VISHNU INSTITUTE OF TECHNOLOGY
(Autonomous)

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada)

Vishnupur – Bhimavaram – 534 202

INSTITUTIONAL STRATEGIC PLAN
2019 – 2024

INDEX

Part – A : Institutional Profile

Dr. B.V. Raju, a visionary who believed in the transformative power of education, founded Dr. B.V. Raju Foundation and Sri Vishnu Educational Society (SVES) with the aim of empowering students and transforming lives. His vision continues to inspire and guide the organization under the leadership of his grandson, Sri K.V. Vishnu Raju, the current Chairman of SVES. The Chairman is supported by a dedicated Governing Body comprising individuals distinguished in their respective fields, committed to advancing education.

SVES oversees a diverse portfolio of institutions across engineering, pharmacy, dental, and life sciences disciplines, with campuses spread across Andhra Pradesh and Telangana. A key initiative under SVES is the **Vishnu Educational Development and Innovation Center (VEDIC)**, a unique training institute focused on the holistic development of students and faculty.

Vishnu Institute of Technology (VITB)

Vishnu Institute of Technology, Bhimavaram (VITB), was established in 2008 under the aegis of Sri Vishnu Educational Society. With a mission to deliver high-quality technical education and foster social transformation, VITB has grown into a premier institution. The institute achieved autonomous status from the academic year 2019-20 and is accredited by the **National Board of Accreditation (NBA)** and **National Assessment and Accreditation Council (NAAC)** with an 'A+' grade.

Aligned with the Outcome Based Education, the **Institutional Strategic Plan (ISP)** provides a strategic roadmap to elevate VITB into a center of academic excellence, innovation, and societal impact.

Academic Programs and Campus

VITB is affiliated to **JNTUK, Kakinada** and operates from a sprawling 100-acre green campus in Bhimavaram. The institution offers a variety of undergraduate, postgraduate, and Ph.D. programs in engineering disciplines, including:

- Computer Science and Engineering
- Information Technology
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Civil Engineering
- Mechanical Engineering

With cutting-edge infrastructure and specialized research centers, VITB is committed to nurturing graduates who are both technically proficient and socially responsible.

Pedagogical Approach: Teaching-Learning, Assessment and Evaluation

VITB follows an **Outcome-Based Education (OBE)** framework to ensure students acquire the competencies needed for industry and societal success. The curriculum emphasizes experiential and problem-based learning, incorporating the latest technological trends. To bridge the gap between academics and industry, the institute facilitates:

- Internships, live projects, and industrial collaborations
- Continuous assessments and feedback-based evaluations
- Industry-specific curriculum updates through stakeholder consultations

The institute's **Industry Relations Office** operates across Hyderabad, Chennai, Bengaluru, Pune, and Vadodara to maintain strong ties with various industries. These offices coordinate placements, internships, R&D collaborations, and academic-industry interactions. VITB actively participates in prominent industry bodies, ensuring it remains a leader in industry partnerships.

Unique Curriculum Features

- Open Electives
- Professional-Electives
- Self-Paced Learning Courses
- Value-Added Courses
- Internship Support
- Bridge and Remedial Courses for Slow Learners

Student Development and Support

The library at VITB serves as an intellectual hub, offering a vast collection of books, journals, and online resources to meet the needs of students and faculty. The institute encourages students to join professional bodies such as **ISTE, SAE, IETE and IET** to foster research and innovation. Economically disadvantaged students are supported with:

- Fee waivers and financial assistance
- "Earn While You Learn" programs
- Sponsorships to participate in conferences and seminars at state/national levels

VITB is proud of its uniqueness in many ways. To mention a few:

- Radio Vishnu 90.4, the only college in Andhra Pradesh state to have FM Radio
- Advanced Robotics Control Lab
- Drones Center of Excellence
- National Instruments Lab
- Alternate Energy Solutions
- Vehicle Design Lab

VITB provides around 1200 capacity of A/C auditorium, Open air auditorium, electricity power backup, computing facilities, RO Plant, water sewage treatment plant, hostels, book store, Bank, post office, photo studio, tailoring shop, car driving institute, ATMs, beauty parlour, convenience store and temples, boat club, swimming pool, TV Academy, Music Club etc. Recreation through mental and physical fitness along with well-equipped gymnasium and dedicated Psychology department with qualified staff provide recreation through mental and physical fitness.

