

CANARA ENGINEERING COLLEGE

BENJANAPADAVU – 574219, Bantwal Taluk, D K District, Karnataka www.canaraengineering.in

Feedback on Learning Outcomes - Department of ECE

Sample Feedback forms - Pg. No. 2 Feedback Analysis - Pg. No. 10



Criteria-7 CO PO Report

Data to Information & Information to Insight

Dashboard

Online Users: 30

Welcome, Prathibha . M (0120140018)

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Advanced Attendance option is available for VI Semester Students till 23rd July 2022. Student edit option i

	Admission	Year: Sele	ect				~									
	Select Bi	ranch: Sele	ect Bran	ch			•									
						Print	Report									
SI. No.	Course Code	CO PO CO Attainment 10 Scale	Rep	ort-20	17-20	18 El	ectron	Comi	munic	ation	Engine PO10	ering	PO12	PSC	1	PSO2
1	17MAT11	8.03	CO1 CO2 CO3 CO4 CO5 8.03	CO1 CO2 CO3 CO4 CO5 6.96												7302
2	17CHE12	3.37	CO1 CO2 CO3 CO4 CO5 2.25	CO1 CO3 CO4 CO5 2.25												
3	17PCD13	4.26	CO1 CO2 CO3 CO4 CO5 3.41	CO1 CO3 CO4 CO5 3.2	CO1 CO2 CO3 CO4 CO5 3.98											
4	17CED14	9.07	CO1 CO2 CO3 CO4 CO5		CO1 CO2 CO3 CO4 CO5		CO3 CO4 CO5 9.07						CO1 CO2 CO3 CO4 CO5			

SI. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10	PO11	PO12	PSQ1	PSO2
5	17ELN15	9.4	CO1 CO2 CO3 CO4 CO5 8.15	CO2 CO3 CO4 6.27										1012	1301	7302
6	17CPL16	9.54	CO1 CO2 CO3 CO4 CO5 8.27	CO2 CO3 CO4								CO1 CO3 CO5 8.48				
7	17CHEL17	10	CO1 CO2 CO3 CO4 CO5 6.67	CO1 CO2 CO3 CO4 CO5 6.67								CO3 CO4 CO5 6.67				
8	17CIV18	3.07						CO1 CO2 CO3 CO4 CO5 2.05	CO1 CO2 CO3 CO4 CO5 2.05	CO1 CO2 CO3 CO4 CO5 2.05				CO1 CO2 CO3 CO4 CO5 2.05		
9	17MAT21	7.43	CO1 CO2 CO3 CO4 CO5 7.43	CO1 CO2 CO3 CO4 CO5 6.44												
10	17PHY22	9.66	CO1 CO2 CO3 CO4 CO5 9.66	CO1 CO2 CO3 CO4 CO5 6.44												
11	17CIV23		CO1 CO2 CO3 CO4 CO5 8.67	CO1 CO2 CO3 CO4 CO5 8.67												
12	17EME24		CO1 CO2 CO3 CO4 CO5 9.91	CO2 CO3 6.61					CO1 CO4 6.61					CO1 CO2 CO3 CO4 CO5 6.61		
13	17ELE25		CO1 CO2 CO3 CO4 CO5 5.53	CO1 CO2 CO3 CO4 CO5 2.76										CO1 CO2 CO3 CO4 CO5 2.76		

