



Electrical and Electronics Engineering

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution

S. No.	Code	SEM	Course Code	Couse Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	C201		20MT C07	Applied Mathematics	2.25	2.31	2.14	1.78		1.60						1.18	1.78	1.96	1.78
2	C202		20CS C06	Basic Data Structures	1.72	1.55	0.86												
3	C203		20EE C03	Electrical Circuit Analysis	2.32	2.16	0.83	1.66										2.49	
4	C204	III	20EE C04	Analog Electronic Circuits	1.92	1.76	1.76	0.96	1.60								1.28	1.76	1.44
5	C205	Ш	20EE C05	Electrical Measurements and Instrumentation	2.04	1.87	1.87	1.02	1.70								1.36	1.87	1.53
6	C206	Ш	20EE C06	Signals & Systems	1.65	1.78	1.96	1.78	1.49									1.78	
7	C207	Ш	20CE M01	Environmental Science	1.25	1.13	0.88	0.63	0.38		0.13				0.25	0.50	1.88	1.88	1.00
8	C208	III	20EEC07	Analog Electronic Circuits Lab	1.38	1.69	1.53	0.92	1.53								1.23	1.69	1.53
9	C209	Ш	20EEC08	Electrical Circuits and Measurements Lab	1.74	1.74	1.74	0.87								0.87	1.74	2.18	1.31
10	C210		20CSC07	Basics of Data Structures lab	1.51	1.51	1.51	0.76											
11	C211	III	CORE	MOOCs/Training/Internship	1.20	2.10	2.10	2.70	2.70	2.25	2.48	0.90	1.80	2.70	2.70	1.50	2.70	2.70	2.70
12	C212	IV	20EEC09	Digital Electronics	1.51	1.81	1.66	1.21	0.75								0.75	1.21	1.00
13	C213	IV	20EEC10	Electrical Machines-I	1.85	1.59	1.19	0.79	0.93				0.79			1.46		1.98	1.32
14	C214	IV	20EEC11	Electromagnetic Fields	1.92	1.28	1.28	1.28	0.64	0.64	0.64		0.64	0.64		0.64	0.64	1.28	
15	C215	IV	20EEC12	Power Electronics	2.13	1.37	1.22	1.67	0.91	1.52	0.95		1.06	0.76	1.14	1.27		1.52	1.52
16	C216	IV	20EEC13	Power Systems-I	1.85	1.38	2.00	1.69	1.69	1.54	2.00		1.23	0.77	1.54	1.85	1.92	1.73	1.54
17	C217	IV	20EGM03	Universal Human Values-II			1.00			1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00
18	C218	IV	20EGM02	Indian Traditional Knowledge	2.68	1.36	0.97	1.36	1.17	0.97	1.17	1.94	0.97	1.56	1.36	2.14	1.36	1.17	1.56
19	C219	IV	20EEC14	Digital Electronics Lab	1.40	1.86	1.71	1.24	0.78								0.78	1.24	1.04
20	C220	IV	20EEC15	Electrical Machines-I Lab	1.90	2.07	0.69	1.38											2.07
21	C221	IV	20EEC16	Power Electronics Lab	2.63	1.75	0.88	1.46	0.88		0.88		1.61	0.88	0.88	1.46	0.88	2.05	1.75

