SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

VISAKHA INSTITUTE OFENGINEERING AND TECHNOLOGY

VISAKHA INISTITUTE OF ENGINEERING AND TECHNOLOGY, 88TH DIVISION, GVMC, NARAVA, VISAKHAPATNAM, ANDHRA PRADESH. 530027

www.vietvsp.com

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

(Draft)

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

VISAKHA INSTITUTE OF ENGINEERING AND TECHNOLOGY (VIET) was founded by "VARAHA LAKSHMI NARASHIMA SWAMY EDUCATIONAL TRUST" at, Narava, GVMC, Visakhapatnam, and Andhra Pradesh in 2008. The campus is housed in a sprawling area of 20 Acres of land. VIET is approved by AICTE India, affiliated to JNTUK, Kakinada earlier and now affiliated to JNTUGV, Vizianagaram, Certified by ISO in the year 2022, accredited by NAAC "B++" in the year 2019 and recognised as a Host Institute for Start-ups by MSME, New Delhi in the year 2022. VIET has 81 MOUs with Reputed Training Institutes such as IIT, Kharagpur; IBM Skill Build Technology Centres and collaborated with industries for imparting practical skills and hands-on experience, encouraging Academic, Practical, Co-curricular, and Extra-curricular Activities. It has 10 UG Courses and 7 PG Courses.

The faculty of engineering is the largest interdisciplinary component of VIET endeavouring in providing skilled professionals. Academic programmes are redesigned to include Multidisciplinary/Interdisciplinary courses as electives. It can be said that our college is proactively working towards implementation and suggestions given in the NEP. VIET has 600 latest configuration Computers with Software Programs. New learning methods, and digital tools, like Massive Open Online Courses (MOOC) and ICT classrooms have been introduced for training and empowering teachers. The Institute has two Libraries which accommodate more than 420 Students at a time. At VIET placement is not an event, it is an ongoing process. VIET provides outdoor, and indoor courts for the students and encourages students to participate in sports. Many students achieved State and National Level championships. Since Quality enhancement is a continuous process, the IQAC will become a Part of the Institution's System that will work towards the realization of the Goals of Quality enhancement and sustenance. IQAC was established on 27-04-2015 The Institute procured the Industrial Automation lab as the centre of excellence as it is useful for the internships for our college students. The NSS was established in the year 2009, with a team of Students from different Departments. Currently, the NSS body has a Student strength of 512 students from UG and 45 from PG.

Vision

To emerge as a "Centre for Excellence" offering Technical Education and Research opportunities of very high standards to students, develop the total personality of the individual, instil high levels of discipline and strive to set global standards, making our students technologically superior and ethically strong, who in turn shall contribute to the advancement of society and humankind.

Mission

To dedicate and commit ourselves to achieve, sustaining and fostering unmatched excellence in Technical Education. To this end, we will pursue continuous development of infrastructure and enhance state-of-the-art equipment to provide our students with a technologically up-to-date and intellectually inspiring environment of learning, research, creativity, innovation and professional activity and inculcate in them ethical and moral values.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Quality Engineering Education imparted to students hailing from rural areas of Andhra Pradesh since 2008 for their social upliftment.
2. Good governance is driven by the expertise and wisdom of eminent personalities. from academia and industry serving on the board of Governing Body.
3. Academic excellence is exemplified by qualified, competent, and committed faculty members. Infrastructure meets the academic research and student support needs.
4. Very good physical infrastructure with well-equipped laboratories, computing facilities with networking, web-based information system, and Wi-Fi campus.
5. Committed faculty members who are young, dynamic and quality conscious with higher qualifications and expertise in various areas of specialization. Student-teacher good ratio facilitates personal attention as in-house faculty members will act as mentors along with the experts from the respective organizations stationed on the campus.
6. An equipped training and placement cell with highly competitive and dedicated faculty to impart CRT to the students from II year onwards to make them help students in getting good placements
7. More than 60 per cent of students are placed in reputed organizations.
8. The college has a Memorandum of Understanding (MoU) with various organizations.
9. Quality internships and projects with the industry Guest Lectures by industry experts by providing in-house internships.
10. The Institute procured the Industrial automation lab as the centre of excellent
11. The willingness of the Management to recognize weaknesses and make necessary improvements for facilitating a win-win atmosphere for students, faculty and staff. The campus is under CCTV surveillance for a Safe and Secure Environment.

Institutional Weakness

1. Slow learning, Student Diversity & Adoptability issues due to rural background students.

2. Switch on New Teaching Methodologies with ICT & Blended Mode of Teaching and Learning System due to Covid -19 pandemic situation
3. Lesser opportunities for interaction and networking with reputed Institutes & Industries.
4. The academic performance of the SC, ST and OBC students needs special care and attention to improve the overall academic rating of the institute
5. The number of volumes in the department libraries needs to be increased.
6. The activities of the institute – Industry cell need to be improved.
7. More effort is needed to obtain state/central govt. funded projects to strengthen the college.
8. The soft skills and communication skills of students need to be improved.
9. More number of students and staff are to be encouraged to paper presentations at various national/international Conferences, Workshops and Seminars

Institutional Opportunity

1. The Industrial Growth & Software Park nearby the college at, Visakhapatnam can provide good internship & placement opportunities to college students.
2. Increase and strengthen internal and external collaborations with other educational institutions and industries.
3. Possibility of MOUs with reputed institutes like IIT, NIT and Industries in India and abroad & to become Autonomous
4. Provide better chances for job opportunities
5. Provide better in-house incubation cell support & opportunities for the students to make them job givers via Entrepreneurial Development Programs
6. Conducting several offline, online training programs via T&P Centre, Departments, EISC, and R&D Cell in order to develop the required skills for all-round development.
7. Provide internship opportunities in various fields of the student's demine
8. To conduct Academic Sand-witch programs with the available online add-on courses.
9. To have MOUs with Institutes of National Importance.
10. Taking the socio-economic background of the student community there is a scope to focus on pedagogy for the seamless transfer of knowledge from the faculty to the students.

