# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

Accred

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

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

Batch: (2016-20)

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

#### RECOMMENDATIONS/SUGGESTIONS REPORT

PO/PSO ATTAINMENTS

POs	Target Level	Attainment Level	Observations		
	amentals, and an		knowledge of mathematics, science, engineering lization to the solution of complex engineering		
prosi			Target reached		
	60	74.8	Out of 68 courses, only 54 courses are contributing to this PO1. Out of 54, 44 courses are above PO attainment value of 60%.		
	Action 1: Applie	cation of fundamenta	als should be covered through case studies, live		
	examples etc for more clarity of subjects. <b>Action 2:</b> Conducting revision classes and giving additional assignments for the specific courses that contributed less.				
engin	eering problems		r, review research literature, and analyze complex tiated conclusions using first principles of ring sciences.		
	,	,	Target reached		
	60	72.1	Out of 68 courses, only 54 courses are contributing to this PO2. Out of 54, 42 courses are above PO attainment value of 60%.		
	<b>Action 1:</b> More practice on analyzing the given data, formulation of the problem as problem solving should be adopted.				
		culty are instructed	to conduct more tutorials to improve the student		
	Action 2: The fa		to conduct more tutorials to improve the student aspects.		
and c	Action 2: The father thinking ability we be	with respect to above a lent of solutions: Descriptions or processes			
and d	Action 2: The fath thinking ability we be	with respect to above a lent of solutions: Descriptions or processes	esign solutions for complex engineering problems es that meet the specified needs with appropriate ety, and the cultural, societal, and environmental  Target reached		
and d	Action 2: The fath thinking ability we be	with respect to above a lent of solutions: Descriptions or processes	esign solutions for complex engineering problems as that meet the specified needs with appropriate ety, and the cultural, societal, and environmental		
and d	Action 2: The farthinking ability we Design/developm design system conderation for the productions.  60  Action 1: Open	vith respect to above a nent of solutions: Description of processes the processes with the processes of the	esign solutions for complex engineering problems es that meet the specified needs with appropriate ety, and the cultural, societal, and environmental  Target reached Out of 68 courses, only 29 courses are contributing to this PO3. Out of 29, 23 courses are above PO attainment value of 60%.		
and d	Action 2: The farthinking ability we Design/developm design system conderation for the productions.  60  Action 1: Open improving the an	rith respect to above a sent of solutions: Dependents or processes ublic health and safe and the sent of the sent	esign solutions for complex engineering problems es that meet the specified needs with appropriate ety, and the cultural, societal, and environmental  Target reached Out of 68 courses, only 29 courses are contributing to this PO3. Out of 29, 23 courses		

70.26 Target reached
Out of 68 courses, only 37 courses are

synthesis of the information to provide valid conclusions.

**PO4: Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and

A.Y:2020-21

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		contributing to this PO4. Out of 37, 28 courses are above PO attainment value of 60%.					
Action 1: The co	ncerned faculty are a	advised to provide relevant additional problems and					
for practice	· · · · · · · · · · · · · · · · · · ·						
<b>PO5: Modern tool usage</b> : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering							
activities with an ur	nderstanding of the li						
60	70.2	Target reached Out of 68 courses, only 36 courses are contributing to this PO5. Out of 36, 26 courses are above PO attainment value of 60%.					
		ed to modern tool usage in the respective subjects.					
<b>PO6: The engineer and society</b> : 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.							
		Target reached					
60	67.9	Out of 68 courses, only 27 courses are contributing to this PO6. Out of 27, 17 courses are above PO attainment value of 60%.					
<b>Action 1:</b> Grad respective course		sposed to safety, health, and societal issues in					
		derstand the impact of the professional engineering					
solutions in societa	<b>PO7: Environment and sustainability</b> : Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.						
		Target reached					
60	71	Out of 68 courses, only 37 courses are contributing to this PO7. Out of 37, 26 courses are above PO attainment value of 60%.					
	<b>Action 1:</b> Graduates should be made aware of the connection of Civil Engineering discipline with the environment in day-to-day life and the necessity of sustainable						
<b>PO8: Ethics</b> : Apply eth and norms of the er		commit to professional ethics and responsibilities					
		Target reached					
60	66.5	Out of 68 courses, only 28 courses are contributing to this PO8. Out of 28, 18 courses are above PO attainment value of 60%.					
	<b>Action 1:</b> Graduates should be exposed to the significance of maintaining professional ethics and norms to be followed in their professional career.						
<b>PO9: Individual and team work</b> : Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings							
60	73.1	Target reached Out of 68 courses, only 19 courses are contributing to this PO9. Out of 19, 13 courses					