Part B: Institutional SWOC / SWOT Analysis

Strengths

- ✓ *Reputation and Legacy:* The SVES society has established a strong legacy, especially in education sector, with a focus on engineering and technical fields.
- ✓ *Visionary Management:* Proactive leadership ensures transparent governance and strives for continuous quality improvement.
- ✓ *Accreditation and Recognition*: Accredited by NAAC and NBA, reflecting the delivery of high-quality education.
- ✓ *Faculty*: Committed and well-qualified faculty, some with industry backgrounds, ensure excellent teaching and research output.
- ✓ *Hostel Facilities*: Well-maintained hostels provide accommodation for 75% of the student body, ensuring a comfortable residential experience.
- ✓ *Modern Infrastructure*: State-of-the-art laboratories, smart classrooms, and well-equipped residential facilities enhance the learning environment.
- ✓ *Entrepreneurship and Innovation*: Active participation in entrepreneurial initiatives, with incentives to encourage research and innovation.
- ✓ *Cutting-Edge Curriculum*: Industry-aligned programs, internships, and placement opportunities prepare students for the job market.
- ✓ *Strong Industry Linkages*: Collaborations with leading companies provide internships, projects, and placement opportunities through an industry liaison framework.
- ✓ *VEDIC Learning Center*: An interdisciplinary think tank for faculty and student development, promoting innovation, collaboration, and academic leadership.
- ✓ *Student Support Systems*: Comprehensive student support includes mentoring programs, active student clubs, professional body memberships, and psychological counseling services.
- ✓ *Sports Facilities*: A wide range of sports infrastructure is available, including squash, kayaking, and swimming pools, promoting physical well-being.

Weaknesses

- ✓ *Limited Sponsored Research*: The institution has few consultancy and sponsored research projects.
- ✓ *Faculty Development*: Faculty skilling needs improvement to align with emerging industry trends.

- ✓ *Research Output*: Low publication rates and limited patents highlight the need for greater research engagement.
- ✓ *Global Exposure*: Limited international collaborations and student exchange programs restrict global learning opportunities.
- ✓ *Alumni Engagement*: Alumni networks are underutilized for mentoring, funding, and industry connections.
- ✓ *Geographic Diversity*: Most students are from the local region, limiting diversity in the student body.
- ✓ *Higher Education*: A relatively small percentage of graduates pursue advanced degrees.
- ✓ *Reading Habits*: Weak reading habits among students affect their academic performance, critical thinking, and research abilities.

Opportunities

- ✓ *Global Collaborations*: Establish partnerships with international universities to offer student exchange programs and joint research.
- ✓ *Online Learning*: Expand reach through online courses, MOOCs, and distance education platforms.
- ✓ *Industry Collaboration*: Enhance research, internships, and skill development programs through partnerships with industry.
- ✓ *Entrepreneurship and Incubation*: Establish incubation centers and startup ecosystems to foster entrepreneurship among students.
- ✓ *Alumni Involvement*: Strengthen alumni engagement to leverage mentorship, funding, and industry connections for institutional growth.
- ✓ *Professional Body Engagement*: Increase activities under professional chapters (CSI, ISTE, IEEE, IE) and promote access to premium online journals.

Challenges

- ✓ *Student Employability*: Enhancing communication skills and employability of students requires continuous focus.
- ✓ *Regulatory Compliance*: Adapting to frequent changes in guidelines from UGC, AICTE, and other regulatory bodies.
- ✓ *Technological Advancements*: Rapid technological changes require constant updates to the curriculum, infrastructure, and faculty skills.
- ✓ *Funding Constraints*: Limited funding sources necessitate the diversification of revenue streams to ensure sustainable growth.
- ✓ *Retention of Talent*: Competing with other institutions to attract and retain top faculty amid competitive offers.

Part – C : Vision, Mission and Strategic Goals

Vision:

To ignite the minds of the students through Academic Excellence so as to bring about Social Transformation and Prosperity.

Mission:

- ✓ To expand the frontiers of Knowledge through Quality Education.
- ✓ To provide value added Research and Development.
- ✓ To embody a spirit of excellence in Teaching, Creativity, Scholarship and Outreach.
- ✓ To provide a platform for Synergy of Academy, Industry and Community.
- ✓ To inculcate high standards of Ethical and Professional Behavior.

Strategic Statement and goals

To achieve its vision, VITB aims to develop as a hub of innovation and creativity, emphasizing interdisciplinary research, industry collaboration, and global partnerships. The institution will implement strategies that focus on faculty development, curriculum enhancement, financial independence, and community engagement

- ✓ Deliver increasingly high-quality and innovative educational experiences for all students.
- ✓ Provide ample employment and higher education opportunities for students.
- ✓ Recruit, nurture, and retain outstanding faculty and staff.
- ✓ Foster a strong culture of research among students and faculty.
- ✓ Promote community development and advocate for eco-friendly practices.
- ✓ Develop VITB as a hub of innovation and creativity, focusing on:
    - o Interdisciplinary Research
    - o Industry Collaboration
    - o Global Partnerships
- ✓ Implement strategies to ensure:
    - o Faculty Development
    - o Curriculum Enhancement
    - o Financial Independence
    - o Community Engagement

Part –D: Strategic Plan Action

This strategic plan outlines the goals and initiatives of Vishnu Institute of Technology, Bhimavaram from the academic year 2019–2020 to 2023–2024 across various dimensions including academic excellence, governance, research, industry interaction, and community outreach.

