



VIGNAN'S INSTITUTE OF ENGINEERING FOR WOMEN

Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada
Accredited by **NBA** for UG Programmes of EEE, ECE, CSE & IT
ISO 9001: 2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

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VIEW



STRATEGIC PLAN 2021-25

*“The very spring and root of honesty and virtue lie in
good education”*

-Plutarch

1. Introduction

Knowledge is recognized as the main feature for economic growth and development of global economy, coupled with information and communication revolution. Technical education plays a vital role by creating skillful engineers, enhancing industrial productivity and improving the quality of social life. Technology impact created novel methods for classroom teaching and learning process. Many intellectual, social and practical problems require Inter-disciplinary approaches. It is necessary to empower the teachers to stay abreast of current and future trends in both the academic and research frontiers. Curriculum orientation synergizing between academics and research, reengineers the student strengths to think out of the box and exploring the new horizons.

The Institute has a well-defined structure for strategic planning and overall Management of resources. The Institute has prepared its own set of Strategic Plans to fulfill academic development of the institute, extra-curricular activities, sports, culture and defined targets for the utilization of infrastructural facilities of the institute. These targets have been set with extensive consultation with all stakeholders, staff, faculty, alumni, management and the industry.

Strategic Development Plan is drawn in light of the institutional vision and mission. Major thrust areas and actions are identified in the Strategic Development Plans. Excellence in academics, research and training and placement will automatically lead the college becoming a Centre of Excellence, which is the ultimate goal of the Strategic Plan. In order to attain this goal, the Institute has set into motion the committed academic and administrative community and focus on catapulting the 13-year-old college into the top notch position in the State of Andhra Pradesh and also at the national level.

2. Vision

To be a leading institution of women empowerment producing internationally accepted professionals with psychological strength, emotional balance and ethical values.

3. Mission

- M1: To empower women engineers through innovative teaching-learning practices.
- M2: To encourage for higher education and research with well-equipped laboratories.
- M3: To promote entrepreneurship through creativity and innovation.
- M4: To promote environmental sustainability and inculcate ethical, emotional and social consciousness.

4. Core Values

1. Eco Friendly campus:

VIEW supports eco-friendly environment through facilities that range from a splendid lush green campus to world-class green-building infrastructure. VIEW encourages innovative energy and water efficiency measures for a resource-efficient future.

2. Community development:

VIEW empowers the under-privileged and the socially disadvantaged sectors of the community by offering Training and Development in **Employability Skills and Entrepreneurship Initiatives** with the participation of the community and in collaboration with the Government and Corporate.

3. Global Vision:

VIEW plans and performs with a global vision. To become an Institute of great repute, in the fields of Engineering, Technology and Management studies, by offering a full range of programmes of Global standard to foster research, and to transform the students in to Globally competent personalities.

4. Moral Integrity:

VIEW believes that without a sense of proportion there can be neither good taste nor genuine intelligence, nor perhaps moral integrity.

5. Quality Policy

To impart instructions and training of international standard in an environment conducive to an effective teaching and learning process with a goal to continually develop the institution as a trendsetter in the academic field and a Center of Professional Excellence with emphasis on Character, Health and Education. To synthesize and analyze the potential needs of the society and the global market and to mould the rural youth to practice engineering profession with confidence, courage, competence and integrity, achieving continual improvement and universal acceptance.

Quality Objective

- 1) To provide our students technical knowledge and hands on experience by providing quality education system through Theory and Practical Classes including latest e-learning practices.
- 2) To impart necessary training for acquiring the soft skills and thus make them employable while in campus.
- 3) To empower our Faculty and Staff to update their knowledge from time to time for facilitating our students in their learning process.
- 4) To achieve excellent results for our students both in academics at the College / University Level and also on Campus Placement.
- 5) To continually improve our Quality Education System through customer satisfaction duly monitoring their feedback from time to time.

6. SWOC Analysis

Strength

- ✓ Learning oriented ambience with academic discipline and dedicated faculties
- ✓ Visionary Leadership with highly qualified and efficient faculties
- ✓ High success rate in university exams
- ✓ State-of-the-art Infrastructure
- ✓ Advance campus facilities and equipped laboratories in all department
- ✓ Special mentoring for personal attention and to keep track of students' progress

- ✓ Open spaces, lawns and gardens in campus supplement to elevate the grandeur of the environment and provide calm, peaceful and conducive atmosphere for academic pursuits
- ✓ Festivity campus environment with wide co-curricular and extra-curricular activities

Weakness

- ✓ Less number of faculties with doctoral degree and industry experiences.
- ✓ Unable to execute innovative plans due to impediment of financial resources due to delay in government procedures for reimbursement of scholarship and tuition fees.
- ✓ Lack of Industrial Consultancy
- ✓ Inflexibility of academic structure and curriculum
- ✓ Student's intake from poor socio-economic background with low entry level scores and poor language competence

Opportunities

- ✓ Strengthening collaboration with industry in research, consultancy, training & internships.
- ✓ To develop research centres in every department and get research grants
- ✓ To achieve NBA, NAAC accreditation and Autonomous institution status
- ✓ To get recognition of UGC 12B
- ✓ To develop partnership and sign MoUs with nearby industries and research organizations to facilitate the students and the teachers
- ✓ Networking with other institutes and organizations
- ✓ To receive Government funding and Research Grants