22	C301	V	20EEC17	Electrical Machines-II	1.25	1.13	0.88	0.63	0.38		0.13				0.25	0.50	1.88	1.88	1.00
23	C302	V	20EEC18	Power Systems-II	1.86		1.71	1.55	0.93	1.40								0.93	0.93
24	C303	V	20EEC19	Microcontrollers and Applications	1.30	1.73	1.58	1.15	0.72								0.72	1.15	0.96
25	C304	V	20EEC20	Control Systems	1.99	1.88	1.66	1.44	1.66								1.66	1.99	1.55
26	C305	V	20EEE11	Electrical Distribution Systems	2.56	1.85	0.78												0.78
27	C306	V	20EEE13	Simulation Techniques in Electrical Engineering	2.71	2.71	1.63	1.45	2.17								1.45	1.63	
28	C307	V	20EEE21	High Voltage Engineering	1.58		0.88	1.76					0.88	0.88	1.76	2.64	0.88	1.76	2.64
29	C308	v	20EEE24	Renewable Energy Technologies	1.76	1.06	1.58	1.06	1.06				0.88	0.88	0.88	0.88	0.88	0.88	0.88
30	C309	V	20ADO01	Introduction to Python Programming	2.78	1.07	1.60	1.07	1.07				0.89	0.89	0.89	0.89	0.89	0.89	0.89
31	C310	V	20ITO01	Object Oriented Programming using JAVA	2.64	2.64	1.76	1.41	2.46		1.41			1.41		1.23	2.64	2.64	2.28
32	C311	V	20MEO04	Principles of Entrepreneurship	2.75	2.70	1.80	1.62	2.70		2.50	2.67	2.33		2.35		1.62	1.98	
33	C312	V	20EEC21	Control Systems Lab	1.96	1.31	1.83	0.65	1.70	0.65	0.65		1.18	0.65	0.78			1.31	1.31
34	C313	V	20EEC22	Electrical Machines- II Lab	1.70	1.70	1.44	1.96								0.65	1.70	1.74	1.96
35	C314	V	20EEC23	Microcontrollers and Applications Lab	1.22	1.62	1.49	1.08	0.68								0.68	1.08	0.90
36	C315	V	20EGCO3	Employability Skills	1.44	1.92	1.76	1.28	0.80						1.28	1.28	0.80	0.80	0.80
37	C316	v	CORE	Industrial Internship/ Rural Internship	1.18	2.07	2.07	2.67	2.67	2.23	2.45	0.89	1.78	2.67	2.67	1.49	2.67	2.67	2.67
38	C317	VI	20EEC18	Power System Protection	1.45	1.45	0.73	1.82		0.73	0.73	0.73				0.73		1.45	1.45
39	C318	VI	20EEC25	Power System Operation and Control	1.49	1.76	1.80	1.76	0.81							0.68	2.03	1.62	1.89
40	C319	VI	20EEC26	Electrical Drives	1.41	1.52	0.94	0.94	0.59	0.59	0.73	0.59				1.60	0.73	1.76	1.17
41	C320	VI	20EEC27	Internet of Things for Electrical Engineering	2.70	2.70	1.80	1.62	2.70								1.62	1.98	
42	C321	VI	20EGM01	Indian Constitution & Fundamental Principles		1.05	1.05	1.40		1.75	0.98	1.05	0.70					0.88	0.88
43	C322	VI	20EEE33	Utilization of Electrical Energy	2.38	1.78	1.18	1.11		1.49						0.89		0.89	1.49

