

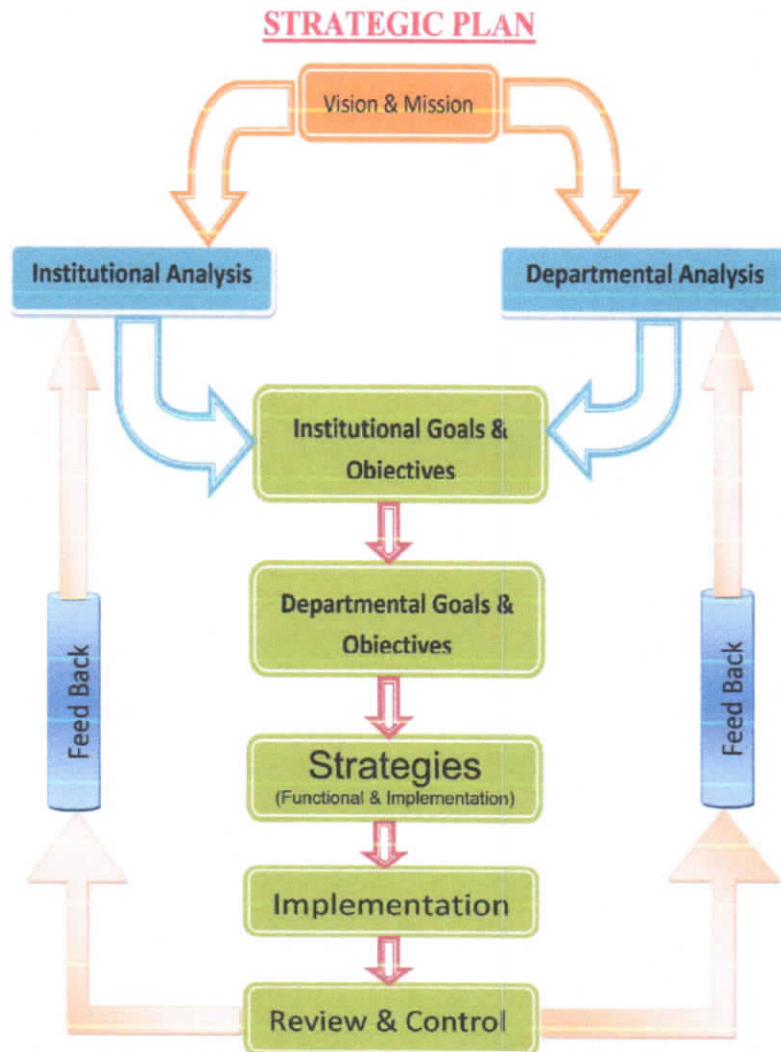


SREE VAAGESWARI EDUCATIONAL SOCIETY
VAAGESWARI COLLEGE OF ENGINEERING

(Affiliated to JNTUH, Hyderabad.)
(Approved by AICTE New Delhi & Recognised by the Govt. of Telangana State)

6.2.1 The institutional Strategic/ perspective plan is effectively deployed

Institutional Strategic/ Perspective Plan



[Handwritten Signature]
Principal
Vaageswari College of Engineering
KARIMNAGAR-505 527.



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Strategic Plan of Vaageswari College of Engineering:

2012-2017	2018-2023
	NAAC
ISO	Centre of Excellence
NBA	IPR Cell
Alumni	R & d Centers
One e-Class room in each department	Digital Payments
Centres of excellence	Autonomous CCC System
Entrepreneurial Development Council (EDC)	Organize Labs Using Emerging Technologies
Woman Welfare Cell	Incubation Cells
Industry Collaborative Projects (Research & Development)	ERP
Grievance Redressal Committee	Student Motivational / Empowerment Cell
	All Class rooms/Labs with LCD
	Upgrading Internet Bandwidth
	Rainwater Harvesting

I. Imparting Quality Education

a. Quality Engineering Education is the main motto of this Institution and is ensured through qualified, experienced and committed members of the faculty:

Quality of the faculty is maintained as per the norms of the approving body and the affiliating university as well as the standards of the Institution. Institution strives to enhance the standards of the faculty by continuous learning and skill up-gradation through Faculty Development Programmes, Workshops. Faculty Development Programmes are conducted during every semester on recent topics and current technological trends to prepare themselves ahead of the change in Curriculum. All faculties are motivated to undergo online courses offered by IITs through NPTEL. Faculty members are encouraged to pursue their research work and publish their research outcomes in national and international Conferences and Journals.