SI. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
14	17WSL26	10	CO1 CO2 CO3 CO4 CO5 6.67		4						CO1 CO2 CO3 CO4 CO5 6.67	CO1 CO2 CO3 CO4 CO5 6.67				
15	17PHYL27	10	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5 6.67								CO1 CO2 CO3 CO4 CO5 6.67				
16	17MAT31	6.4	CO1 CO2 CO3 CO4 CO5 5.97	CO3 CO4 CO5 4.98											CO2 CO3 CO4 4.27	
17	17EC32	8.97	CO1 CO2 CO3 CO4 CO5 5.98	CO1 CO2 CO3 CO4 CO5 5.98			CO3 CO4 CO5 2.99								CO1 CO2 CO3 CO4 CO5 5.98	CO3 2.99
18	17EC33	4.77	CO1 CO2 CO3 CO4 CO5 3.18	CO1 CO2 CO3 CO4 CO5 3.18			CO1 CO4 CO5 3.18								CO1 CO2 CO3 CO4 CO5 4.77	CO1 CO3 CO4 3.18
19	17EC34	5.49	CO1 CO2 CO3 CO4 CO5 5.49	CO1 CO2 CO4 CO5 5.49	CO2 CO4 1.83		CO2 CO4 3.66				CO2 CO4 3.66			CO2 CO4 1.83	CO1 CO2 CO3 CO4 CO5 3.66	
20	17EC35	9.49	CO1 CO2 CO3 CO4 CO5 9.49	CO1 CO2 CO3 CO4 CO5 6.33			CO4 9.49							CO4 9.49	CO1 CO2 CO3 CO4 CO5 9.49	CO1 CO2 CO3 CO4 CO5 3.16
21	17EC835	7.43	CO1 CO2 CO3 CO4 CO5 4.95	CO1 CO2 CO3 CO4 CO5 4.95			CO5 4.95									CO1 CO2 CO3 CO4 CO5 4.95
22	17EC36	9.4	CO1 CO2 CO3 CO4 CO5 8.15	CO1 CO2 CO3 CO4 CO5 6.89											CO1 CO2 CO3 CO4 CO5 3.13	CO1 CO2 CO3 CO4 CO5 5.64

SI. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10	PO11	PO12	PSQ1	PSO2
23	17ECL37	8.29	CO1 CO2 CO3 CO4 CO5 8.29	CO1 CO2 CO3 CO4 CO5 8.29											CO1 CO2 CO3 CO4 CO5 8.29	CO1 CO2 CO3 CO4 CO5 8.29
24	17ECL38	10	CO1 CO2 CO4 CO5 10	CO1 CO2 CO5 6.67							CO1 CO2 CO4 CO5 10	CO3 6.67			CO1 CO2 CO3 CO4 CO5	CO3 3.33
25	17CPH39	0.76						CO1 CO2 CO3 CO4 CO5 0.76		CO1 CO2 CO3 CO4 CO5 0.76				CO1 CO2 CO3 CO4 CO5 0.76		
26	17MAT41	10	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5 8											CO1 CO2 CO3 CO4 9.17	CO3 CO4 CO5 7.78
27	17EC42	9.31	CO1 CO2 CO3 CO4 CO5 9.31	CO1 CO2 CO3 CO4 CO5 8.07			CO1 CO2 CO3 CO4 CO5 6.21							CO1 CO2 CO4 CO5 6.21	CO1 CO2 CO3 CO4 CO5 6.21	CO1 CO2 CO3 CO4 CO5 3.1
28	17EC43	2.93	CO1 CO2 CO3 CO4 CO5 2.93	CO1 CO2 CO3 CO4 CO5 2.93			CO2 CO3 CO4 2.93							CO2 CO3 CO4 2.93	CO1 CO2 CO3 CO4 CO5 2.93	CO1 CO2 CO3 CO4 CO5 0.98
29	17EC44	9.83	CO1 CO2 CO3 CO4 CO5 9.83	CO1 CO2 CO3 CO4 CO5 7.86	CO2 CO5 6.55	CO4 6.55									CO1 CO2 CO3 CO4 CO5 8.52	CO1 CO2 CO3 CO4 CO5 9.83
30	17EC744	5.07	CO1 CO2 CO3 CO4 CO5 5.07	CO1 CO2 CO3 CO4 CO5 5.07											CO1 CO2 CO3 CO4 CO5 3.38	CO1 CO2 CO3 CO4 CO5 5.07
31	17EC45	9.49	CO1 CO2 CO3 CO4 CO5 9.49	CO1 CO2 CO3 CO4 CO5 9.49			CO2 CO3 CO4 CO5 9.49				CO2 CO3 CO4 CO5 9.49			CO5 6.33	CO1 CO2 CO3 CO4 CO5 9.49	CO1 CO4 CO5 7.38