44	C323	VI	20EEE34	Power Quality Engineering	2.08	1.60	1.12	1.60	2.08				2.08	1.76	2.40	2.40		2.40	1.60
45	C324	VI	20EEC28	Power Systems Lab	1.96	1.31	1.83	0.65	1.70	0.65	0.65		1.18	0.65	0.78			1.31	1.31
46	C325	VI	20EEC29	Electrical Simulation Lab	1.86	1.11	1.24	0.62	0.62	0.74				0.62		0.62	1.24		0.62
47	C326	VI	20EEC30	Electrical Drives Lab	2.28	1.24	1.65	1.55	1.44	0.76			1.70	1.31		1.83	2.28	1.97	1.97
48	C327	VI	20EEC31	IoT Lab	2.70	2.34	2.70	2.70	2.52	1.62			2.70	2.70	0.90	2.70	2.52	1.62	
49	C401	VII	20MBC01	Engineering Economics & Accountancy	2.59	1.81	1.51	1.20	0.75	0.75	1.51						0.75		1.51
50	C402	VII	20 EE C32	Project –Part-1	2.72	2.33	1.94	2.67	2.13	1.94		2.43	2.91	2.91	2.13	2.52	1.94	1.94	1.94
51	C403	VII	20EGM04	Gender Sensitization			0.66			1.45	1.32	1.06	1.19	0.66	0.66	0.66	0.66	1.19	
52	C404	VII	20EEE43	Al Techniques in Electrical Engineering	2.22	1.63	1.33	1.33	1.92	1.48	1.48		1.78		1.78	1.33	2.07		1.92
53	C405	VII	20CSO02	Introduction to Web Technology	2.18	1.56	1.56		0.78	1.40	0.93						0.78	1.71	2.02
54	C406	VII	20CEO02	Disaster Risk Reduction and Management	2.62	1.26	1.62	1.62	1.98	1.98	1.62	1.26	1.44	1.26	1.44	0.90	0.90	0.90	0.90
55	C407	VII	CORE	INTERNSHIP	1.24	2.17	2.17	2.79	2.79	2.33	2.56	0.93	1.86	2.79	2.79	1.55	2.79	2.79	2.79
56	C408	VIII	20EEE55	Electric Hybrid Vehicles	2.78	1.06	0.85	0.85	1.70	1.70	2.34	0.85	1.42	1.42	1.70	1.49	2.13	2.55	1.53
57	C409	VIII	20EEE56	Embedded System Design	1.57	2.26	1.91	1.91	0.87								0.87	1.39	1.16
58	C410	VIII	20CS009	Fundamentals of DBMS	1.71	1.86	2.00	1.07		1.71		0.86							
59	C411	VIII	20CHO02	Industrial Pollution Control	2.78	1.42	1.42	1.25	0.89	1.42	1.96	0.89	0.89	0.89	0.89	1.78	2.14	2.31	
60	C412	VIII	20EEC33	Technical Seminar	2.67	2.14	1.42	1.96	1.78	1.60	1.42	1.96	2.14	2.31	1.78	1.78			
61	C413	VIII	20EEC34	Project Part-2	2.49	2.67	2.49	2.14	2.14	1.60	1.60	2.14	2.31	2.49	2.14	1.78		_	
				Direct PO Attainment (Avg.)	1.99	1.75	1.49	1.44	1.44	1.38	1.34	1.30	1.48	1.44	1.45	1.35	1.48	1.68	1.48

HEAD Dept. of EEE, CBIT (A) Dr. M. Bałasubbareddy Gandipet, Hyderabad - 75 HOD/EEE, CBIT

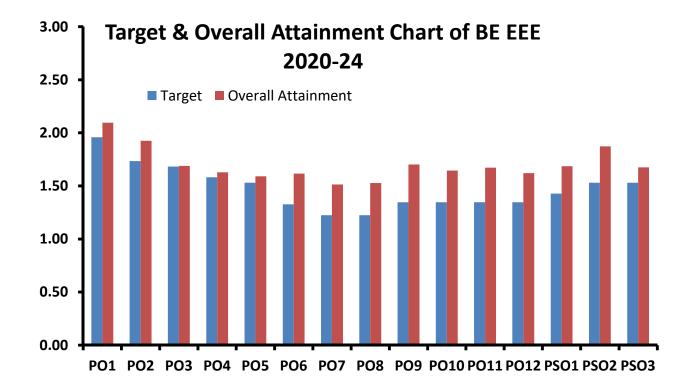
	PO PSO Indirect Attainment (2020-24)														
PO & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Alumni	2.21	2.60	2.78	2.21	2.01	2.84	2.24	2.42	2.76	2.25	2.52	2.71	2.61	2.71	2.29
Program Exit	2.84	2.68	2.21	2.39	2.30	2.27	2.16	2.37	2.35	2.57	2.56	2.57	2.40	2.47	2.43
Parent	2.50	2.65	2.40	2.57	2.26	2.53	2.22	2.50	2.71	2.56	2.62	2.81	2.50	2.79	2.59
Employer	2.7	2.55	2.48	2.18	2.51	2.55	1.98	2.57	2.81	2.63	2.67	2.6	2.28	2.58	2.45
Average	2.52	2.64	2.46	2.39	2.19	2.55	2.21	2.43	2.60	2.46	2.57	2.69	2.50	2.66	2.44

