



**B.L.D.E. Association's Vachana Pitamaha Dr. P.G. Halakatti
College of Engineering and Technology, Vijayapur-586103**

VISION 2020

The coming decade will witness phenomenal change and disruption in the field of higher education. As academicians, while our focus has been intense on the quality and delivery aspects of education, we feel it is the technology that will be the great disruptor of how we teach and measure the outcomes of that teaching. One clear area of evolution we see for colleges will be a shift of focus from 'marks based' traditional academic curriculum to 'life based' overall development.

At present, there is a large gap between what students study and what the industry and the world require from them. We are on the verge of collapsing the wall that exists between academia and industry. Industry must engage institutions at the very root stages and drive the development of curricula, teaching methodologies and applied learning experiences. Especially in Science and Engineering fields, it is seen that the curriculum and teaching methods are archaic, considering the pace of change in these disciplines.

We at BLDEA's Vachana Pitamaha Dr. P.G. Halakatti College of Engineering and Technology, Vijayapur have come with an strategic action plan with an objective of providing a holistic education for the overall development of students who enter this institute.

OUR VISION

To emerge as a widely acknowledged centre in technical education and research to cater the need of society with a futuristic outlook.

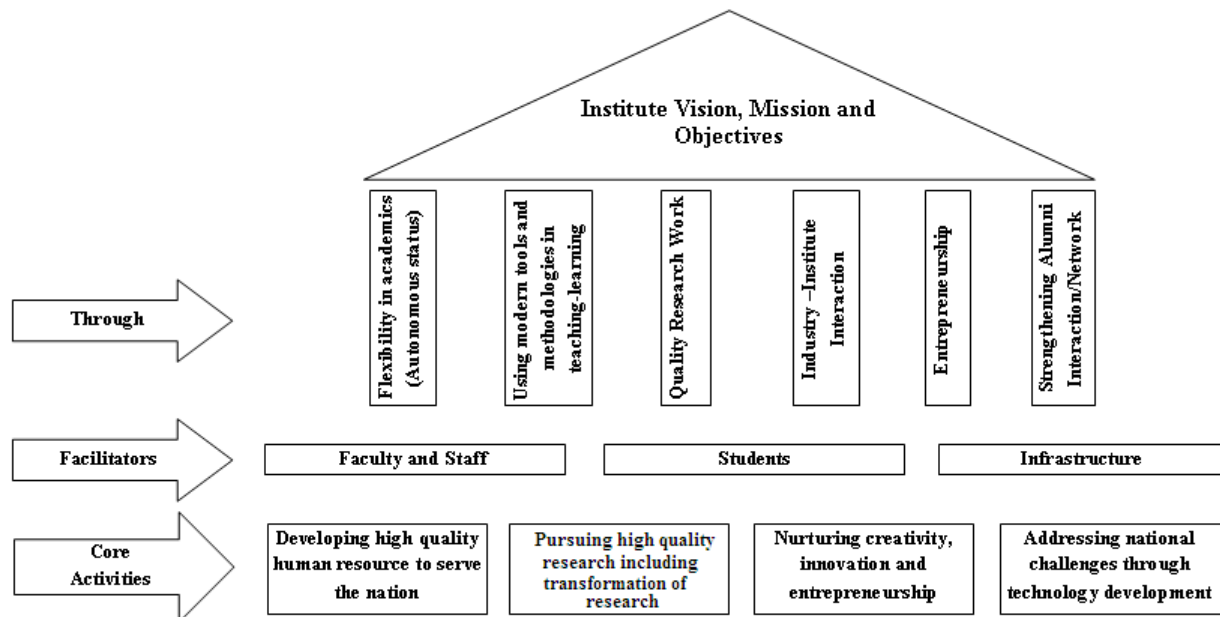
OUR MISSION

- To enrich students with the essence of science and engineering knowledge, professional ethics and social values.
- To instill creativity and research temperament to reach the greater heights of professional success.

OUR OBJECTIVES

1. To provide technical education of highest standard to the students belonging to all the classes of the society at an affordable cost and to act as a catalyst in technological and economic transformations for the national development.
2. To provide trained and skilled technocrats inculcated with professional ethics to accept challenges of globalization.
3. Ensure that innovation, entrepreneurship, and public service are fundamental characteristics of our graduates.
4. To improve the competencies of undergraduates for better employability
5. To analyze the training requirement (both teaching and supporting staff)
6. To enhance the research culture amongst faculty and students to promote testing and consultancy.

In the following chart, it is shown how the defined vision & mission statements and objectives are achieved.