SI. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	P06	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
32	17EC46	8.76	CO1 CO2 CO3 CO4 CO5 5.84	CO1 CO2 CO3 CO4 CO5 6.42			CO2 CO3 CO4 CO5 8.76							CO1 CO4 CO5 5.84	CO1 CO2 CO3 CO4 CO5 7.01	CO3 CO4 CO5 7.79
33	17ECL47	8.57	CO1 CO2 CO3 CO4 CO5 8.57	CO1 CO2 CO3 CO5 8.57			CO1 CO2 CO3 CO5 8.57				CO1 CO2 8.57	CO3 CO5 8.57			CO1 CO2 CO3 CO4 CO5 7.43	CO1 CO2 CO5 5.71
34	17ECL48	4.4	CO1 CO2 CO3 CO4 CO5 3.52	CO1 CO2 CO3 CO4 CO5 4.4		CO1 CO2 CO3 CO4 CO5 4.4					CO1 CO2 CO3 CO4 CO5 4.4				CO1 CO2 CO3 4.4	CO1 CO2 CO4 CO5 4.4
35	17KK49	9.07										CO1 CO2 CO3 9.07		CO1 CO2 CO3 9.07		100 e
36	17ES51	4	CO5 1.33	CO1 CO2 CO5 3.11	CO1 CO2 CO5 3.56	CO3 CO4 CO5 1.78		CO3 0	CO3 0	CO3 CO4 CO5 3.11	CO1 CO2 CO3 CO4 CO5 3.2	CO2 CO4 CO5 4	CO4 CO5 4	CO3 CO4 CO5 4		
37	17EC751	7.43	CO1 CO2 CO3 CO4 CO5 5.94	CO2 CO3 CO4 CO5 5.57											CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5 6.93
38	17EC52	9.14	CO1 CO2 CO3 CO4 CO5 9.14		CO1 CO2 CO3 CO4 CO5 5.48		CO1 CO2 CO3 CO4 CO5 7.92					CO1 CO2 CO4 CO5 6.09			CO1 CO2 CO3 CO4 CO5 5.48	CO1 CO2 CO3 CO4 CO5 9.14
39	17EC53	10	CO1 CO2 CO4 CO5 10	CO2 CO3 CO4 CO5 8.33			CO1 CO3 CO4 CO5 10								CO1 CO2 CO3 CO4 CO5	CO3 CO4 CO5 6.67
40	17EC654	10	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5											CO4 6.67	CO1 CO2 CO3 CO4 CO5

SI. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSQ1	PSO2
41	17EC54	9.74	CO1 CO2 CO3 CO4 CO5 9.74	CO4 CO5											CO4 CO5 3.25	CO1 CO2 CO3 CO4 CO5 7.14
42	17EC555	3.57	CO1 CO2 CO3 CO4 CO5 3.57	CO1 CO2 CO3 CO4 CO5 3.57			CO2 2.38								CO1 CO2 CO3 CO4 CO5 3.57	CO3 3.57
43	17ECL57	7.54	CO1 CO2 CO3 CO4 CO5 7.54		CO1 CO2 CO3 CO4 CO5 4.52		CO1 CO2 CO3 CO4 CO5 7.54					CO1 CO2 CO3 CO4 CO5 6.03			CO1 CO2 CO3 CO4 CO5 7.54	CO1 CO2 CO3 CO4 CO5 7.54
44	17ECL58	9.31	CO1 CO2 CO3 CO4 CO5 9.31	CO1 CO2 CO3 CO5 9.31			CO1 CO2 CO3 CO5 9.31				CO1 CO2 9.31	CO3 CO5 9.31			CO1 CO2 CO3 CO4 CO5 8.07	CO1 CO2 CO3 CO5 6.21
45	17EC61	10	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO3 8.33	CO2 CO4 CO5 8.89									CO1 CO2 CO3 CO4 CO5 9.33	CO1 CO2 CO3 CO4 CO5
46	17EC562	2.67	CO1 CO2 CO3 CO4 CO5 2.67	CO1 CO2 CO3 CO4 CO5 2.67			CO1 CO2 CO3 CO4 CO5 1.78								CO1 CO2 CO3 CO4 CO5 1.78	
47	17EC62	10	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5			CO2 CO5 6.67	-							CO1 CO2 CO3 CO4 CO5	
48	17EC63	9.66	CO1 CO2 CO3 CO4 CO5 9.66	CO1 CO2 CO3 CO4 CO5 9.66			CO5 6.44							CO5 6.44	CO1 CO2 CO3 CO4 CO5 9.66	
49	17CS664	10		CO1 CO2 CO3 CO4 CO5	CO3 CO4 CO5 8.89		CO1 CO2 CO3 CO4 CO5 8.67								CO1 CO2 CO3 CO4 CO5 3.33	