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		eddy Nagar, Mylavara	90. (A. 15. A. 1				
_			are above PO attainment value of 60%.				
res		carrying out the	alighted the significance of team work, individual civil engineering related field works in all the				
	<b>PO10: Communication</b> : Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write						
effective r	effective reports and design documentation, make effective presentations, and give and receive						
clear inst	ructions.	<u> </u>	Toward was also d				
	60	71.2	Target reached Out of 68 courses, only 22 courses are contributing to this PO10. Out of 22, 17 courses are above PO attainment value of 60%.				
	<b>Action 1:</b> Graduates should be apprised the need of articulation and communication skills that are necessary for a successful professional growth.						
PO11: Pr	oject manage	ement and finance:	Demonstrate knowledge and understanding of the				
			and apply these to one's own work, as a member and in multidisciplinary environments.				
			Target reached				
	60	67.3	Out of 68 courses, only 27 courses are contributing to this PO11. Out of 27, 16 courses are above PO attainment value of 60%.				
<b>Action 1:</b> Graduates should be taught the necessity of applying engineering and management principles to successfully complete the civil engineering projects or tasks in their professional career.							
	e in indepen		eed for, and have the preparation and ability to earning in the broadest context of technological				
Chang	,c.		<u> </u>				
1			Target reached				
	60	70.5	Target reached Out of 68 courses, only 50 courses are contributing to this PO12. Out of 50, 40 courses are above PO attainment value of 60%.				
the	etion 1: The f	faculty members show	Out of 68 courses, only 50 courses are contributing to this PO12. Out of 50, 40 courses				
<b>PSO 1:</b> P	etion 1: The fee graduates to ofessional demo	faculty members show to get updated in the nand with ease.	Out of 68 courses, only 50 courses are contributing to this PO12. Out of 50, 40 courses are above PO attainment value of 60%.  ald highlight the need for continuous learning by neir respective subject domains and handle the alyze and design various systems using analytical ineering				
<b>PSO 1:</b> P	etion 1: The fee graduates to ofessional demo	Faculty members show to get updated in the mand with ease.	Out of 68 courses, only 50 courses are contributing to this PO12. Out of 50, 40 courses are above PO attainment value of 60%.  ald highlight the need for continuous learning by neir respective subject domains and handle the alyze and design various systems using analytical				
PSO 1: P are	etion 1: The fee graduates to ofessional demonstrates and software too 60  tion 1: Technolicated/real	Faculty members show to get updated in the nand with ease.  Sessary skill set to analols related to civil enginerated to civil enginerated knowledge in the l-life problems by the	Out of 68 courses, only 50 courses are contributing to this PO12. Out of 50, 40 courses are above PO attainment value of 60%.  In all this possible to the continuous learning by their respective subject domains and handle the course and design various systems using analytical intering.  Target reached  Out of 68 courses, only 52 courses are contributing to this PSO1. Out of 52, 40 courses				



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the professional demands					
	60	72.03	Out of 68 courses, only 41 courses are		
			contributing to this PSO2. Out of 41, 29 courses are above PO attainment value of 60%.		
	<b>Action 1:</b> Graduates should be given rigorous training in performing/understanding the laboratory tests and analyzing the results through additional exercises. The faculty members should monitor their involvement and performance and guide them in this regard.				
<b>PSO 3:</b> Possesses basic technical skills to pursue higher studies and professional practice in civil engineering domain.					
			Target reached		
	60	71.23	Out of 68 courses, only 39 courses are contributing to this PSO3. Out of 39, 27 courses are above PO attainment value of 60%.		
	<b>Action 1:</b> Graduates should be taught the opportunities for higher studies and career development in their respective domains. They should be guided by the faculty members to improve their technical and communication skills in this regard.				

CO-ORDINATOR HOD-CIVIL