Over all Attainment															
PO & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
PO Direct Attainment	1.99	1.75	1.49	1.44	1.44	1.38	1.34	1.30	1.48	1.44	1.45	1.35	1.48	1.68	1.48
PO Indirect Attainment	2.52	2.64	2.46	2.39	2.19	2.55	2.21	2.43	2.60	2.46	2.57	2.69	2.50	2.66	2.44
Overall Attainment	2.10	1.93	1.69	1.63	1.59	1.62	1.51	1.53	1.70	1.64	1.67	1.62	1.69	1.87	1.67

M. Batasubbareddy

HEAD HOD/EEE, CBIT Dept. of EEE, CBIT (A) Gandipet, Hyderabad - 75

PO & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Target	1.92	1.7	1.65	1.55	1.5	1.3	1.2	1.2	1.32	1.32	1.32	1.32	1.4	1.5	1.5
Overall Attainment	2.01	1.79	1.69	1.63	1.54	1.47	1.32	1.40	1.48	1.42	1.40	1.40	1.68	1.87	1.71



 $\boldsymbol{<}$ m Dr. M. Balasubbareddy HEAD HOD/EEE, CBIT Dept. of EEE, CBIT (A) Gandipet, Hyderabad - 75

Action Taken:

The areas of weaknesses in the program are known based on the analysis of evaluation of COs, POs & PSOs attainment levels. Measures identified and implemented to improve POs & PSOs attainment levels for the next assessment year including curriculum intervention, pedagogical initiatives, support system improvements, etc. are given in the table. The set target for each PO is 75% of the maximum articulation value of corresponding PO of all the courses.

POs	Target	Attainment	Observations							
PO1. Engineer	level	level	edge of mathematics, science, engineering fundamentals,							
-			n of complex engineering problems.							
-										
PO1	1.96	2.01	Observation 1 : The set target is achieved							
	-		etings, it is decided to increase the target value by 2%. To							
	-	following action								
	-	like simulations,	online assessments, and digital teaching aids to improve							
 learning outcomes. Action 2: Make high-quality video lectures accessible through the Learning Management System for self-paced learning. Action 3: Introduce assignments focusing on analysis, evaluation, and creation to foster advanced 										
problem-solvir		ents locusing of	in analysis, evaluation, and creation to roster advanced							
Action 4: Upda	ate the syllabus	to include progr	am-specific applications in mathematics and basic sciences							
for practical re	levance.									
Action 5: Incor	porate real-wor	ld problem state	ments and interdisciplinary projects to enhance application-							
oriented learni	ing.									
PO2 : Problem analysis: Identify formulae, research literature and solve complex engineering problems										
reaching subst	antiated conclus	sions using first pr	rinciples of mathematics and engineering sciences.							
			Observation 1 90% of the set target is achieved							
			Observation 2 Courses contributing to low score are							
202	4 70	4.00	20CS C06, 20CEM01, 20EEC10, 20EEC12, 20EEC13,							
PO2	1.73	1.93	20EGM02, 20EEC17, 20EEE24, 20ADO01, 20EEC21,							
			20EGM01, 20EEC29, 20EEC30, 20CEO02, 20EEE55							
			Above courses are of analytical type							
After discussin	ng in the CEG an	nd PAQIC /PAC m	neetings, it is decided to continue with the same target as							
there is a scop	e for further im	provement. To re	ach this target value the following actions are planned.							
	•	•	rogram-specific applications and a freshman Engineerir							
•		oblem-solving ex	•							
	oduce assignmei	nts focusing on h	igher levels of Bloom's Taxonomy (analysis, evaluation, ar							
creation).	rnorate analytic	al course-and pro	pjects into Continuous Internal Evaluation (CIE) for practica							
application of		a course-end pro								
••	•	rnshins for hands	s-on learning and exposure to cutting-edge technologies.							
	-	-	hen practical problem-solving foundations.							
		•	hrough open-ended experiments in lab courses.							
Action 7: Host Action 8: Leve	industry expert	sessions and wor such as simulatic	rough open-ended experiments in lab courses. kshops to enhance real-world problem analysis skills. ons, modeling software, and online platforms for enhance							