SI. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10	PO11	PO12	PSQ1	PSO2
50	17EC64	10	CO1 CO2 CO3 CO4 CO5	CO3			CO1 CO2 CO3 CO5								CO2 CO3 CO4 4.44	CO1 CO2 CO3 CO4 CO5
51	17ECL67	9.14	CO1 CO2 CO3 CO4 CO5 9.14	CO1 CO2 CO3 CO5 9.14			CO1 CO2 CO3 CO5 9.14				CO1 CO2 9.14	CO3 CO5 9.14			CO1 CO2 CO3 CO4 CO5 7.92	CO1 CO2 CO3 CO4 CO5 7.92
52	17ECL68	4.11	CO1 CO2 CO3 CO4 CO5 4.11	CO1 CO2 CO3 CO5 4.11			CO1 CO2 CO3 CO5 4.11				CO1 CO2 4.11	CO3 CO5 4.11			CO1 CO2 CO3 CO4 CO5 3.56	CO1 CO2 CO3 CO4 CO5 3.56
53	17EC71	10	CO1 CO2 CO3 CO4 7.5	CO1 CO2 CO3 CO4 3.33			CO5 3.33	4								CO1 CO2 CO3 CO4 CO5
54	17EC72	4.43	CO1 CO2 CO3 CO4 CO5 4.13	CO1 CO2 CO3 CO4 CO5 2.66	CO1 CO2 CO3 CO4 CO5 2.66		CO1 CO2 CO3 CO4 CO5 4.43				CO1 CO2 CO3 CO4 CO5 2.95	CO1 CO2 CO3 CO4 CO5 4.43		CO1 CO2 CO3 CO4 CO5 4.43	CO1 2.95	CO1 CO2 CO3 CO4 CO5 4.43
55	17EC73	9.57	CO1 CO2 9.57	CO1 CO2 9.57	CO3 CO4 CO5 9.57	CO3 CO4 CO5 6.38	CO2 CO3 CO4 CO5 6.38								CO1 CO2 CO3 CO4 CO5 5.74	
56	17ECL76	10	CO1 CO2 CO3 CO4 CO5 9.33	CO1 CO2 CO3 CO4 CO5 8	CO1 CO2 CO3 CO4 CO5 8.67	CO1 CO2 CO3 CO4 CO5 7.33	CO1 CO2 10								CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5
57	17ECL77	10	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO5			CO1 CO2 CO3 CO5				CO1 CO2 10	CO3 CO5 10			CO1 CO2 CO3 CO4 CO5 8.67	
58	17ECP78	9.07	CO1 CO2 CO3 CO4 CO5 9.07													

SI. No.	Course Code	CO Attainment 10 Scale	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSQ1	PSO2
59	17EC81	10	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5											CO1 CO2 CO4 6.67	CO1 CO2 CO3 CO4 CO5
60	17EC82	10	CO1 CO2 CO3 CO4 CO5 8.67	CO2 CO3 CO4 CO5											CO1 CO2 CO3 CO4 CO5 8.67	CO1 CO2 CO3 CO4 CO5 9.33
61	17EC84	10		3-1			CO3 6.67	CO1 10	CO2 10	CO2 CO5 10	CO3 CO4 CO5	CO3 10	CO3 CO4 10	CO1 CO2 10	CO1 CO2 8.33	CO1 CO2 8.33
62	17ECP85	10	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5	CO1 CO2 CO3 CO4 CO5
63	17ECS86	10	CO2 10				CO2 CO4 10	CO1 CO3 CO5 7.78	CO1 CO3 CO5 7.78	CO1 CO3 CO5 7.78	CO1 CO2 CO3 10	CO2 CO3 CO4 10		CO2 CO3 CO4 CO5 9.17	CO3 CO4 CO5 3.33	CO3 CO4 CO5 3.33

