

STRATEGIC PLAN AND DEPLOYMENT

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STRATEGIC PLAN AND DEPLOYMENT

1. Preamble:

Technical Education plays a very significant role in the Development of the Society by producing competent Human Resources capable of enhancing Industrial Production and improving the standards of living. Technological Advancement resulted in revolutionary changes in the Teaching-Learning process. Innovative Methods of Teaching have been introduced. Use of ICT in Education has made it easy for the students to acquire their Technical Skills. Adequate exposure to the emerging Trends of Technology is facilitated. Multi-Disciplinary approach is needed to empower the Teachers.

The gap between Academics and Research is to be bridged. This would enable the student to broaden their horizon.

Prasad V. Potluri Siddhartha Institute of Technology (PVPSIT) is a unique Institution which has its own distinct path for Academic Excellence. Since Inception, the Institution has its own distinctiveness and has emerged as an organization of repute. It has been the forerunner in the field in creating new avenues for learning.

PVPSIT is an Academic Institution with Inclination for Research in the areas of Societal needs. In the present globalized scenario, the Institution helps the students to attain Self Reliance and encourages them to attain sustainable Development. PVPSIT is an Institution with state of the Art Infrastructure. The sole aim of the Institute is to impart Quality Education that would result in innovation leading to National Prosperity. The Strategic Plan and Deployment Document is prepared in compliance with the Vision and Mission of the Organization. The strategy of the Institution lays its thrust on four aspects viz. Academic Excellence, Research, Employability and Social Responsibility. It emphasizes the attainment of Quality Objectives, leading to enhancement and sustenance of quality with due importance to the Core Values.

2. Philosophy

The Philosophy of PVPSIT is to maximize the potential of Human Resources and enabling them to explore the Higher levels of Learning that would result in increased possibilities. The Motto “Atma Deepo Bhava” stands as the guiding spirit in maximizing the Human Potential.

3. Vision

To provide rich ambience for Academic and Professional Excellence, Research, Employability skills, Entrepreneurship and Social responsibility.

4. Mission

To empower the students with Technical knowledge, Awareness of up-to-date technical trends, Inclination for Research in the areas of Human Needs, Capacity building for Employment / Entrepreneurship, Application of technology for Societal needs.

5. Quality Policy

At PVPSIT, We commit ourselves to offer Quality professional education in Engineering & Management by adhering to applicable Statutory and Regulatory requirements and through continuous improvement in the Quality of our services by,

- Regular up gradation of Knowledge and Skills of Faculty
- Improving the teaching Methods and Strategies
- Providing state of art Infrastructure
- Recruiting competent Faculty and maintaining prescribed Teacher Student Ratio
- Improving the Employability of Students
- Enhanced Collaboration with Industry and Institutions of National and International Repute

6. Core Values

- i. Value Based Education
- ii. Zeal for Innovation
- iii. Social Responsibility
- iv. Sustenance of Quality

7. Quality Objectives:

- 7.1. To attain Academic Excellence and up gradation of Knowledge and Skill
- 7.2. To foster enhanced Industry-Institute Interaction
- 7.3. To create opportunities for Research & Development
- 7.4. To provide Avenues for Employment and Entrepreneurship
- 7.5. To promote Community Development by inculcating the sense of social responsibility
- 7.6. To relentlessly Endeavour for effectiveness of the system through Internal Quality Assurance System.

7.1 Objective – I

Attaining Academic Excellence through Need based Curriculum and Upgradation of Knowledge and Skill.

Nurturing the inherent potential of the student by providing an environment conducive to learning fosters Academic Excellence. Curriculum Design is to be made based on the requirements of the Industry and the Society. Value added Courses and Certification Programmes would enhance the Quality of Teaching – Learning.

PVPSIT provides all the Facilities required for enabling the Students to acquire all practical skills required to meet the demands of the Industry. The main aim of the Institution is to impart high Quality Education and enable the Students to turn out into successful Professionals. This can be facilitated through continuous Education of the Faculty and Self Learning by the Students. various Innovative Methods of Education including ICT in Education can enrich the Experience of Learning.

Student of PVPSIT has tremendous Opportunities for enhancing his Knowledge and Skill through Internships, Industrial visits, Guest Lectures, Workshops and Conferences. NPTEL courses expand the Horizon of Learning and enable the student to explore new Horizons. Bridge courses enable the students to overcome the gaps in the curriculum Orientation Programmes fine tune the students to the program. Exposure to the Projects and Practices of the Institute would enable the Freshers to orient themselves to Engineering.

The curriculum Design and Revision is taken care of framing of courses designed are coherent to the COs, POs and PSOs. The Course Outcomes are in liNe with Bloom’s Taxonomy. Curriculum is designed to meet the Needs of the Industry and the society. E-learning is encouraged through Digital Library, Faculty Development Programs, Training Programs, Seminars and workshops on emerging areas would certainly create an edge for the students to attain Academic Excellence.

Metrics / Measures

Key Areas	Measures
Revision of Curriculum	Open Electives Courses focusing on practical skill development Stake Holder feedback Continuous Assessment
Infrastructure	Uninterrupted Course Delivery Creation of E-Learning Facilities Provision of LEDs in Class Rooms/Seminar Halls
Innovative methods of Teaching	ICT in Education Online self Learning Resources Student centric Methods.