Dr. M. Batasubbareddy HOD/EEE, CBIT

Design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and									
	l consideration		Observation The set torget is achieved						
PO3	1.68	1.69	Observation :The set target is achieved						
			eetings, it is decided to increase the target value by 2%.						
	-	e following action	-						
			tasks to design electrical and electronic systems addressir and renewable energy integration.						
Action 2: Incl the curriculur	ude topics on o n. Conduct proj	energy-efficient d ects focusing on s	esigns, smart grid technologies, and waste minimization sustainable energy solutions, such as solar-powered device						
or electric vehicle components. Action 3: Organize workshops on designing safety-critical systems, such as power distribution networks and medical electronics. Encourage internships in industries like renewable energy, electric mobility, and automation to provide hands-on experience.									
Action 4: Pro Simulink, or I	vide training or PSCAD) to desi	CAD tools (e.g.,) gn and analyze e	AutoCAD Electrical) and simulation software (e.g., MATLAI lectrical systems. Use tools for PCB design and electron n design principles.						
prototyping to integrate practical learning with design principles. Action 5: Design interdisciplinary projects that integrate concepts of control systems, power electronics, embedded systems, and IoT to create smarter and safer designs. Encourage applications in areas like healthcare (e.g., patient monitoring systems) or agriculture (e.g., automated irrigation systems). Action 6: Encourage students to design systems for rural electrification, low-cost sustainable lighting									
students impl	ement simple b	out impactful desig	by renewable energy. Conduct outreach programs when gns for societal benefit. ems :						
PO4 : Conduct investigations of complex problems : Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.									
PO4	1.58	1.63	Observation : The set target is achieved						
	-		eetings, it is decided to increase the target value by 2%.						
		ne following actior and experiments in	is are planned n the lab courses such that student can develop an ability t						
Action 2: To), so that stu	eriment's demor	nstration videos available through Learning Managemen stand the concept better and demonstrate well in th						
Action 3: Pro internal evalu	posed to intro ation (CIE) in co	ore engineering lal							
		earning to studen	tries to establish industry-based labs and activities ts.						
PO5: Modern	tool usage :								
			niques, resources, and modern engineering and IT too						
including prediction and modeling to complex engineering activities with an understanding of the									
limitations. (High correlation with the CAD, MATLAB, LABview etc.									
PO5	1.53	1.59	Observation : The set target is achieved						
After discussin	ng in the CEG ar	nd PAQIC /PAC me	etings, it is decided to increase the target value by 2%. To						
reach the new	target value th	ne following action	ns are planned.						

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Action 3: To replace conventional method of teaching Engineering graphics with Computer aided drafting tool

Action 4: To encourage the usage of programme specific simulation tools in the mini and major project

PO6 : The engineer and society:

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO6	1.33	1.62	Observation : The set target is achieved
After discussin	g in the CEG and	d PAQIC /PAC me	etings, it is decided to increase the target value by 2%. To

reach the new target value the following actions are planned.

Action 1:To introduce more number of professional electives to address the regulations, codes and standards relevant to the electrical and electronics engineering discipline

Action 2: To encourage the students to actively participate in activities organized by various clubs of the institute like

- Energy conservation week and Swachhta Pakhwada Energy savers' club
- Health camps- NSS
- Rural development Engineers without borders
- Webinar -IEEE PES
- Webinar for Students on "Popular cultural practices of Telangana Harayana for healthy and enriching life and life style"- Ek Bharath Sreshtha Bharath (EBSB)

Action 3: To introduce rural internship in the curriculum.

Action 4: To make more activities in courses related to Community Engagement.

PO7: Environment and sustainability

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO7	1.22	1.51	Observation : The set target is achieved						
After discussing in the CEG and PAQIC /PAC meetings, it is decided to increase the target value by 2%. To									

reach the new target value the following actions are planned.