Keeping in view the vision and mission statements we propose the following strategic action plan.

Components/ facilitators	What to do	How	When
Faculty and Staff	To develop a heterogeneous academic community for excellence in teaching-learning process, research and training.	Depute existing staff members to premier institutions like IITs and IISc to pursue Ph.D.	Immediately, from AY 2017-18 and following years
		Identify potential student candidates to induct them into academics and then depute them to IITs and IISc and other top notch institutions to obtain M.Tech., and Ph.D. degrees.	Immediately, from AY 2017-18 and following years
		Identify courses in main domain/interdisciplinary domain (latest) and depute faculty to get training. @	Immediately, from AY 2017-18 and following years
	Collaboration with well established educational institutions and industries for faculty and staff training	Through MoUs	Immediately, from AY 2017-18
	Research, IPR and Consultancy: To carry out research in thrust areas and capabilities to provide consultancy services	Getting research grants from various funding agencies. Product and Process development by competent faculty. Providing consultancy through design firm.	Exists. Will be strengthened in the span of three years
Students(Education Process)/Teaching-Learning	Getting autonomous status. Flexibility is brought in curriculum	Through regulating authorities (VTU and UGC)	From AY 2018-19
	Introduce new courses to bridge the industry-academia gap	Through trained faculty	From AY 2018-19
	Offer value aided courses to compete successfully in the competitive job market or become a successful entrepreneur.	Through existing centers of competence and trained faculty. @	Undergoing
		Establishing new centers of competence	From AY 2018-19

Components/ facilitators	What to do	How	When
Students(Education Process)/Teaching- Learning	Organizing training programs for students: Aptitude, Communication skills, Personality development, Group discussions, Public speaking, leadership	Through Training and Placement cell	In place
	Introduce ICT tools	Through lecture capture tools, smart class rooms/ interactive class rooms.	From AY 2018-19
	E-learning	Through MOOC, NPTEL, etc	In place, some more will be added from AY 2017-18
	Student Internships	Through existing MoUs with industries. To have some MoUs with reputed organizations	Some are in place From AY 2017-18
	Strengthening alumni network	By organizing alumni meet twice in a year in Vijayapur. At least once in three years in cities like Mumbai, Bengaluru, Hyderabad, New Delhi	From AY 2017-18
Infrastructure	Modernization of class rooms, Laboratories, Seminar rooms, Administrative space, Student Activity Center, Sports facilities	By making comfortable seating arrangement. Installing audio-visual equipment Establishing lab facilities that meet not only the university curriculum but meet the requirements of industry and research organizations Seminar rooms with latest audio-visual tools (lecture capture tools)	Some are in place. Through 2018-2020
	Landscaping and campus beautification	Through the staff and faculty of Architecture department	From AY 2017-18

Funding to implement above core activities:

BLDEA's management has always supported new ideas. Hence, enough funds will be made available.

@ Value added courses

Value added courses offered using existing facilities (centers of competence)	Value added -courses proposed through Design and Innovation Center (Graphics Lab/Media Lab)
<p>BOSCH- REXROTH Center of Competence: Courses: Hydraulics and Pneumatics, Programmable Logic Controllers, Mechatronics (Industrial Automation) (ME Dept.)</p>	<ul style="list-style-type: none"> ✓ Android APP development ✓ Graphic Design ✓ Web Design ✓ Photography ✓ Animation ✓ Film making ✓ Architectural Design ✓ Civil Design ✓ Artificial Intelligence ✓ Robotics ✓ Unmanned Vehicles ✓ Model Aviation ✓ Urban Design ✓ Autotronics ✓ Python Programming ✓ Arduino Programming ✓ Product Design <p>Faculty members will be deputed to institutes like- IIHS, Srishti Institute of Art Design and Technology, National Institute of Design, Takshashila Institute</p> <p>These courses will be started from the academic year 2017-18.</p>
<p>VGST Sound and Vibration Center of Competence: Sound and Vibration measurement (ME Dept.)</p>	
<p>Software courses: CATIA, ANSYS, CAPSTURN (ME Dept.)</p>	
<p>Wear Testing (Tribology) Center of Competence: Wear characteristics of alloy and composite materials (ME Dept.)</p>	
<p>Center of Competence in Heat Transfer: Heat transfer studies in different configurations using thermal imaging camera (ME Dept.)</p>	
<p>3D Printing Facility Parts can be printed to build a prototype product (ME Dept.)</p>	
<p>Center of Competence in Embedded Systems: Intel kits available for training (ECA Dept.)</p>	