



## LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

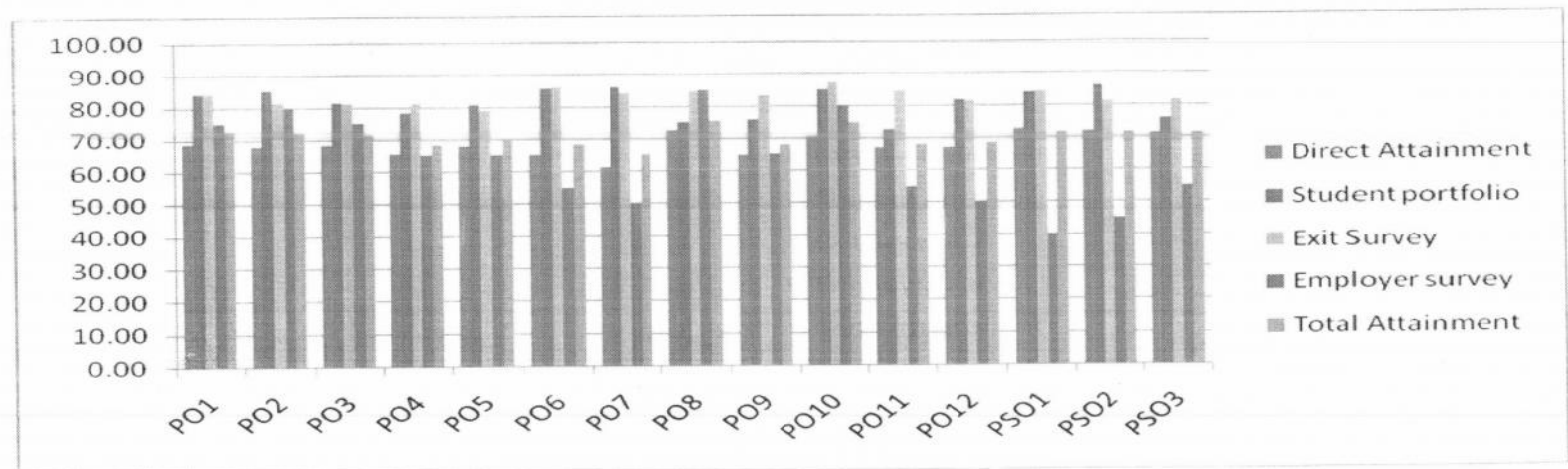
Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

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 2012 ADMITTED BATCH

		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
2012 ADMITTED	Direct Attainment	68.77	67.80	68.38	65.67	67.88	65.18	61.43	72.67	64.93	70.44	66.80	67.05	72.43	71.83	71.27	
	Indirect Attainment	84.00	85.25	81.31	78.03	80.66	85.57	85.90	75.08	75.57	84.92	72.46	81.64	83.77	85.90	75.57	79.34
		84.15	81.33	80.89	81.04	78.96	85.78	84.15	84.59	82.96	86.81	84.44	81.33	84.15	80.89	81.33	79.25
		75.00	80.00	75.00	65.00	65.00	55.00	50.00	85.00	65.00	80.00	55.00	50.00	40.00	45.00	55.00	55.00
Total Attainment		72.45	72.12	71.59	68.37	69.98	68.26	65.00	75.33	67.80	74.48	67.95	68.23	71.49	71.46	71.08	



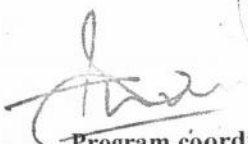
**Actions taken based on the results of evaluation of each of the POs & PSOs**