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CANARA ENGINEERING COLLEGE

Benjanapadavu, Bantwal Taluk Mangalore – 574219



Electronics and Communication Engineering Department

CO-PO FEEDBACK ANALYSIS AND ACTION TAKEN REPORT

ACADEMIC YEAR 2026-2021

POs	Target Level	Attainment Level	Observations	Action Taken
		Bertolan in the	 Attained 4% higher than the target level Higher attainment level is because of good performance of students in SEE and CIE High contributing courses for attainment 	Action 1: Target level for AY 2018-19 will be increased Action 2: Continuous efforts are made to achieve
			17EC32, 17EC35, 17EC36, 17ECL37, 17ECL38, 17MAT41, 17EC42, 17EC44, 17EC45, 17EC46, 17ECL47, 17EC52, 17EC53, 17EC654, 17EC54, 17ECL57, 17ECL58, 17EC61, 17EC62, 17EC63, 17EC64, 17ECL67, 17EC71, 17EC73, 17ECL76, 17ECL77, 17ECP78, 17EC81, 17EC82, 17EC84, 17ECP85 and 17ECS86 Student feedback is low Attainment level is good	the new set target level

PO2	6.4	7.06	 Attained 10.31% higher than the target level Higher attainment level is because of good performance of students in SEE and CIE High contributing courses for attainment 17EC32, 17EC35, 17EC36, 17ECL37, 17ECL38, 17MAT41, 17EC42, 17EC44, 17EC45, 17EC46, 17ECL47, 17EC53, 17EC654, 17EC54, 17EC54, 17EC54, 17EC61, 17EC62, 17EC63, 17CS664, 17EC64, 17ECL67, 17EC71, 17EC73, 17ECL76, 17ECL77, 17ECP78, 17EC81, 17EC82, 17EC84, 17ECP85 and 17ECS86 Student feedback is low Attainment level is good 	Action 2: Continuous efforts are made to achieve the new set target level
PO3: Designment of PO3	eeds with approp	priate considera	design solutions for complex engineering problems and the tion for the public health and safety, and the cultural, so	ocietal, and environmental considerations.
PO3	6.79	6.59	 Shortfall of 2.94% in the attainment level Lower attainment is due to below average performance in VTU exam in the courses 17EC34, 17ES51, 17EC52, 17ECL57 and 17EC72 Student feedback is low Attainment level is satisfactory 	Action 1: Design-based problems by using more analogies with reference to the Laboratory course 17ECL38 were initiated to strengthen the CO ir 17EC34 and to improve CO attainment of 17EC34 more MOORE and MEALY Design problems were explained in class Action 2: To attain outcome of course 17ES51 ir topics on management and planning, organizing

appreciated well
To attain outcome topics on ethics in business and family business and entrepreneurship and ideation setting up SSI and institutes to seek technical/ financial support are to be explained in more detail
To attain outcome project management and project design are to be explained in detail
Action 3: More problems of different types on various topics were solved to strengthen the CO in 17EC52
To make students to have hold on the subjects and topics, initially, very easy problems were solved and gradually problems were made more tougher and tougher
Tried to convince topics by visually explaining how various signals using MATLAB
More and more problems were taken on filter design
Action 4: Tutorial classes were conducted to strengthen the CO in 17EC52, and additional experiments were conducted to improve the attainment of CO in 17ECL57
Every code is explained line by line
Theoretical concept is explained before taking up every experiment