Action 1: To introduce the mandatory courses which address the management techniques for sustainable development

Action 2: To encourage the students to participate in social activity related to environment like

- "Tree plantation in the campus and nearby villages" as part of the activities of NSS under the new initiative "Haritha Haram" by State government.
- Awareness camp to nearby villages to promote energy conservation and alternative energy usage and to introduce energy efficient appliances like DC fans, LED bulbs, pumps etc.
- To encourage the students to actively participate in product exhibitions related to environment and sustainable development
- To encourage the students to take up mini and major projects through which relationship between technical, socio-economic and environmental dimensions of sustainability can be better understood.

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Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO8	1.22	1.53	Observation: The set target is achieved							
After discussir	After discussing in the CEG and PAQIC /PAC meetings, it is decided to increase the target value by 2%. To									
reach the new	target value the	e following action	s are planned.							
Action 1: To m	Action 1: To make students to understand importance of course on ethics titled "UHV-2, Understanding of									
Harmony" sug	Harmony" suggested by UGC.									
Action 2: It is	Action 2: It is proposed to give due weightage in the rubrics prepared to evaluate to ethical behavior and									
practices in th	practices in the lab and project courses.									

Action 3: To train more number of faculty (20:1 student faculty ratio) on UHV through AICTE FDP so that faculty can handle the universal human values -1 during the student induction programme.

Action 4: To introduce the Energy Satva Club with a focus on increasing awareness and activities on ethics. PO9 : Individual and team work Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO9	1.35	1.70	Observation 1: The set target is achieved.
			Observation 2: There is a need for increase in target and
			plan of action towards the same

After discussing in the CEG and PAQIC /PAC meetings, it is decided to increase the target value by 2%. To reach the new target value the following actions are planned.

This program outcome regarding individual and team work, comes under professional skills. Though the employers consider these professional skills and higher abilities as important and few students may perform weak.

After discussing in the CEG and PAQIC /PAC meetings, the committee opined that professional skills / outcome may not result simply from participation in a particular class or set of classes. Rather, these outcomes are more often acquired or influenced through sources both in and outside the classroom. It is decided to increase the target value by 5% and the following actions are planned to reach the new target value.

Action 1: To introduce more topics related to these skills in the soft skills course offered.

Action 2: To introduce activity-based courses like community engagement, engineering exploration in the first-year level itself, so that the spirit of individual and team work can be inculcated better.

Action 3: To encourage students to work as teams for activities conducted by various clubs of CBIT during Sudhee & Sruthi, which is a "Techno-Sport-Cultural" fest.

Action 4: To encourage the students to actively participate in activities organized by various clubs of the institute like

- Energy conservation week and Swachhta Pakhwada 2020 Energy savers' club
- Health camps- NSS
- Rural development Engineers Without Borders (EWB)
- Webinars, Industry tours and other professional activities-IEEE PES

Action 5: It is proposed to give due weightage in the rubrics prepared to evaluate CIE of laboratory courses, mini projects and major projects

Action 6: To encourage students to take part in project exhibition hackathon, MSME projects and similar activities

Action 7: To motivate students to work with multidisciplinary aspects in industry projects carried out as a part of institute activity

PO10 : Communication: Communicate effectively on complex engineering activities with the engineering