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b. Imparting Placement training:


For first year students, training programs like soft skills and interactive communication skills are taken. Aptitude training is given for the second year and third year students to enable them to prepare themselves for the placements lined up during the seventh semester. Technical training is conducted for the students from their 5th semester onwards to ensure their placement readiness. Expert trainings for 30 hours to 90 hours on aptitude, verbal, soft skills and technical are organized according to the expectations of the Industries.

c. Technical Clubs:

Technical Clubs at Vaageswari College of Engineering are unique of its kind and is a platform focusing on equipping the students with the necessary expertise in the domains of the students' interest. Through these technical clubs, seminars, Industry Expert Interactions, workshops and Guided self-learning sessions are arranged to enable continuous learning in the respective technologies. Alumni and higher semester students will guide the juniors in learning and doing projects. Project Exhibitions and various activities including paper presentation, Idea Generation, Quiz, etc are conducted by the student coordinators. Students are getting molded as a whole with the technical knowledge, problem solving skills, analytical skills, presentation, coordination, team playing skills and are becoming ready towards meeting the expectations of Industries. These technical club activities are very much help during placements as the students have a proven track record for their continuous learning and skill development.

Students are groomed in social and event management skills by giving them exposure through various academic and technical clubs. The technical clubs aim to develop the technical skills of the student through

- Industry Expert Interaction.
- Industrial Visits.
- Internal and External Contests.
- Workshops and seminars.


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These activities provide,

- Knowledge exchange platform.
- Mould them with industry based skills.
- Make them globally competent.

These Clubs are also associated with IEEE (Institution of Electrical and Electronic Engineers), Computer Society of India (CSI) and Indian Society for Technical Education (ISTE) Societies where students are members and are encouraged to organize events towards knowledge exchange by experts from Industries and Academia.

The technical clubs bring out hidden talent and nurture them for career and higher education. These clubs give them dias to exchange technical knowledge, understand diverse cultures, spread spirit of togetherness, develop leadership skills, prepare them to become entrepreneurs and lastly it gives them wings to spread their horizons.

d. Skill Development Academy:

All students and faculty members are encouraged to undergo the online courses provided by IITs through NPTEL on various courses of their interest. Learning initiative through COURSERA has provided the students to undergo various courses that are offered by the most renowned Institutions and Universities across the Globe through Online and earn certificates.

II. Curriculum Development

Vaageswari College of Engineering is permanently affiliated to Jawaharlal Nehru Technological University and adheres to the curriculum prescribed by Jawaharlal Nehru Technological University, following the Regulations of the University. Students and faculty are exposed to recent technologies through

1. Industry Expert Interaction
2. Industrial Visits
3. Internships
4. Projects/ Mini Projects
5. Hackathons
6. Online Certifications


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III. Teaching and Learning

Teaching and Learning Specific pedagogical approaches are adopted through Quality Teaching Methodologies to motivate the students towards self learning traits which are the ultimate requirements of any recruiting company. Conducted a one week Faculty Development Programme on “Pedagogy and ICT in Higher Education” from 13th to 18th May 2019 at Vaageswari College of Engineering, Karimnagar in association with National Institute of Technology Warangal, India.


- Students are encouraged to undertake NPTEL Online Certifications from the Second Year onwards.
- Power point Presentations for vivid explanations
- Animated videos to bring Engineering to reality
- Execution of Mini project to gain practical knowledge
- Seminars to students beyond the curriculum
- Concept a Day to be shared by a student with at least one technological concept
- Role plays by students
- Quiz on topics related to the course
- Online Quiz through modern tools
- Assignments with deadlines and effective utilisation of the Library resources
- Real Time Case studies
- Webinars
- Guest Lectures by Eminent from Academia and Industrialists

IV. Examination and Evaluation

A centralized system is designed to organize Internal Assessment Tests and University Examinations. As per Jawaharlal Nehru Technological University Regulations, the college conducts Internal Assessment Tests with Higher order Bloom’s Taxonomy and also ensures the Course outcomes are satisfied. Two Internal Assessment Tests are conducted for students to examine the understanding level of the syllabus covered in each course as follows,

Internal Assessment Test 1: Unit 1 to 2.5

Internal Assessment Test 2: Unit 2.5 to 5


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Model Examination: Model examinations are conducted for the students to focus on their academics during these tests and also emphasize on the significance of performing well in these tests. The faculty handling subjects for various sections of students of various departments would value the answer scripts as per Jawaharlal Nehru Technological University norms and make the students aware of their mistakes and how to improve their presentation and performance in the ensuing Examination. Parents are also made aware of the performance of their wards by sending SMS to their registered mobile numbers and are called for a meeting for necessary interaction. Internal marks are awarded to the students based on their performance in the Internal Assessment Tests in 2 phases spread across a semester, after which the students are prepared for the End semester University Examinations. Students are also advised to maintain a minimum attendance of 75% to attend the University Examinations.

