PYDAH COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada)

YANAM ROAD, PATAVALA KAKINADA, 533461, E.G.Dist,

PYDAH
GROUP
EDUCATIONAL INSTITUTIONS

6.2.1 The institutional Strategic/ perspective plan is effectively deployed

Curriculum Development:

As an affiliated college, we participate in curriculum development and planning by attending meetings set up by the Director of Academic and Planning JNTUK. The necessary information is also being gathered from a variety of stakeholders, including alumni, companies that come to the college for placements, and specialists who come on various occasions.

Teaching and Learning:

- Orientation seminars tailored to specific needs are scheduled.
- Exam timetables are adhered to scrupulously.
- There are smart classrooms available with ICT facilities.
- New NPTEL certification classes are offered as MOOCs.
- Student reviews of the faculty are kept up to date.
- Student internships are being arranged.
- Slow learners are assigned to remedial classes.
- The use of outcome-based education is underway.

Examination and Evaluation:

Every semester, in addition to university-end exams, two highly confidential internal exams are administered in accordance with university policies.

Research and Development:

- Research-focused projects are recommended for students to complete.
- Resources like Journals, the internet, digital learning materials, computers, software, and other resources are given to conduct study.
- The cell offers all the essential advice by recommending different funding organizations that give a financial contribution.
- It promotes submitting applications for outside supported research initiatives.
- Faculty are encouraged to enrol in doctoral programs by authorizing leave and providing financial aid assist as required by law.
- Faculty and students are given financial support for presenting research papers, attending conferences, workshops, etc.

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Library, ICT and Physical Infrastructure / Instrumentation:

➢ A sizable number of volumes in the library's collection satisfy the needs of both instructors and students. Every year, more volumes and new titles of textbooks are added by assigning the necessary funds to buy books and journals.

➢ A board room and seminar hall facilities are set up.

➢ Appropriate lecture halls, tutorial rooms, and seminar spaces with a positive academic atmosphere are offered.

➢ The necessary number of laboratories with cutting-edge equipment is available.

➢ The necessary computational resources, including enough computers and peripherals, are available.

➢ A range of facilities, including cafeteria, outdoor and indoor gaming areas were available.

Human Resource Management:

➢ Eligible academic staff members are hired through announcements published on websites and in major national newspapers.

➢ Procedures for self-appraisal are being implemented to evaluate the yearly performance of the faculty.

➢ To provide direction for new faculty members, induction training is held.

➢ Research endeavours, conference presentations, and publication of articles in reputable publications.

➢ Participation in FDPs, seminars, and workshops at various industries and institutions programs is encouraged for faculty members.

Industry Interaction / Collaboration:

➢ The institution has an I to I cell for on-going industry-related activity execution.

➢ Industry professionals are giving guest lectures to professors and students.

➢ Students are assigned to industries for project work, internships, and visits in order to gain knowledge of the capabilities and demands of the industry.

Admission of Students:

• Admission policy is made by the APSCHE.

• 70% of the admissions are filled by convenor, APEAPCET and the remaining 30% quota of management are filled by the institution.

STRATEGIC PLAN

(2023-24)

Contents

Preamble

Technical education is crucial for the country because it advances industrial production, creates jobs, and advances technology—all of which enhance social life quality. In addition, knowledge is acknowledged as the primary component of the information and communication revolution as well as the expansion of the global economy. The impact of technology gave rise to innovative approaches to teaching and learning in the classroom. In the field of technical education, Pydah College of Engineering is the leading institution, providing top-notch professional education for almost 15 years.

Pydah College of Engineering was founded with the goal of advancing high-quality professional and technological education. The institution offers cutting-edge, career-oriented undergraduate and graduate programs that meet the demands of business and society at large, thanks to the assistance of committed and experienced faculty members and a state-of-the-art campus with cutting-edge teaching and research facilities. Pydah College of Engineering was founded in 2009 with the goal of bringing his noble ideal of providing technical education into reality and it began operations from 2009 onwards.

Pydah College of Engineering

Vision

- To equip the students to face both professional and technical competition across the globe with complete confidence and the necessary skills.

Mission

- To impart value-based education by integrating holistic teaching and learning with innovative practices.
- To make students compete in the changing global scenario to realize their dreams.

To create a conducive environment for the students to acquire skills beyond the curriculum in their interested areas

Core Values

High standards and ongoing development

The College constantly aspires to excellence in all of its endeavors. Additionally, it aspires to constant improvement across the board and will gauge its success using relevant national benchmarks.

Learning and growth of students

The College is an organization focused on its students. It aims to offer top-notch educational opportunities as well as a campus community that fosters positive personal growth.