				Action 5: To attain more higher outcome in 17EC72, students will be given with more practical examples To attain more higher outcome students will be given more assignments to practice derivation and problems
PO4: Cond and interpre	uct investigation tation of data, a	ns of complex print nd synthesis of the	roblems: Use research-based knowledge and research in information to provide valid conclusions.	n methods including design of experiments, analysis
PO4	7.3	6.91	 Shortfall of 5.34% in the attainment level Lower attainment is due to below average performance in VTU exam in the courses 17EC44, 17ECL48 and 17ES51 Student feedback is low Attainment level is satisfactory 	Action 1: Design-based problems by using more analogies with reference to the Laboratory course 17ECL48 were initiated to strengthen the CO in 17EC44 Action 2: To attain outcome of course 17ES51 in topics on management and planning, organizing, staffing and directing activities in an organization are is to be explained in much better detail and made to be appreciated well To attain outcome topics on ethics in business and family business and entrepreneurship and ideation setting up SSI and institutes to seek technical/ financial support are to be explained in more detail To attain outcome project management and project design are to be explained in detail

PO5	6.57	7.02	 Attained 6.84% higher than the target level Higher attainment level is because of good performance of students in SEE and CIE High contributing courses for attainment 17EC32, 17EC35, 17ECL37, 17EC42, 17EC45, 17EC46, 17ECL47, 17EC52, 17EC53, 17ECL57, 17ECL58, 17EC62, 17EC63, 17CS664, 17EC64, 17ECL67, 17EC71, 17EC73, 17ECL76, 17ECL77, 17ECP78, 17EC84, 17ECP85 and 17ECS86 Attainment level is good 	Action 1: Target level for AY 2018-19 will be increased Action 2: Continuous efforts are made to achieve the new set target level
PO6	9.17	6.58	 soning informed by the contextual knowledge to assess the professional engineering practice. Shortfall of 28.24% in the attainment level Lower attainment is due to below average performance in VTU exam in the courses 	Action 1: To attain outcome of course 17ES51 in topics on management and planning, organizing,
			17CPH39, 17ES51 and 17ECP78 • Attainment level is satisfactory	staffing and directing activities in an organization are is to be explained in much better detail and made to be appreciated well
				To attain outcome topics on ethics in business and family business and entrepreneurship and ideation setting up SSI and institutes to seek technical/ financial support are to be explained in more detail
				To attain outcome project management and project

PO7	9.36	8.04	 Shortfall of 14.10% in the attainment level Lower attainment is due to below average performance in VTU exam in the courses 17ES51, 17ECP78 and 17ECS86 Attainment level is very good 	Action 1: To attain outcome of course 17ES51 in topics on management and planning, organizing staffing and directing activities in an organization are is to be explained in much better detail and made to be appreciated well To attain outcome topics on ethics in business and family business and entrepreneurship and ideation setting up SSI and institutes to seek technical/ financial support are to be explained in more detail To attain outcome project management and project
O8: Ethics	s: Apply ethical	principles and	commit to professional ethics and responsibilities and n	design are to be explained in detail
PO8	8.84	6.62	 Shortfall of 25.11% in the attainment level Lower attainment is due to below average performance in VTU exam in the courses 17CPH39, 17ES51 and 17ECS86 Attainment level is satisfactory 	Action 1: To attain outcome of course 17ES51 in topics on management and planning, organizing, staffing and directing activities in an organization are is to be explained in much better detail and made to be appreciated well
				To attain outcome topics on ethics in business and family business and entrepreneurship and ideation setting up SSI and institutes to seek technical/ financial support are to be explained in more detail

				To attain outcome project management and project design are to be explained in detail Action 2: Conduction of sessional in Theory/Labs
				in conformance to strict and uniform practices taking care to note deviations from ethical practices under the review of the disciplinary committee
				Action 3: Students need to be made aware of Lapses/misbehavior/unethical practices by an
				interaction after which they acknowledge it openly and apologize for it Action 4: Students are encouraged to take a serious
				note of giving due credence to original contributors in their thesis in Projects/seminar
				Action 5: College calendar makes note of ethical practices for a student which is further crystallized in the college prayer
PO9: Indiv	vidual and team	work: Function	effectively as an individual, and as a member or leader	in diverse teams, and in multidisciplinary settings.
PO9	7.55	7.07	 Shortfall of 6.35% in the attainment level Lower attainment is due to below average performance in VTU exam in the courses 17EC34, 17ECL48, 17ES51, 17ECL68 and 17EC72 	Action 1: Design-based problems by using more analogies with reference to the Laboratory course 17ECL38 were initiated to strengthen the CO in 17EC34
			Attainment level is good	Action 2: To improve attainment, Mini projects