V. Research and Development

Vaageswari College of Engineering always nurtures the research instinct amongst the faculty and students. Faculty members are encouraged to publish their research or review articles in referred journals indexed under SCI, Scopus and Thomson and Reuters.

Library, ICT and Physical Media

Vaageswari College of Engineering has fully computerized Digital Library and air conditioned with Reference Section, Magazine Section and Stack Area with more than 63,000 text books, reference books, dictionaries, encyclopedia, code books, and data sources books and reference volumes stacked for the benefit of staff and students. A comprehensive, bar coded, computerized library and reading hall equipped with internet connection, email facility, audio video CD and DVD, national and international journals, Technical Magazines and photocopying facilities are also available.

ICT Infrastructure: The digital Library New Gen Lib provides online resources for interested students in Computer Assistant Learning to learn and certify in various courses within and beyond the specified curriculum, such as

1. NPTEL Online Certification Courses from Second Year onwards
2. MOOC Classes
3. Webinars


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4. Video Lectures by Eminent Academicians.

VI. Human Resource Management

Recruitment/ Promotion: Based on the AICTE norms, deficiency of faculty are identified and advertisements are posted in Websites and dailies for efficient recruitment. Interviews are scheduled after scrutinizing the resumes. Selection of candidate is done strictly on the basis of qualification experience. The evaluation of teaching skills, conceptual clarity communication skills and confidence is carried out by the authorities of the recruiting committee constituted by the Governing Council comprising of Experience faculty from various institutes like IIT, NIT etc. for finally selecting the best talent for the organization. The recruitment procedures, service rules and promotion policies are made transparent and employees are benefitted.

General Welfare Schemes:

- Preference is provided for wards of faculty studying at the college.
- Group insurance is provided for all the staff in case of emergencies.
- Food and Transport facilities are provided to the staff at nominal cost.
- Salaries are credited to bank account of employees.
- Non-teaching staff are provided with Provident Fund facility.
- For professional development of the faculty member, the institute delegates the faculty and staff to undergo development programs outside the institute, provides technical resources and financial assistance to undertake such development programs.
- Institute provides financial assistance and encourages staff to undergo higher education and it also backs them in publishing research papers in national and international conferences and journals.

Faculty are felicitated and recognised for their academic achievements and for implementation of special initiatives.

VII. Industry Interaction / Collaboration

The college always introduces new and updated initiatives in bridging the gap between the Industry and academia. In this direction, the college has signed Memoranda of Understanding

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with various industries to ensure Training, Internships, Guest Lectures, Industrial Visits, Faculty Development Programmes and Recruitment of students.

VIII. Empowering the youth by providing professional leadership

a. Activity Based Learning

Various activities including Idea Generation, Paper Presentation, Quiz, Poster Presentation, Debate, Singing, Painting Essay writing competitions and Drawing are conducted. Themes like Air Pollution, Technology for Agriculture, Women safety, Drugs Prevention etc. are chosen by student coordinators and the set of activities for the theme are selected by the students. Activity coordinators will coordinate the activities by promoting the activities through social media, peer interactions, interaction with HODs and staff.

b. Project Based Learning

Students are encouraged to do project/ mini projects/internships during every semester to enable them to better understand the concepts learnt in their courses. Mini projects are done by students after completion of sixth semester. All final year students will be doing their project in the eighth semester and they are motivated to do in-house or industry projects. In-house projects are done according to the current research trends and/or societal challenges. Industry projects are done as per the problem statements provided by the respective industries.

IX. Admission of Students

- For under graduate programmes: the students are admitted through central process conducted by a state government body TSCHE (Telangana State Council for Higher education) and Jawaharlal Nehru Technological University.
- For post graduate programmes: the students are admitted through a common entrance test GATE, PGECET and ICET.
- Tuition fee waiver is provided to meritorious students at the time of admission.

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