Strategic Goals	Short Term Goals (1 Year)	Medium Term Goals (2 Years)	Long Term Goals (5 Years)
Academic Programs & Curriculum Development	• First year of Autonomy, formation of BOS committees for all the departments. • Establishment of R19 Curriculum	• Inclusion of more industry experts in BOS • Feasibility study for new UG/PG/Ph.D. programs • Industry orientation syllabus design • All departments recognized as Research Centers • Adoption of OBE as in the curriculum • BOS reviews & approves updated curriculum • Design curriculum as per all graduate attributes and Expectations of stake holders • Benchmark with industry requirements	• Participation of industry professionals in teaching. • Curriculum revision with industry courses • CBCS curriculum with more electives and verticals based on tech trends • Establishment of new Centers of Excellence (CoE) with start-up facilities • Implementation of advanced industry-aligned curriculum • Introduction of MOOCs/NPTEL/Swayam courses in the curriculum
Innovation & Entrepreneurship	• Formation of IIC & IEDC cells	• Entrepreneurship initiatives under IIC/IEDC • To motivate the students to become entrepreneurs. • More innovation projects and funding support • Encourage more number of "idea to product" pre-incubation activities	• Establish Incubation centers • To support 'Start up' for traditional knowledge • Focus on Start-ups and Product development
Good Governance	• Inclusion of reputed academicians & industry leaders in Governing Body	• Evaluation of institutional performance • Benchmarking with peer institutions • Organizational restructuring for effectiveness	• Decentralized leadership initiatives • Strengthened performance appraisal system
Teaching-Learning Process	• OBE-aligned academic planning • Regular feedback systems introduced	• Increased ICT tools usage; • LMS implementation • Effective utilization of VEDIC training facilities of Teaching learning pedagogy • Internal audits for academic quality	• Special pedagogy training programs • Hybrid learning and flipped classrooms • Internal and external academic audits

Research & Development	• Effective Utilization of existing advanced labs and publish the papers	• Provision of Seed money & financial assistance • Establish a number of recognized research centers • Incentives for R&D achievements • Establish MoUs with industries • Collaborations with IITs, research centers • Promote research culture among the faculty of VITB by conducting more number of training programs	• Fund generation through project proposals and consultancy works • Enhancing and upgrading the existing Centres of excellence.
Quality Assurance (IQAC)	• Strengthen the IQAC system	• Training faculty on quality metrics • Periodic quality checks & feedback	• Best practices documentation • Regular AQAR submission & quality improvement
Industry Interaction	• Formation of Industry-Institute Cell	• Advisory Boards with industry members • CoEs in collaboration with companies • Conduct more number of industrial visits	• Internships, FDPs, guest lectures driven by industry experts • Solving of industry problems
Financial Management	• Implementation of financial policy	• Periodic audits (internal/external)	• Expenditure review & optimization • Financial sustainability through grants & consultancy
Staff Development & Welfare	• Recruitment policy and code of conduct defined	• Self-appraisal system in place • Incentive systems for best performance • Well specified code of conduct and service rules • Effective implementation of recruitment policy • Encourage faculty to register for Ph.D	• Research and innovation support • Faculty exchange and sabbatical programs • At least 40% of the faulty must have Ph.D
Student Development	• Establishment of Skill Development Centers	• Student clubs & committee participation, Identify the slow learners among students and take initiatives to increase their performance. • Segment the students to provide customized training. • Innovation, Rewards & Recognition of student	• Annual Tech Symposiums initiated, • Interaction with experts from • both Industry and Academia • To organize bridge courses • Establish Theme Labs to foster innovation • Mentoring &

		achievements and scholarships	entrepreneurship ecosystem strengthening
Alumni Engagement	• Alumni database creation	• Regular alumni interactions initiated • Recognizing distinguished alumni • Conducting domestic and international alumni meets	• Involvement in lectures/internships by inviting them for alumni talks • Alumni as brand ambassadors for the institute • Increase the number of alumni in alumni forum
Community Outreach	• Identification of villages for extension activities	• Educational support for school children • To continue services to the Society through N.S.S unit	• Health, education & digital awareness camps • Promote community health, hygiene and nutrition • Sustainable village development projects
Accreditation & Rankings	• Strengthen NAAC/ NBA/ NIRF committees	• Work division for accreditation tasks • Verification by external experts • All the eligible departments must accredited by NBA	• Data compilation and report submissions to various national surveys • Targeting NIRF ranking 201-300
Adopt green initiatives for eco-friendly climate	• Promote environment friendly green practices	• Establish water sewage treatment plants • Plant more number of trees	• To take steps towards zero discharge campus • Establish alternative energy sources