Community and institutional integrity

The College aspires to establish enduring partnerships founded on justice, integrity, and decency. Additionally, it works to create a secure atmosphere that upholds diversity, encourages freedom of inquiry, and promotes wellbeing.

Innovation within institutions and entrepreneurship

The College works to reduce all forms of institutional inertia, costs, and bureaucracy. It will also make an effort to take reasonable risks in search of opportunities.

Service and stewardship
The College works to promote a service-oriented mindset and a philanthropic way of life, all the while exercising responsible stewardship over its resources.

Objectives

The institution has a well-defined strategic plan with the following objectives.

- Introducing popular courses into the curriculum will help you achieve academic excellence.
- Curriculum with an Industry Focus and Outcome Base.
- Encouraging research and development endeavours.
- The creation of an incubation center
- Increasing the intensity of skill-building initiatives
- Reinforcing the infrastructure
- Increasing Programs for Faculty Development
- Building facilities for sports and culture
- Increasing employability through the work of the Training and Placement Cell.
- Adding more learning resources to libraries
- Carrying Out Green Initiatives
- Solar energy production
- Enhancing connections with former students Promoting Entrepreneurship
- Wi-fi connected campus
- Strengthen the Industry Institute Partnerships
- MoUs with renowned institutions and organizations are increasing.
- Providing welfare measures to faculty and staff to encourage them.

SWOC

Strengths:

- Conducive environment for education (Noise free, pollution free Green Campus).
- We impart academics along with the human value is being our slogan
- We maintain strong curriculum.
- We are encouraging students to participate in state and national levels.
- Close relationship between students and academic affairs professionals.
- Team work of faculty and staff.
- Willingness to recognize weakness & make improvements.
- We have voluntary organizations like National Service Scheme (NSS) and National Cadet Corps (NCC).
- Student's get facilitated environments like seminars, workshops, teaching communities, student organization.
- Produce knowledgeable graduates from rural areas with high earning power.
- Students are motivated to participate in extracurricular activities, technical fests and cultural programs.
- Students are having interaction sessions with various resource persons from various Extramural Colleges

Weakness:

- Our campus is little bit far away to the township.
- Many of our students are coming from the rural areas with poor economic background.
- Most of the parents of our students are uneducated.
- Majority of students are lack of communication skills as they are from rural areas.

Opportunities:

- Taking the socio – economic background of the student community there is a scope to Focus on pedagogy for seamless transfer of knowledge from the faculty to the students.
- Prior attention is to initiated to make pupil very strong in competitive side
- Strong Alumni to facilitate future engineers with industrial opportunities.

- To enable students towards techno-curricular aspects

Challenges:

- Enhancing the communication and employability skills of the students has become a major challenge in the present day industry requirements.
- Low level schooling became a hinder to reach the pupil to their dreamed destinations.
- Lack of resources, limited personal time, working toward long-term goals, conflicts and student excuses, and so on.
- Recession influences adverse challenges to place students in the right opportunities.

Institutional Strategic Plan

The enthusiastic staff at Pydah College of Engineering formulated the institution's strategic goals following numerous deliberations and planning sessions, with guidance from the institute's Quality Policy, Mission and Vision, Core Values, stakeholder expectations, and SWOC analysis.

Institution Strategic Goals:

- To adhere to a successful process of teaching and learning
- To rank among the top universities providing technical education in light of the demands of the modern workforce and society.
- Creating and implementing participative management and leadership.
- Providing sound governance; establishing an ongoing internal quality assurance system.
- Ensuring the growth and involvement of students; ensuring the welfare and development of staff.
- Increasing alumni interaction and participation, outreach activities, developing financial management.
- Instilling an innovative and start up culture.
- Fostering an entrepreneurial climate on campus.
- Encouraging research and development work.
- Increasing engagement in community services and activities.

Table -1: Components of Strategic Plan and their Deployment

	Stategic Plan	**Attainment Status/ Deployment**
Teaching Learning Process	1.Academic Calendaring	College academic is prepared for the effective of the schedule in advance
	2.Adoption of innovative teaching aids	Staff engage classes using ICT facilities and PowerPoint presentations for a better understanding of subjects

