

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

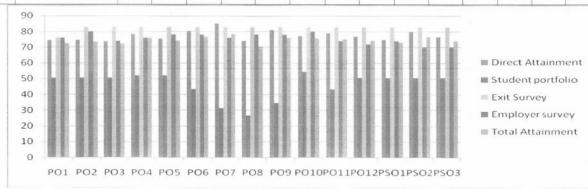
Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

FINAL PO-PSO ATTAINMENT OF 2014 ADMITTED BATCH

			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
	Direc	ct Attainment	74.51	74.48	73.69	78.31	75.53	80.28	84.89	73.8	80.81	77.17	78.9	76.92	74.75	80.19	76.43
TED	inment	Student portfolio	50.6	50.6	50.6	52.08	52.08	43.2	31.38	26.73	34.55	54.3	43.2	50.6	50.6	50.6	50.6
DMIT	Attai	Exit Survey	76.06	82.55	82.55	82.55	82.55	82.55	82.55	82.55	82.55	82.55	82.55	82.55	82.55	82.55	82.55
2014 ADMITTED	Indirect	Employer survey	76.00	80.00	74.00	76.00	78.00	78.00	76.00	78.00	78.00	80.00	74.00	72.00	74.00	70.00	70.00
	To	tal Attainment	72.42	73.45	72.3	75.88	74.14	76.57	78.42	70.39	76.08	75.7	75.2	74.36	73.04	76.45	73.82



Actions taken based on the results of evaluation of each of the POs & PSOs

POs& PSOs Attainment Levels and Actions for improvement in the CAY (2018-19)

PO	Target	Attained	Observation			
			natics, science, engineering fundamentals, and an engineering specialization			
to the solution of complex er	ngineering problem					
2017-2018	70					
Calculus" with the considera	ation Freshmen Eng	ineering (FE) fact	s we have included a course called "Transformation Techniques and Vector alty of our college. d Spring Framework" in this academic year for improving students basic			
PO	Target	Attained	Observation			
PO2: Problem analysis: Ic conclusions using first princ	dentify, formulate,	review research l	iterature, and analyse complexengineering problems reaching substantiated s, and engineering sciences.			
2017-2018	70	73.45	Target reached			
and industry representatives Action2: Planned to condu	were useful to take act a seminar on "!	this action. Micro Services ar	nd Spring Framework" in this academic year for improving students basic			
engineering knowledge. PO PO3: Design/development	Target of solutions: Design	Attained gn solutions for co	Observation Implex engineering problems anddesign system components or processes that			
and industry representatives Action2: Planned to condu engineering knowledge. PO PO3: Design/development meet the specified needs v	Target of solutions: Designith appropriate co	Attained gn solutions for coonsideration for the	Observation Implex engineering problems anddesign system components or processes that the public health and safety, and the cultural, societal, and environmental			
and industry representatives Action2: Planned to condu engineering knowledge. PO PO3: Design/development meet the specified needs v considerations. 2017-2018	Target of solutions: Designith appropriate co	Attained gn solutions for coonsideration for the 72.3	Observation Implex engineering problems anddesign system components or processes that the public health and safety, and the cultural, societal, and environmental • Target reached			
and industry representatives Action2: Planned to conducengineering knowledge. PO PO3: Design/development meet the specified needs veconsiderations. 2017-2018 Action1: To ensure attains Programming with R, Prob Google Go Programming, at Action2: Our faculty were to the students. Action3: A Guest Lecture of	Target of solutions: Designith appropriate columns appropriate col	Attained gn solutions for consideration for the result of	Observation Implex engineering problems anddesign system components or processes that the public health and safety, and the cultural, societal, and environmental • Target reached courses viz. "Python Programming, Python Programming Lab, Statistical sed Learning, Swift Programming, Scala Programming, PHP Programming, Insidering suggestions of various stakeholders. Idem solving through programming. Same people were further deputed to train conducted by Mr. Dr. M.Babu Reddy, HOD, Dept. of Computer Science			
and industry representatives Action2: Planned to conduce engineering knowledge. PO PO3: Design/development meet the specified needs vectors desired needs vectors are attained. 2017-2018 Action1: To ensure attained Programming with R, Probeogle Go Programming, at Action2: Our faculty were the students. Action3: A Guest Lecture of Krishna University, Mach	Target of solutions: Design with appropriate comment of this PO, where the design of the polem Assisted Learn and Android Technological trained by E-Box comments of the polem and Android Technological trained by E-Box comments of the probability of the probabi	Attained gn solutions for coonsideration for the 72.3 we have included ning, Problem Basologies Lab" by coonsultancy in problem solving skills a Pradesh under I	Observation Implex engineering problems anddesign system components or processes that the public health and safety, and the cultural, societal, and environmental • Target reached courses viz. "Python Programming, Python Programming Lab, Statistical sed Learning, Swift Programming, Scala Programming, PHP Programming, Insidering suggestions of various stakeholders. Idem solving through programming. Same people were further deputed to train conducted by Mr. Dr. M.Babu Reddy, HOD, Dept. of Computer Science LBRCE CSI Student Branch on 17-03-2018.			
and industry representatives Action2: Planned to condu engineering knowledge. PO PO3: Design/development meet the specified needs v considerations. 2017-2018 Action1: To ensure attains Programming with R, Prob Google Go Programming, at Action2: Our faculty were t the students. Action3: A Guest Lecture o Krishna University, Mach PO PO4: Conduct investigation	Target of solutions: Designation of this PO, when the solution of this PO, when the solution of the polem Assisted Learn and Android Technological trained by E-Box coon "Enhancing probablipatnam, Andhra Target ons of complex pro	Attained gn solutions for consideration for the T2.3 we have included ming, Problem Basologies Lab" by coonsultancy in problem solving skills a Pradesh under I Attained oblems: Use researched.	Observation Implex engineering problems anddesign system components or processes that the public health and safety, and the cultural, societal, and environmental • Target reached courses viz. "Python Programming, Python Programming Lab, Statistical sed Learning, Swift Programming, Scala Programming, PHP Programming, Insidering suggestions of various stakeholders. Idem solving through programming. Same people were further deputed to train conducted by Mr. Dr. M.Babu Reddy, HOD, Dept. of Computer Science			

