO5 10			CO1 CO2 CO3 CO4 CO5 10	
60	15CS84	10	CO1 CO2 CO3 CO4 10	CO1 CO2 CO3 CO4 10	CO1 CO3 10	CO1 CO3 10	CO1 CO2 CO3 CO4 10	CO1 CO2 CO3 CO4 6.67	CO1 CO2 CO3 CO4 6.67	CO1 CO2 CO3 CO4 6.67	CO1 CO2 CO3 CO4 10	CO1 CO2 CO3 CO4 8.33	CO1 CO2 CO3 CO4 6.67	CO1 CO2 CO3 CO4 3.33	CO1 CO2 CO3 CO4 6.67	CO1 CO2 CO3 CO4 10	CO1 CO2 CO3 CO4 6.67	
61	15CSP85	10	CO1 CO2 6.67	CO1 CO2 10	CO1 CO2 CO4 8.89	CO1 CO2 CO3 CO4 9.17	CO1 CO2 CO3 10	CO1 CO2 CO3 8.89	CO1 6.67	CO3 10	CO1 CO3 10	CO3 CO5 8.33	CO3 6.67	CO1 CO2 CO3 CO4 CO5 10	CO1 CO2 CO3 CO4 CO5 10	CO1 CO2 CO3 CO4 CO5 10	CO1 CO2 CO3 CO4 6.67	CO1 CO2 CO3 CO4 6.67
62	15CSS86	10	CO1 CO2 CO3 CO4 CO5 10	CO3 CO4 CO5 6.67	CO1 CO2 CO3 CO4 CO5 6.67		CO4 6.67							CO1 CO2 CO3 CO4 CO5 6.67	CO1 CO2 CO3 CO4 CO5 10		CO1 CO2 CO3 CO4 CO5 6.67	



CANARA ENGINEERING COLLEGE

Benjanapadavu, Bantwal Taluk
Mangalore – 574219



Computer Science and Engineering Department

CO-PO FEEDBACK ANALYSIS AND ACTION TAKEN REPORT

ACADEMIC YEAR 2019-2020

POs	Target Level	Attainment Level	Observations	Action Taken
PO 1: Engineering Knowledge				
PO 1	6.97	6.37	8.60% of shortfall in attaining PO against the target level. This is due to the low CO contribution from the courses: 15CS35,15CS742,15CS62,15CS664	Action 1: The course instructor(15CS35) has Conducted experiments using UML opensource tool and virtual lab Action 2: The course instructor(15CS742) has conducted demonstration of Amazon Web Services (AWS) Action 3: The course instructor(15CS664) has conducted additional sessions on Decorators, Iterators and generators, lambda functions. Django, Flask Action 4: The course instructor(15CS62) has conducted additional sessions on Blender tool for graphics Action 5: Tutorial and additional lecture hour has been conducted for the courses having low CO attainment.
PO 2: Problem Analysis				

PO 2	7.18	6.69	6.69% of shortfall in attaining PO against the target level. This is due to the low CO contribution from the courses: 15CS742,15CS664	<p>Action 1: The course instructor(15CS742) has conducted demonstration of Amazon Web Services (AWS)</p> <p>Action 2: The course instructor(15CS664) has conducted additional sessions on Decorators, Iterators and generators, lambda functions. Django, Flask</p> <p>Action 3: Tutorial and additional lecture hour has been conducted for the courses having low CO attainment.</p> <p>Action 4: Technical talk/Lecture has been arranged on recent advancements towards problem analysis.</p>
PO 3: Design/Development of Solutions				
PO 3	7.84	6.19	20.94% of shortfall in attaining PO against the target level. This is due to the low CO contribution from the courses: 15CS35,15CS742,15CS71.	<p>Action 1: The course instructor(15CS35) has Conducted experiments using UML opensource tool and virtual lab</p> <p>Action 2: The course instructor(15CS742) has conducted demonstration of Amazon Web Services (AWS)</p> <p>Action 3: The course instructor(15CS71) has conducted additional sessions on Web media and working with database</p> <p>Action 4: Tutorial and additional lecture hour has been conducted for the courses having low CO attainment.</p> <p>Action 5: Hands on workshop has been arranged to improve the skills on software design and development.</p>
PO 4: Conduct investigation of complex problems				
PO 4	7.81	6.88	11.79% of shortfall in attaining PO against the target level. This is due to the low CO contribution from the courses: 15CS742,15CS62,15CS664	<p>Action 1: The course instructor(15CS742) has conducted demonstration of Amazon Web Services (AWS)</p>

				<p>Action 2: The course instructor(15CS664) has conducted additional sessions on Decorators, Iterators and generators, lambda functions. Django, Flask</p> <p>Action 3: The course instructor(15CS62) has conducted additional sessions on Blender tool for graphics</p> <p>Action 4: Continue the same methodology of teaching learning to maintain or improve the attainment level.</p> <p>Action 5: Tutorial and additional lecture hour will be assigned to the courses for further improvement of CO attainment.</p> <p>Action 6: Technical talk/Lecture has been arranged on recent advancements towards problem analysis.</p>
PO 5: Modern tool usage				
PO 5	7.64	6.17	19.13% of shortfall in attaining PO against the target level. This is due to the low CO contribution from the courses:15CS35,15CS742,15CS62,15CS71.	<p>Action 1: The course instructor(15CS35) has Conducted experiments using UML opensource tool and virtual lab</p> <p>Action 2: The course instructor(15CS742) has conducted demonstration of Amazon Web Services (AWS)</p> <p>Action 3: The course instructor(15CS62) has conducted additional sessions on Blender tool for graphics</p> <p>Action 4: The course instructor(15CS71) has conducted additional sessions on Web media and working with database.</p> <p>Action 5: Tutorial and additional lecture hour has been conducted to the courses for further improvement of CO attainment.</p>
PO 6: The engineer and society				