	3.Encourage students with self-learning and e-learning.	flexibility is given to the students to study professional elective courses and open elective courses
	4.Project-based learning	Students are encouraged in project-based learning
	5.To offer interdisciplinary courses.	The institute encourages the students to pursue Interdisciplinary courses as part of National Educational Policy 2020 (NEP- 2020). The students will have a choice to choose any courses from the list of courses offered by the Engineering and Humanities departments as open elective courses.
Infrastructure Development	1.To equip all classrooms and laboratories with LCD projectors and smart boards in seminar halls	Two classrooms from each department & labs equipped with LCD projectors and all the seminar halls equipped with LCD projectors and public addressing system.
	2.To upgrade the existing internet bandwidth	Internet bandwidth is increased from 100 Mbps to 120 Mbps.
	3.To provide wifi internet facility to all the department blocks and hostels	Wifi internet facility is provided in the entire campus including hostels.
	4.To establish incubation center.	Incubation center is established recently in 2024.
Strengthening the faculty	1.To ensure academic and research ambiance on the campus with 50% of the faculty having Ph.D. qualifications.	Try to encourage staff to enroll for Ph.Ds.
	2.Faculty participation in FDP/workshops to update their knowledge with current technological changes.	More than 60% of faculty attended FDP/workshops to enhance their knowledge.
	3.To encourage the faculty to publish papers in reputed journals and conferences.	Most of the faculty published papers in indexed journals and reputed conferences.
	4.Faculty participation in faculty exchange programs.	Senior faculty members of each department are actively participating in faculty exchange programs.
R& D Cell	To enhance the MoUs with premier instituitions and research organizations.	Pydah had signed MOUs with industries for technology transfer and knowledge sharing.
Student Support Activities	1.To conduct technical events constituting seminars, workshops, and certification courses	More activities were conducted to improve the skills of the students.
	2.Student participation in Project Expos and Hackathons have to be increased.	Students are participating in Project Expos, and Hackthons actively every year.
	3.Student registration for internships	Internships are made mandatory as per the UG and UG regulations.

	4.Participation of students in sports and cultural events at the state and national levels.	More no.of students participated in sports and cultural competitions at State and National Level.
Student Career Development	1.To ensure more number of placements for all eligible students.	Most number of eligible students were placed.
	2.Arranging pre-placement training and conducting mock tests.	Pre-placement training and mock tests are being conducted regularly.
	3.To conduct awareness programs on abroad education	Awareness programs on abroad education are conducted frequently.
Social Engagement and Community service	1.Encouraging students to participate in social activities.	NSS unit regularly conducts Blood donation camps, Medical camps, etc., with the help of local organizations.
	2.Students visit surrounding villages for awareness programs on various government schemes.	Under Unnat Bharath Abhiyan Program, the students are visiting surrounding villages and create awareness of various schemes. Community Service Projects are made mandatory as per the academics.
	3.Visits to government schools, old age, and orphanage homes.	NSS unit arranged visits to old age and orphanage homes to help needy people.
Entrepreneurship and Incubation	1.Strengthening ED cell activities by arranging guest lectures by industrialists	ED cell conducts regular Entrepreneurship Awareness programs and also arranges guest lectures with eminent industrialists.
	2.Visits to industries	ED Cell arranged industrial visits to the students.
	3.Establishment of Incubation Centre	Incubation center is established recently in the institution

Implementing and Monitoring a Strategic Plan

The strategic development plan's implementation comes next after it has been approved. Periodically, during implementation, the strategic plan's progress is assessed. The Principal will oversee the deployment and execution of the strategic plan in collaboration with the HoDs, members of the Governing Body, and other team members.

Implementation at Institute Level

Implementation of various components of the strategic Plan is shown below:

Governance & Administration	Chairman & Members of GB, Administration Office
Statutory Compliance	Principal, HODs, Committee Coordinators
Infrastructure (physical)	GB, Secretary Trustee Board
Infrastructure (Academics)	Principal & HODs
Teaching-Learning	Principal, Dean, HODs, Faculty
Research & Development	Principal, HODs, Dean

Students Development	Principal, Dean & HODs
Departmental Activities	HODs and Faculty
Training & Placement	Principal, TPO & HODs
Quality Assurance	IQAC team

Monitoring of Strategic Plan

IQAC periodically reviews the strategic plan to ensure that it is being implemented as intended. A thorough progress report will be prepared and presented by the coordinators of the various committees and HODs during the review meetings. The independent IQAC is responsible for benchmarking quality standards, monitoring them, and evaluating attainment. The Principal is informed of the results by the IQAC. The above will suggest the necessary procedures, the deployment of resources, and corrective actions after a careful examination of the results and the IQAC report. All of these reports will be sent to the Board of Trustees for additional deliberation and action.

Conclusion

The strategic plan preparation is an attempt to create a path that will lead to the realization of the objectives that Pydah has long desired. The creation of a strategic plan alone does not guarantee success; rather, it offers a framework for collaboration that is the result of participatory stakeholder brainstorming. Success and sustainability over a longer period of time are achieved through a dynamic process when strategies are properly implemented through teamwork with good spirit. It highlights the importance of IQAC in guaranteeing the quality of implementation and calls for constant evolution to incorporate the lessons learned during implementation.