

7.3.1 Institutional Distinctiveness 7.3.1 Highlight the performance of the institution in an area distinct to its priority and thrust Title:

The Vision, Mission, and Quality Policy of the Institution are all aimed at the holistic development of students. At the time of admission, Bonam Venkata Chalamayya Institute of Technology&Science is the most preferred college in this area, particularly for female students. This preference stems from the college's commitment to maintaining high standards, providing good infrastructure, having dedicated staff, and offering personal care and safety for students, with a strong emphasis on security. Additionally, the institute boasts an impressive track record of placements.

The Institution's focus is to impart quality education while promoting the overall development of students. To achieve this, the college encourages participation in various activities. Having completed 21 years of existence in 2020, the college has established a strong bond with the local community, positively impacting approximately 90000 families through direct and indirect employment.

The college has successfully implemented the semester system introduced by JNTUK University nearly a decade ago. It prioritizes skill development, career-oriented programs, industry visits, and academia-industry interactions, all integrated into the curriculum. Special attention is given to students from SC/ST, OBC, and minority groups, ensuring they receive guidance to excel academically and gain knowledge about social perseverance and environmental sustainability.

Efforts are made to educate students on the current environmental crisis. Through initiatives like energy conservation, waste management, rainwater harvesting, and plantation drives, the college encourages them to become eco-friendly citizens. To align the curriculum with its mission and vision and address contemporary issues, the college has implemented several best practices, particularly prioritizing the safety and security of female students through CC surveillance, while also aiming for strong academic results.

Additionally, the college conducts numerous curricular, co-curricular, and extracurricular activities according to a yearly planner. To enhance student placements, the institute offers classes on Competitive Readiness Training (CRT), soft skills, mock technical tests, and mock HR rounds for both on-campus and off-campus placements, with the goal of ensuring that every student secures a job and can become an entrepreneur.

****Embracing Education in Emerging Technologies****

The college's vision is to promote excellence in technical education and scientific research for the benefit of society. It strives to provide education that meets the evolving demands of emerging industries. Emerging technologies are crucial for modernizing industries, and training students in

these technologies is essential for making them industry-ready.

Based on industry feedback and technology forecasts, the college has launched two new 4-year B.E./B.Tech degree programs in emerging areas such as CAD and later AIML. Core and elective courses in these fields have also been introduced into the curriculum. The establishment of industry-supported laboratories in these emerging areas ensures that students gain knowledge of cutting-edge technologies and business skills through hands-on exposure, preparing them for the workforce.

Bonam Venkata Chalamayya Institute of Technology&Science differentiates itself by redefining, redesigning, and continuously innovating its delivery of outcome-based education. The college focuses on the learner, equipping them with the necessary knowledge, skills, and behavioral traits for their future endeavors. The pedagogical framework emphasizes a blend of hands-on knowledge, experiential-based learning, and practice-oriented instruction through internal internships and extensive industry exposure. This approach facilitates a transition from traditional classroom learning to applied learning in laboratories and ultimately to action learning in real production environments.

Bonam Venkata Chalamayya Institute of Technology&Science is committed to enhancing human resource capabilities through education, skill development, and competency training that promote employability. The organization strongly emphasizes the development and encouragement of entrepreneurial skills. The unique model of Bonam Venkata Chalamayya Institute of Technology&Science demonstrates its universality and relevance, particularly in addressing the skilling needs of the tribal youth in the Konaseema region.

Bonam Venkata Chalamayya Institute of Technology&Science distinguishes itself by continually redefining, redesigning, and innovating its delivery of outcome-based education. It focuses on the learner, imparting the knowledge, skills, and behavioral traits necessary to shape their futures.

The pedagogical framework integrates hands-on knowledge with experiential, practice-oriented learning. This involves internal internships and extensive industry exposure, transitioning from traditional classroom learning to applied learning in laboratories, and culminating in action learning within live production environments.

In summary:

- There is deep industry engagement in the learning processes of all educational programs, supported by state-of-the-art, industry-standard workshops and well-equipped labs with relevant machines, tools, and standard operating procedures, ensuring hands-on, practice-oriented, and experiential-based learning.

- The program provides opportunities for the most disadvantaged members of society, particularly in challenging areas, to acquire sustainable livelihoods through hands-on skilling, fostering equitable growth.

- Skills are integrated into the curriculum of all educational programs through elective courses and domain specializations, which help build career pathways in the industry by combining domain expertise with the right mix of knowledge, skills, and attitudes.