Statistical Programming wir	th R Lab, Big Data Ar	nalytics, Big Da	have included courses like " ata with HADOOP Lab" as per the directions from Alumni, Faculty, Students
and Employers.		,,,	
Action2: We have invited	students to write par	ers and make	posters on various latest trends in Computer Science and organized events
accordingly, under the bann	er of "Association of	Computer Geek	ss (ACG)", a student association of CSE.
PO	Target	Attained	Observation
PO5:Modern tool usage:	Create, select, and	apply appropris	ate techniques, resources, and modernengineering and IT tools including
orediction and modelling to	complex engineering	activities with	an understanding of the limitations.
2017-2018	65	74.14	Target reached
	nts to more familiar w	ith modern too	ls, we have included "Android Technologies, Android Technologies Lab, and
Statistical Programming wi	th R Lab and Internet	of Things with	the considerations of Students, Alumni and Faculty.
Action2: We have conducte	ed a seminar on "Micro	Services and S	Spring Framework" on 07-07-2018.
Action3: We have conducte	ed one day Workshop	on "IoT Archite	ecture, Protocols, Case Studies & Idea-Prototype-Product" on 10-08-2018.
Action4: From the current	semester, we have pla	ins to expose or	ur students to Virtual-lab environment (by IITs), where adequate tool exposer
is given through Sys-interna			
PO	Target	Attained	Observation
		ng informed by	the contextual knowledge to assess societal, health, safety, legal and cultural
ssues and the consequent r	esponsibilities relevan	t to the professi	ional engineering practice.
2017-2018	60	76.57	Target reached
Action1: Courses like Soft	ware Engineering, pro	ofessional Ethic	s & Human Values and Professional Communication are contributing to this
PO. More practice is requir	ed in Professional Cor	mmunication La	abs. The same recommendations were given to FE.
Action2:Two new courses	aremade mandatory	viz. Employabi	ility Enhancement Skills I & II are introduced to improve decision making
skills of the students.			
	Target	Attained	Observation
P()	Target		
PO7: Environment and		stand the impa	act of the professional engineering solutions in societal and environmenta
PO7: Environment and	sustainability: Under	rstand the impa	act of the professional engineering solutions in societal and environmenta nable development.
PO7: Environment and contexts, and demonstrate t	sustainability: Under	rstand the impa need for sustain 78.42	act of the professional engineering solutions in societal and environmenta nable development. • Target reached
PO7: Environment and a contexts, and demonstrate to 2017-2018	sustainability: Under the knowledge of, and 60	need for sustain 78.42	Target reached
PO7: Environment and a contexts, and demonstrate t 2017-2018 Action1: Directed concern	sustainability: Under the knowledge of, and 60 ned faculty to put mor	78.42 re focus wherev	Target reached
PO7: Environment and a contexts, and demonstrate t 2017-2018 Action1: Directed concern leadstudents to find Engine	sustainability: Under the knowledge of, and 60 led faculty to put more ring solutions in this	78.42 re focus wherev	Target reached
PO7: Environment and a contexts, and demonstrate to 2017-2018 Action1: Directed concern leadstudents to find Engine PO	sustainability: Under the knowledge of, and 60 and faculty to put more tering solutions in this Target	78.42 re focus wherev context. Attained	nable development.
PO7: Environment and acontexts, and demonstrate to 2017-2018 Action1: Directed concern leadstudents to find Engine PO PO8: Ethics: Apply ethica	sustainability: Under the knowledge of, and 60 ted faculty to put more reing solutions in this Target Il principles and comm	78.42 re focus wherev context. Attained	nable development. • Target reached ver necessary on Environmental Science by giving an assignmentwhich may Observation all ethics and responsibilities and norms of the engineering practice.
PO7: Environment and acontexts, and demonstrate to 2017-2018 Action1: Directed concern leadstudents to find Engine PO PO8: Ethics: Apply ethica 2017-2018	sustainability: Under the knowledge of, and 60 and faculty to put more tering solutions in this Target all principles and communications and communications and communications are sustained as a sustain	re focus wherevecontext. Attained hit to profession 70.39	Target reached Torget reached Observation al ethics and responsibilities and norms of the engineering practice. Target reached
PO7: Environment and acontexts, and demonstrate to 2017-2018 Action1: Directed concern leadstudents to find Engine PO PO8: Ethics: Apply ethica 2017-2018 Action1: Directed concern	sustainability: Under the knowledge of, and 60 led faculty to put more rering solutions in this Target all principles and comm 65 led faculty of Professional Professional Target faculty of Professional Target faculty	re focus wherevecontext. Attained hit to profession 70.39 onal Ethics and	Target reached Torget reached Observation all ethics and responsibilities and norms of the engineering practice. Target reached Human values course to give some example scenarios which may happen i
contexts, and demonstrate to 2017-2018 Action 1: Directed concern leadstudents to find Engine PO PO8: Ethics: Apply ethica 2017-2018 Action 1: Directed concern	sustainability: Under the knowledge of, and 60 led faculty to put more rering solutions in this Target all principles and comm 65 led faculty of Professional Professional Target faculty of Professional Target faculty	re focus wherevecontext. Attained hit to profession 70.39 onal Ethics and	nable development. • Target reached ver necessary on Environmental Science by giving an assignmentwhich may Observation all ethics and responsibilities and norms of the engineering practice.