Challenges

- ✓ Impediment in generating funds from tuition fees due to government delayed procedures.
- ✓ Dismal scenario of engineering field due to slow down in global and domestic market and low preference to private institutes.
- ✓ Retention and recruitment of faculty
- ✓ Student's inclination to IITs, NITs, IIMs and other government institutes.
- ✓ To maintain the higher teachers cadre ratio due to due to scarcity of competent Ph.D. holders
- ✓ To provide cent-percent employment and lack of Involvement of competent industry professionals

- ✓ To achieve 100% admission in all branches

7. Strategic Goals

Strategic goals of the institute were formulated after a brain storming session with Management, Principal and Faculties. After analysing the vision, mission, quality policy, core values, SWOC analysis, internal and external environment, the strategic goals were set up in all possible growth domains.

Strategic Goals of the Institute

1. Enhancing effective teaching and learning process.
2. Ensuring good governance.
3. Ensuring student and faculty development and participation.
4. Getting Accreditations from statutory bodies.
5. Continuous Internal Quality Assurance System.
6. Increasing Industrial and Alumni Interaction.
7. Encouraging Research, Development and Consultancy work.
8. Generating funds and grants from various schemes and policies of government and non-government organisation.
9. Ensuring Social engagement and Community service.
10. Encouraging Skill Development.
11. Enhancing Physical infrastructure, laboratories and other facilities.

8. Strategic Planning and Deployment

The Strategic Plan of the institute is phased at five levels:

- 1.Improving the teaching/learning experience in the campus;
- 2.Strengthening the academic and research domains of the Institute to encourage higher education;
- 3.Extensive training and career guidance in order to improve the employability and promote entrepreneurial initiatives in the students.
4. Committing to all aspects of social, economic and environmental sustainability.
5. Ensuring excellence in Organizational Leadership and governance

Strategy #1: Improving the teaching/learning experience in the campus

Improving the teaching/learning experience in the campus by

- ✓ Strengthening of Outcome Based Education (OBE).
- ✓ Expanding the usage of ICT tools, e- learning resources and in-house course material
- ✓ Improving the course delivery to meet learning & assessment as per Bloom's Taxonomy levels.
- ✓ Enhance and enrich educational opportunities and ensure a focus on the student
- ✓ Introduction of new courses in the emerging areas
- ✓ Improving the quality of Mini Projects and Theme Based Projects for participating in the prestigious competitions conducted by various higher educational Institutions
- ✓ Recruit, retain, and enable a diverse community of exceptional faculty, staff and students.

Strategy #2: Strengthening the academic and research domains of the Institute to encourage higher education

Strengthening the academic and research domains of the Institute through

- ✓ Awareness programmes on funding agencies and apply for Government/ other funding recognitions
- ✓ Encourage faculty having Ph.D to submit project proposals for funding.
- ✓ Training programmes on writing proposals.
- ✓ Incentives for R & D Achievements
- ✓ Encourage the faculty members and the students for collaborative research through the established R & D Cell
- ✓ Monitoring the progress of the faculty pursuing Doctoral programme.
- ✓ Provision of Seed Money and Financial Assistance for research publications.

Strategy #3: Extensive training and career guidance in order to improve the employability and promote entrepreneurial initiatives in the students

Attaining the Employability of the students by

- ✓ Strengthening the training process conducted in-house or through external agency
- ✓ Conducts various interactive talk sessions, seminars, workshops, awareness programmes and Technical Symposium
- ✓ Continuation of academic scholarships for best performers from 1st year onwards.

- ✓ Emphasis to promote entrepreneurial skills and to enhance the student participation in related activities
- ✓ Mentoring system
- ✓ Establishment of dedicated EDP cell
- ✓ Identify interested students for entrepreneurship and Identify mentors from successful entrepreneurs from Alumni/others

Strategy #4: Committing to all aspects of social, economic and environmental sustainability

Developing social, economic and environmental sustainability by

- ✓ Actively participate in community based programs like Swach Bharat, Digital literacy, Blood donation camps, NSS activities and any other such government initiatives.
- ✓ Plantation, Rain water harvesting and green cover
- ✓ Energy harvesting & management
- ✓ Hygiene, solid waste management (zero plastic usage)
- ✓ Reuse of waste
- ✓ Efficient usage of recycled waste water

Strategy #5: Ensuring excellence in Organizational Leadership and governance

Accomplish the excellence in Organizational Leadership and governance through

- ✓ Establishing E-Governance- MIS- Data analysis
- ✓ Setting up of IQAC with internal & external members to audit processes
- ✓ Decentralize the academic, administration and student related
- ✓ Strive for getting:
 - NBA Accreditation
 - A+ Accreditation from National Assessment and Accreditation Council (NAAC),
 - Permanent Affiliation from the JNT University, Kakinada.
 - Autonomous Status
 - UGC 12B status
- ✓ Installation of Solar Power Plant to maintain the eco-friendly environment of the campus since solar power generation has several advantages over other forms of electricity generation

These targets have been set up on the basis of extensive discussion with all stakeholders like management, students, staff members, alumni and the industry.

The entire college is also striving hard to work as a unit to achieve the stated goals with the vision for a sustainable excellence and a practical understanding of the ground realities.