**POs& PSOs Attainment Levels and Actions for improvement in the CAY (2016-17)**

<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>
<b>PO a:</b> An ability to apply knowledge of mathematics, science &engineering to the field of computing.			
<b>2015-2016</b>	<b>70</b>	<b>72.45</b>	• Target reached
After analyzing results and interacting with students, it was attributed that still they need more practice on problem solving with the help of mathematical logic/knowledge.			
<b>Action Taken</b>			
◆ Faculty are instructed to conduct Tutorials/ Assignments effectively			
◆ Faculty course coordinators are suggested to conduct extra classes for practicing more problems			
<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>
<b>PO b:</b> An ability to design and conduct experiments, as well as to analyze and interpret data.			
<b>2015-2016</b>	<b>70</b>	<b>72.12</b>	• Target reached
After analysis of results and interacting with students it is attributed that they need more analytical capabilities in Java programming and Data Structures.			
<b>Action Taken</b>			
◆ Course Coordinators are suggested to conduct Assignments / Tutorials / Remedial Classes for the course which was not attained.			
◆ Conduct workshop on Visualization of data structures to improve logical thinking skills.			
<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>
<b>PO c:</b> An ability to analyze, evaluate, design and implement a viable computer based system			
<b>2015-2016</b>	<b>70</b>	<b>71.58</b>	• Target reached
It was also identified the need of additional care to strengthen the design capabilities of students, after analyzed results and interacted with students.			
<b>Action Taken</b>			
◆ Course Coordinators are suggested to conduct more number of classes/tutorials for the courses which are contributing design &development of solutions.			
<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>
<b>PO d:</b> An ability to function on teams of multidisciplinary projects			
<b>2015-2016</b>	<b>60</b>	<b>68.37</b>	• Target reached
It was observed that few courses need improvement.			
<b>Action Taken</b>			
◆ Awareness on leadership qualities has to be created by project assessment and evaluation committee.			
◆ Create awareness on teamwork by preparing the posters and paper presentation in various competitions(i.e. LAKSHYA-13 conducted by LBRCE)			
<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>

<b>PO e: An ability to identify, formulate and solve problems faced by the industry using technology.</b>			
<b>2015-2016</b>	<b>65</b>	<b>69.98</b>	• Target reached
After analysis of results, it is observed that students are doing laboratory experiments without enough preparation i.e., in terms of designing experiment, analyzing and interpretation of results.			
<b>Action Taken</b>			
<ul style="list-style-type: none"> <li>➤ To improve practical knowledge, Hands-on Sessions/Demonstration classes has to be conducted before executing the experiment.</li> <li>➤ Conduct workshop on Visualization of data structures for improve logical thinking skills.</li> </ul>			
<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>
<b>PO f: An understanding of professional and ethical responsibility.</b>			
<b>2015-2016</b>	<b>60</b>	<b>68.26</b>	• Target reached
After analysis of results and interacting with students, additional efforts required to improve knowledge on professional ethics and moral values.			
<b>Action Taken</b>			
➤ Additional classes on professional ethics and norms of the engineering practice has to be conducted rigorously			
<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>
<b>PO g: An ability to communicate effectively.</b>			
<b>2015-2016</b>	<b>60</b>	<b>65.00</b>	• Target reached
After interacting with students, it was identified that additional focus required on development of communication skills.			
<b>Action Taken</b>			
<ul style="list-style-type: none"> <li>➤ CSS Communication and Soft Skills classes has to be conducted in regular basis.</li> <li>➤ Student Association activities were carried out in timely mannner</li> </ul>			
<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>
<b>PO h: The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.</b>			
<b>2015-2016</b>	<b>65</b>	<b>75.33</b>	• Target reached
After interacting with students, it is found to be due to lack of awareness on environment and sustainable development.			
<b>Action Taken</b>			
<ul style="list-style-type: none"> <li>➤ Students are encouraged to select environmental and socioeconomic related problems for their main project or mini-projects.</li> <li>➤ Conduct more Tutorials on "Environment and sustainability" by senior faculty in the department</li> </ul>			
<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>
<b>PO i: Engage in life-long learning and professional development.</b>			
<b>2015-2016</b>	<b>65</b>	<b>67.80</b>	• Target reached
After analysis of results and interacting with students, additional efforts required to improve knowledge on professional ethics and moral values.			
<b>Action Taken</b>			
<ul style="list-style-type: none"> <li>➤ Encouraged students to participate in workshops/seminars/ symposia</li> <li>➤ Provided library hours.</li> <li>➤ Conduct association activities.</li> </ul>			

<ul style="list-style-type: none"> <li>◆ Conduct self learning courses.</li> </ul>			
<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>
<b>PO h: Knowledge of contemporary issues.</b>			
2015-2016	65	74.48	• Target reached
<ul style="list-style-type: none"> <li>◆ To improve practical knowledge, Hands-on Sessions/Demonstration classes has to be conduct before executing the experiment.</li> <li>◆ Conduct workshop on Visualization of data structures to improve logical thinking skills.</li> </ul>			
<b>PO</b>	<b>Target</b>	<b>Attained</b>	<b>Observation</b>
<b>PO k: An ability to use the techniques, skills, and modern engineering tools.</b>			
2015-2016	60	67.95	• Target reached
It is observed that few courses attained less.			
<b>Action Taken</b>			
<ul style="list-style-type: none"> <li>◆ Tutorials has to be conducted for the courses which contributed less.</li> <li>◆ Keep more focus on using advanced tools in doing Mini Projects, Internships and Main Projects</li> </ul>			

  
 Program coordinator