settings.			
2017-2018	65	76.08	Target reached
Learning". Action2: Students were dis	rected to do theoretic	al and applied re	we have included courses like "Problem Assisted Learning, Problem Based search in latest trends in computer science engineering with four men team in plication, IoT project or web application with four men team in each group.
PO	Target	Attained	Observation
PO10: Communication:	Communicate effect	ively on comple	x engineering activities with the engineering community and with society at eports and design documentation, make effective presentations, and give and
2017-2018	65	75.7	Target reached we have included courses like "Employability Enhancement Skills-I and
Action2: Students suppose Problem Based Learning presentations may help stu	and need to give dents to improve eff	presentation about	
PO	Target	Attained	Observation
PO11: Project managem	nent and finance: I	Demonstrate knownd leader in a tear	wledge and understanding of theengineering and management principles and m, to manage projects and in multidisciplinary environments.
2017-2018	60	75.2	Target reached
Action1: For improving consideration of faculties		nt skills among	students we have included courses like "Project Management" with the
PO	Target	Attained	Observation
PO12: Life-long learning	g: Recognize the nee	ed for, and have	the preparation and ability to engage in independent and life-long learning in
the broadest context of tec	hnological change.		
2017-2018	65	74.36	Target reached
complex engineering prob Action2: Students are doi: Action3: Organizing Intra	olems using wide range online NPTEL con- Department competers.	ge of programmi urses. titions, National l	Level Technical Symposiums. organized in outside colleges/ Institutions.
PSO	Target	Attained	Observation
PSO1: Programming Pa	radigms: To inculc	ate algorithmic t	hinking, formulation techniques and visualization, leading to problem solving
PSO1: Programming Pa skills using different prog 2017-2018	radigms: To inculc	ate algorithmic t	hinking, formulation techniques and visualization, leading to problem solving Target reached

Action1: We have included various Programming Languages in the new regulations for making students to be industry ready. Ex: Google Go, Swift Programming, Scala Programming etc.

Action2: To inculcate algorithmic thinking, formulation techniques and visualization, leading to problem solving skills among students we have included following courses

· Problem Assisted Learning

· Problem Based Learning.

PSO	Target Attained Observation					
PSO2: Data Engineer	ing: To inculcate an abi	lity to Analyse, I	Design and implement data driven applications into the students.			
2017-2018	70	76.45	Target reached			

Action1: For making students to get familiarity with Data Engineering constructs we have included following courses with the consideration of various stake holders.

• Big Data Analytics

Big Data with HADOOP Lab

PSO	Target	Attained	Observation
			t various processes / methodologies /practices employed in design, validation,
testing and maintenance	of software products.		
2017-2018	70	73.82	Target reached
Action1: We have inclu	ided "Software Securit	y Engineering" fo	r making students to be familiarized with software engineering constructs.

Program coordinator