

PVP Siddhartha Institute of Technology

Freshman Engineering Department

A.Y 2022-23

Quality Circles Impact

S. No.	Name of the Quality Circle	Dept.	Impact
1.	Language Enhancement Quality Circle	FED	1) 394 students completed NPTEL Soft Skills course 2) Initiated ECHO Club–7 events were organized and 413 students participated
2.	Innovation and Entrepreneurship Enhancement Quality Circle	FED	<p>1) A team of 78 I B.Tech. students has exclusively designed and organized a program titled ‘Futuristic Innovation and Entrepreneurship Summit 2K23’. As a part of this program various events were hosted:</p> <ul style="list-style-type: none"><li>➤ Start-up talk by alumni</li><li>➤ Entrepreneur tree expo</li><li>➤ Chocolate making workshop</li><li>➤ Marshmallow challenge</li><li>➤ Bangle making workshop</li><li>➤ Start-up ideas</li><li>➤ Parents entrepreneurial saga</li><li>➤ Quiz</li></ul> <p>Students approached various sponsors and collected a sum amount of Rs.26,000/-. All the expenses of this summit were borne by this sponsorship amount.</p> <p>2) Mrs. R. Lavanya, 22501A12A0 participated and won third prize in the Business Plan Competition held by EDC, PVPSIT, Kanuru. She is in the process of developing this idea to a start-up.</p> <p>3) Increased participation from students in events organized by EDC &amp; IIC.</p>
3.	Research Quality Circle	FED	1) Established Nano Technology Research lab to promote research in the area 2) Installed High Temperature Muffle Furnace With Temperature of 1400 Degrees Centigrade

			<div>3) 2 facultymembersreceived seedmoney– 0.55L</div> <div>4) 2 Students from first yearparticipatedin InternationalConferenceandpresentedpapers</div> <div>5) Publications</div> <table><tr><td>Publications</td><td>2021-22</td><td>2022-23</td></tr><tr><td>Scopus</td><td>12</td><td>20</td></tr><tr><td>Total</td><td>23</td><td>27</td></tr></table> <div>6) Paperspresentedinconferences</div> <table><tr><td>Conferences</td><td>2021-22</td><td>2022-23</td></tr><tr><td>International and National</td><td>17</td><td>19</td></tr></table>	Publications	2021-22	2022-23	Scopus	12	20	Total	23	27	Conferences	2021-22	2022-23	International and National	17	19																																		
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4.	Academic Quality Circle	FED	<div>1) Increase in Pass Percentage</div> <table><tr><td></td><td colspan="2">2021-22</td><td colspan="2">2022-23</td></tr><tr><td></td><td>SEM -1</td><td>SEM -2</td><td>SEM -1</td><td>SEM -2</td></tr><tr><td>No. of Students Registered</td><td>653</td><td>640</td><td>689</td><td>690</td></tr><tr><td>No. of Students Passed</td><td>502</td><td>489</td><td>554</td><td>552</td></tr><tr><td>Pass %</td><td>76.87 %</td><td>76.41 %</td><td>80.40 %</td><td>80 %</td></tr></table> <div>2) Certification courses done by students</div> <table><tr><td>Name of the Course</td><td>No. of Certifications</td></tr><tr><td>NPTEL</td><td>394</td></tr><tr><td>Elements of AI</td><td>01</td></tr><tr><td>Cyber Security and Ethical Hacking</td><td>2</td></tr><tr><td>The Fundamentals of Digital Marketing</td><td>2</td></tr><tr><td>Automation</td><td>3</td></tr><tr><td>C- Programming</td><td>1</td></tr><tr><td>C –Language</td><td>5</td></tr><tr><td>Python</td><td>2</td></tr><tr><td>Digital Marketing STEM Connection Program</td><td>1</td></tr><tr><td>Technology Virtual Experience Program</td><td>1</td></tr><tr><td>Total Certifications</td><td>412</td></tr></table>		2021-22		2022-23			SEM -1	SEM -2	SEM -1	SEM -2	No. of Students Registered	653	640	689	690	No. of Students Passed	502	489	554	552	Pass %	76.87 %	76.41 %	80.40 %	80 %	Name of the Course	No. of Certifications	NPTEL	394	Elements of AI	01	Cyber Security and Ethical Hacking	2	The Fundamentals of Digital Marketing	2	Automation	3	C- Programming	1	C –Language	5	Python	2	Digital Marketing STEM Connection Program	1	Technology Virtual Experience Program	1	Total Certifications	412
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5.	Green Quality Circle	FED	<ol style="list-style-type: none"> <li>1) 4 students submitted proposals on Environmental Management on the campus and were recognized as University Innovations Fellows by Stanford D. School, USA</li> <li>2) All the I B. Tech. students participated in Phyto–Expo and from the awareness gained have created the Phyto – Data of the college.</li> <li>3) After the completion of I B. Tech., 6 students from CSD have taken up Botanical Survey as their Community Service Project in the areas of ‘Penamaluru’ and ‘Pedapulipaka’.</li> </ol>
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