PO 6	7.5	7.11	5.2% of shortfall in attaining PO against the target level. This is due to the low CO contribution from the courses: 15CS84.	Action 1: Additional Training has been conducted Training on Current IT Technology. Action 2: Signed MOU with Qspider.
PO 7: Environment and Sustainability				
PO 7	7.78	6.38	17.88% of shortfall in attaining PO against the target level. This is due to low CO contribution from the courses: 15CS84	Action 1: Signed MOU with Qspider. Action 2: Additional Training has been conducted Training on Current IT Technology.
PO 8: Ethics				
PO 8	7.09	6.62	6.76% of shortfall in attaining PO against the target level. This is due to the low CO contribution from the courses: against the target level. 15CS84	Action 1: Tutorial and additional lecture hour has been conducted to the courses for further improvement of CO attainment. Action 2: Additional Training has been conducted Training on Current IT Technology.
PO 9: Individual and Team work				
PO 9	8.29	7.67	7.59% of shortfall in attaining PO against the target level. This is due to the low CO contribution from the courses:15CSL37,15CS51.	Action 1: The course instructor(15CS51) has conducted additional sessions on how to approach for loans for small and medium scale Entrepreneurial Ventures Action 2: The course instructor(15CSL37) has conducted additional sessions on Parity checker and generator using basic gates. Action 3: Tutorial and additional lecture hour has been conducted to the courses for further improvement of CO attainment.

				Action 4: Encouraging the students to take part in team based technical activities like quiz and designing competitions.
PO 10: Communication				
PO 10	8.32	7.14	14.28% of shortfall in attaining PO against the target level. This is due to the low CO contribution from the courses:15CSL47,15CS41	<p>Action 1: The course instructor(15CS35) has Conducted additional sessions on Laplas transform of special function, Taylors and laurents series in complex analysis.</p> <p>Action 2: The course instructor(15CSL47) has conducted additional sessions on advance topics covered on trees</p> <p>Action 3: Tutorial and additional lecture hour has been conducted to the courses for further improvement of CO attainment.</p> <p>Action 4: To improve the individual and group communications soft skill activities has been arranged</p>
PO 11: Project management and finance				
PO 11	7.05	5.91	15.93% of shortfall in attaining PO against the target level. This is due to low CO contribution from the courses: 15CS51	<p>Action 1: The course instructor(15CS51) has conducted additional sessions on how to approach for loans for small and medium scale Entrepreneurial Ventures</p> <p>Action 2: Tutorial and additional lecture hour has been conducted for the courses having low CO attainments.</p>
PO 12: Life Long Learning				
PO 12	5.98	6.05	0.83% of higher PO attainment against the target level	Action 1: Continue the same methodology of teaching learning to maintain or improve the attainment level.

PSO 1: Computer System Design				
PSO 1	7.13	6.7	6.03% of shortfall in attaining PSO against the target level. This is due to low CO contribution from the courses: 15CS35,15CSL37, 15CS64.	<p>Action 1: The course instructor(15CS35) has Conducted experiments using UML opensource tool and virtual lab</p> <p>Action 2: The course instructor(15CSL37) has conducted additional sessions on Parity checker and generator using basic gates</p> <p>Action 3: The course instructor(15CS64) has conducted additional sessions on Communication in a distributed environment.</p> <p>Action 4: Tutorial and additional lecture hour has been conducted for the courses having low CO attainments.</p>
PSO 2: Computer Communication and Internet Applications				
PSO 2	7.94	6.56	17.27% of higher PSO attainment against the target level. 15CS64,15CS742,15CSL48,15CS71	<p>Action 1: The course instructor(15CS64) has conducted additional sessions on Communication in a distributed environment</p> <p>Action 2: The course instructor(15CS742) has conducted demonstration of Amazon Web Services (AWS)</p> <p>Action 3: The course instructor(15CSL48) has conducted additional sessions on Advanced Software tools</p> <p>Action 4: The course instructor(15CS71) has conducted additional sessions Web media and working with database</p>

				Action 5: Tutorial and additional lecture hour has been conducted to the courses for further improvement of CO attainments.
PSO 3: Solve Computational Problems				
PSO 3	7.38	5.78	21.57% of higher PSO attainment against the target level. 15CS64,15CS73	Action 1: The course instructor(15CS73) has conducted additional sessions on the Basics of Probability and Statistics Action 2: The course instructor(15CS64) has conducted additional sessions on Communication in a distributed environment Action 3: Tutorial and additional lecture hour has been conducted to the courses for further improvement of CO attainments.
PSO 4: Software System Design and Development				
PSO 4	7.29	3.11	57.39% of shortfall in attaining PSO against the target level. This is due to the low contribution from indirect assessments and courses: 15CS742,15CS62,15CS664,15CS71	Action 1: The course instructor(15CS742) has conducted demonstration of Amazon Web Services (AWS) Action 2: The course instructor(15CS71) has conducted additional sessions Web media and working with database Action 3: The course instructor(15CS664) has conducted additional sessions on Decorators, Iterators and generators, lambda functions. Django, Flask Action 4: The course instructor(15CS62) has conducted additional sessions on Blender tool for graphics.

				<p>Action 5: Encouraging the students to participate in group activities such as paper presentation and technical events.</p> <p>Action 6: Tutorial and additional lecture hour has been conducted for the courses having low CO attainments.</p>
--	--	--	--	---



Signature of HOD



Signature of Principal