7.2 Enhanced Industry-Institute Interaction:

Exposure to the Industries would create in the Student a Zeal for Innovation and Invention. Students can acquire various skills through Industrial visits and Internships. They gain awareness on the new areas of Research. Industry-Institute interaction can be made possible through functional MOUs. Industry Personnel may be invited to deliver Guest Lectures and Resource Persons from Industries may be drawn for organizing Workshops. New areas of Knowledge may be explored. Students can gain exposure to product design and delivery.

Metrics / Measures

Key Areas	Measures
Industry-Academic Partnership	No. of Collaborative Programmes No. of Workshops
Linkages with Industry	Functional MOUs
Practical Skill enhancement	No. of Industrial visits No. of Internships

7.3 Creation of opportunities for Research and Development

Globalization has led to increased need for Research. Research plays a vital role in the societal development. The Institution addresses all the challenges the students face with regard to Research and Development by providing well equipped Laboratories. The needs in the Local Society are identified to promote Need based Research. Research Centres are established, Research Groups are formed, Model Expos held to create a Passion for Research. Application of Technology for Societal needs, Local Agricultural requirements are the Areas of Focus.

Research Groups are formed recognized Research Centres are established. Seed Money is provided. All necessary Support is extended to apply for Funded Projects. Faculty are encouraged to attend Training Programmes, visit renowned Academic Research Centers.

The Institution aims at identifying the problem, identifying the Resources needed, hold discussions on emerging Technologies, submit project proposals, execute in-house Student Projects. The effort may lead to Research Publications.

Incentives may be provided for Quality Publication in referred National/International Journals.

Metrics / Measures

Key Areas	Measures
Research Publications	No. of Papers published in National/International Journals No. of Papers presented in National/International Conferences Faculty as reviewers of Journals
Research Centers	No. of Recognized Research Centers Faculty recognized as Guides No. of Ph.D. scholars guided Memberships in Professional Societies Research Grants

7.4 Providing Avenues for Employment and Entrepreneurship

Training and Placement Cell caters to the Training needs of the Students. Industrial needs are identified and the required skills are imparted to the students. Special Training Programs on Technical Skills, Reasoning and Aptitude, Communication Skills make the students ready to meet the requirements of the multi national firms. Company specific training provides necessary inputs to the students to aim for high package Companies. Reputed Industries visit the Industries to conduct Campus Recruitment Drives. Mock Interviews give the Student an added advantage and instills necessary confidence.

Entrepreneurship Development Cell provides necessary Training and Mentoring. Awareness is made through Awareness Meets, Guest Lectures, Seminars, Workshops, Business Plans and Skill Development Programmes.

Metrics / Measures

Key Areas	Measures
Employment	Training Programmes held No. of company specific trainings held No. of students recruited No. of students offered High Package
Entrepreneurship	No. of Awareness Camps No. of Start Ups No. of Idea Contests

7.5 Promoting Community Development by inculcating the sense of Social Responsibility

The focus of the Institution is to see that the Students turn out to be responsible Individuals involving themselves in Community Development Projects and applying Technology for Societal Needs. Professional Ethics and Human Values, involvement in co-curricular and extra curricular activities, exposure to Cultural Diversity, Personality Development sessions make the student evolve himself as the trained Technocrat desirous of solving the societal problems and serving the society. Human values such as Empathy, Compassion, enable the Student to be useful to the society.

The Locational Advantages and Disadvantages are addressed through application of Technology. Cost effective Technologies are used. The Institution believes in societal development through various community development projects by involving students and inculcating in them the sense of social responsibility.

Metrics / Measures

Key Areas	Measures
Community Development Programmes	No. of Blood Donation Camps No. of Plantation Programs No. of Service Camps No. of Programmes conducted under village adoption
Application of Technology for societal needs	No. of Digital Literacy drives No. of products designed to address the local needs

7.6 Institutional Effectiveness through Internal Quality Assurance System.

PVPSIT continuously strives to attain Assurance of Quality in all aspects. It constantly reviews its processes, procedures to arrive at a coherence with its vision and mission. To provide necessary Support to the key areas of Strategic Plan, it ensures the effective utilization of Human Resources and optimal use of Financial Resources. Continuous monitoring of the Success Indicators, Review of all the processes pave way for attaining quality.

Knowledge and Development of intellectual Acumen would make the Students well equipped with skills required for contributing to the societal development. The students of PVPSIT can play a major role in the transformation of society by entering into their professional roles. They would be endowed with all Qualities required to fulfil their Responsibilities. They can play a significant role as decision makers. They can contribute to Technological Innovation.

To reach the Goals and fulfill the Vision, the Institution needs to work effectively. The Institution lays constant effort to have the Skills and enhance the Technical and Non Technical competencies of students by fostering a Congenial Environment with high Ethical Standards. The following procedures are adopted to sustain Quality.

Transparency in all its functions

Maintenance of Quality Standards

Sustenance of quality.

Academics, Research Activities, Placements, Entrepreneurship, Community Development Activities are closely monitored to ensure Quality.

Talent is recognized and retention of Faculty is given top Priority. Opportunities for Professional Growth, Collaboration are facilitated. Quality improvement is done through enhancing their Qualification, Quality Improvement Programmes, Leadership Development Programs, Workshops, Seminars and Conferences.

Opportunities for Industrial Training are provided to the students for enhanced practical exposure. Orientation Programs, Certification Courses, Linkages with the Industry, use of ICT in Education, well equipped Teaching-Learning tools facilitate quality. Above all, the Institution gives utmost priority to fulfilling its Social Responsibility.