community an	d with society a	t large, such as, k	peing able to comprehend and write effective reports and
			ations, and give and receive clear instructions.
PO10	1.35	1.64	Observation : The set target is achieved
		_	neetings, it is decided to increase the target value by 2%. To
	-	e following action	
	-	-	hese skills in the soft skills course offered.
			te the CIE of mini projects, seminars and major projects so
			ator related to ability of comprehending (literature review),
			Il communication (presentation skills) and summarization
(conclusion)			
PO11: Project	management a	nd finance	
Demonstrate	nowledge and	understanding of	the engineering and management principles and apply
these to one's	own work, as a	member and lead	der in a team, to manage projects and in multidisciplinary
PO11	1.35	1.67	Observation: The set target is achieved
After discussin	g in the CEG ar	d PAQIC /PAC m	neetings, it is decided to increase the target value by 2%. To
reach the new	target value the	e following action	ns are planned.
Action 1: To in	troduce more s	ubjects to addres	s management principles
Action 2: To i	ntroduce fresh	men course so t	hat student will be able to describe various economic and
financial costs	/benefits of an	engineering acti	ivity and analyze and select the most appropriate proposal
based on econ	omic and finand	cial consideration	IS
	-		t their IDEAS at MSME Incubation center of CBIT
			k on the hardware/product-based projects such that student
	to prepare bu	dget proposal ar	nd submit the same to the institute and other agencies for
funding.			
PO12: Life-lon	g learning:		
Recognize the	need for, and	have the prepa	ration and ability to engage in independent and life-long
		xt of technologic	
PO12	1.35	1.62	Observation: The set target is achieved
After discussin	g in the CEG an	d PAQIC /PAC me	eetings, it is decided to increase the target value by 2%. To
	-	e following action	
	-	-	o the courses pursued via MOOCs (e.g. Swayam NPTEL,
Coursera, MSN			
		nships during ev	very academic year break to enable students to pursue
independent p	projects in an ind	lustrial setting w	ith mentorship and prepare them for lifelong learning.
Action 3: To fa	cilitate the hone	ors and additiona	al minor engineering degrees for the students who can
acquire more 2	20 credits throu	gh MOOCs cours	es
			omote students participation in Co- curricular and extra-
		•	rest towards lifelong learning
			ke part in curriculum revision, delivery of lectures, project
-			nt of laboratories.
	-	nts to carry out p	rojects in emerging areas and their applications to electrical
& electronics e	engineering		

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			to meet the distinct need of Industry & Society, by utilizing Technologies such as AI, Block chain & IT tools.
PSO1	1.43	1.69	Observation: The set target is achieved
reach the new Action 1: To interdisciplina Action 2: To exposure. Action 3: To f Action 4: To f	target value the introduce ele ry topics. establish AI an facilitate internsh train students in	following action actives on AI, Blue ad Blockchain lak nips, industry pro tools like MATLA	etings, it is decided to increase the target value by 2%. To s are planned. ockchain, and IT tools with real-world case studies and os, and organize hackathons and workshops for practical jects, and expert sessions on emerging technologies. B, Python, TensorFlow, and Hyperledger Fabric for problem orks for structured problem-solving.
			ne Engineering and Administration standards at work place ti-Disciplinary Environments.
PSO2	1.53	1.87	Observation: The set target is achieved
standards in v Action 2: To u stakeholders, Action 3: To C and contribute	arious contexts, itilize communic facilitating a shar ontinuously eval e to ongoing prof	ensuring complia ation skills to act red understandin uate industry tre fessional develop	o understand and apply engineering and administrative nce and operational excellence in workplace projects. t as a liaison between engineers, administrators, and other g of project requirements and objectives. nds and best practices to implement process improvements ment within the team. er system, Machines and Drives Systems and also Pursue
			ed systems, Renewable Energy, EMobility and Smart grid.
PSO3	1.53	1.67	Observation: The set target is achieved
reach the new Action 1: To contributing to Action 2: To embedded sys Action 3: To e resilience, an distribution. Action 4: To c	target value the establish and b high-performin conduct pionee tems to integrat explore and cont d the integration	e following action demonstrate de g and reliable sys ring research in e smarter and mo cribute to Smart on of renewable ment real-world	etings, it was decided to increase the target value by 2%. To s are planned. eep expertise in Power Systems, Machines, and Drives, stems for a wide range of industrial applications. emerging fields, focusing on developing and optimizing ore adaptive solutions into power systems. Grid technologies, enhancing real-time data analytics, grid e energy resources for efficient and automated energy applications and prototypes for the integration of cutting- g viable solutions for large-scale energy challenges.

HEAD Dr. M. Batasubbareddy Dept. of EEE, CBIT (A) HOD/EEE, CBIT Gandipet, Hyderabad - 75