and major projects are to be conducted
Action 3: Design-based problems by using more
analogies with reference to the Laboratory course
17ECL48 were initiated to strengthen the CO in
17EC44
Action 4: To attain outcome of course 17ES51 in topics on management and planning, organizing, staffing and directing activities in an organization are is to be explained in much better detail and made to be appreciated well
To attain outcome topics on ethics in business and family business and entrepreneurship and ideation setting up SSI and institutes to seek technical/ financial support are to be explained in more detail
To attain outcome project management and project design are to be explained in detail
Action 5: To attain more higher outcome in 17EC72, students will be given with more practical examples
To attain more higher outcome students will be given more assignments to practice derivation and problems

PO10	7.17		Action 1: Design-based problems by using mo
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				Action 4: To improve attainment of 17ECL68, concepts related to Switches, Routers are to be explained with lectures/YouTube videos Action 5: To attain more higher outcome in 17EC72, students will be given with more practical examples
				To attain more higher outcome students will be given more assignments to practice derivation and problems
				Action 6: To strengthen CO, advised to concentrate more on Report writing for the activities – Project work, Seminars and Industrial Training
			Demonstrate knowledge and understanding of the engin in a team, to manage projects and in multidisciplinary	
to one's ow	n work, as a me	ember and leader	 in a team, to manage projects and in multidisciplinary Shortfall of 6.93% in the attainment level Lower attainment is due to below average performance in VTU exam in the course 17ES51 	environments. Action 1: To attain outcome of course 17ES51 in topics on management and planning, organizing, staffing and directing activities in an organization are is to be explained in much better detail and

PO12: Life context of to	long learning:	Recognize the ange.	need for and have the preparation and ability to engage	design are to be explained in detail Action 2: To strengthen CO, advised to concentrat more on Managing the Project works, Mini Project and Activities conducted under Professional society in independent and life-long learning in the broades
PO12	6.04	6.12	 Attained 1.32% higher than the target level Higher attainment level is because of good performance of students in SEE and CIE High contributing courses for attainment 17EC35, 17EC42, 17EC45, 17EC46, 17ECP78, 17EC84, 17ECP85 and 17ECS86 Attainment level is satisfactory 	Action 1: To strengthen CO, advised to concentrate more on Project work, Mini Projects and Seminars Action 2: Target level for AY 2018-19 will be increased Action 3: Continuous efforts are made to achieve the new set target level
PSOI	6.81	6.2	 Shortfall of 8.95% in the attainment level Lower attainment is due to below average performance in VTU exam in the courses 17MAT31, 17EC32, 17EC33, 17EC34, 17EC36, 17EC42, 17EC43, 17EC744, 17ECL48, 17EC751, 17EC52, 17EC654, 17EC54, 17EC54, 17EC555, 17EC562, 17CS664, 17EC64, 17ECL68, 17EC72, 17EC73, 17EC81 and 17ECS86 Attainment level is satisfactory ills to solve managerial and technical issues. 	Action 1: To improve attainment, conduction of more Technical activities and to Emphasize of Mini Projects and Projects were initiated

PSO2	6.81	6.2	• Shortfall of 8.95% in the attainment level Action 1: To improve attainment, conduction of
	The same of		• Lower attainment is due to below average more Technical activities and to Emphasize on
The state of			performance in VTU exam in the courses Mini Projects and Projects were initiated
toro sen st	HOST OF THE		17EC32, 17EC33, 17EC35, 17EC835,
			17EC36, 17ECL38, 17EC42, 17EC43,
			17EC744, 17ECL47, 17ECL48, 17EC751,
			17EC654, 17EC53, 17EC555, 17ECL58,
			17EC562, 17CS664, 17EC64, 17ECL68,
			17EC72 and 17ECS86
			Attainment level is satisfactory

Signature of HOD

Signature of Principal