Institutional Challenge

1. Emerging competition from local, regional and global private and government institutions and Universities.
2. Fluctuating job market in the country and abroad.
3. Ensuring the quality of the faculty by attracting competent manpower who are willing to take an academic career path.
4. The institution is not able to pursue cutting-edge research due to limited resource funding.
5. The fast pace of developments in technology and emerging new fields leads to more challenges, especially in curriculum offers.
6. There is a need for change in strategies and processes for improving the results of the students.
7. Urgent measures are needed to review the course content to make them relevant to the present-day industry requirements.
8. Inability to quickly adopt and adapt to the requirement of the industry in terms of student knowledge and quality Intake quality of students in terms of language, analytical, thinking, motivation levels, etc.

9. Poor schooling of the students and lack of basic knowledge on some subjects create a problem in the progress of the curriculum Enhancing the communication and employability skills of the students has become a major challenge in the present-day industry requirements.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The curriculum of VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY for undergraduate and postgraduate programs of engineering have been followed as per the rules of AICTE and affiliating university JNTUGV, VIZIANAGARAM, ANDHRA PRADESH and are on top of the vision and mission of the Establishment.

Considering the technological advancements, the curriculum for the undergraduate programs of engineering is shaped and implemented in the form of Humanities, Basic and Engineering Sciences, Mathematics, Professional Core, Management Sciences, and Open electives. The curriculum also includes Mini projects, laboratory and project work, socially relevant projects, employability skills, engineering exploration projects, technical report writing, and training in the latest software and technologies which are offered under technical skills. The core subjects in the curriculum provide technical knowledge in the chosen program. The students are also encouraged to participate in technical symposiums, take up internships, industrial visits, industrial training and certificate programs and involve in NSS events and participate in extra-curricular activities aimed at enhancing their inherent creative talents. In the last 5 academic years, the institute has conducted a total no. of 75 certificate programs and a total of 79.94% of the students participated. The curriculum imparts transferrable and life skills through subjects such as Human Values and Professional Ethics, Environmental science, the Constitution of India, Essence of Indian traditional knowledge, Intellectual property rights &patents, Skills Development courses - Soft skills, Communication skills and Technical skills, Economics, Finance and co-curricular activities which train students in all aspects, striving towards technological and human excellence. In the academic year 2021-22 a total of 80.96 % of the students participated in experiential learning. The success of curriculum design and development towards employability can be measured through an increase in net selections in placements and gradual improvement in the pay package and also by admissions into higher educational institutions both in India and abroad.

Teaching-learning and Evaluation

VISAKHA INSTITUTE OF ENGINEERING AND TECHNOLOGY is well responsive to the reality that the students come from diverse backgrounds with different learning capabilities. The institution identifies the need to present the latest tools, particularly in view of the present generation of students who are natives of technology. According to Andhra Pradesh Government regulations, the admissions procedure is conducted through the AP-EAPCET, AP-ECET for UG and AP-PGCET, and AP-ICET for PG as per Government norms. The Institute maintains a respectable enrolment rate of 63.4% and a respectable reserved category proportion of 93.06. The institute has well-qualified and experienced faculty. More than 10% of full-time teachers are PhD holders. The student-Faculty ratio is maintained as per norms. The Institute maintains a Faculty-Student ratio of 1:11.5. Faculty prepares the teaching timetables earlier as per JNTUK and presently as per JNTUGV academic calendar. The faculty maintains a course file that includes a copy of the syllabus, course objectives, outcomes, notes, question papers with keys, sample answers, assignment scripts and attainments. The Chalk and Talk methods, PPTs, NPTEL Videos, Workshops, Guest lectures by experts from various areas, Flipped Classrooms

and ICT Resources are used in the teaching-learning process to help students for better understanding. In spite of regular teaching-learning methods, the institute conducts different activities beyond the syllabus plan like Mini Project Development, Project Exhibition, Best field work competition etc., The institute has a practice of classifying additional learning capabilities of the students. Remedial and Tutorial classes are conducted for slow learners. Advanced learners are provided with training for GATE, competitive examinations and additional training sessions on cutting-edge technology. An apparent system is used for conducting examinations and evaluation processes. More than 90% pass percentage has been maintained for the last five years. All academic, co-curricular, and extracurricular activities are monitored by the Institute's IQAC, which is supported by senior faculty members. It also makes sure to give faculty members and students all the support they need to improve teaching and learning.

Research, Innovations and Extension

The institute has received 18.25 lakhs in grants from various organizations during the assessment period. Principal investigators are provided with the necessary instructional facilities and resources. The institute has a good ecosystem for providing innovation in the Teaching & Learning process by conducting various active learning methods, which helps in the quick transfer of knowledge. In support of the Teaching-Learning process, the institute established R&D, EDC, IPR cells and 56 National Seminars / Workshops on Research methodology, IPR and Entrepreneurship have been conducted during the assessment period. The institute has a well-structured policy for research promotion. So, there is a significant boost in the number of publications over the last five years leading to a number of more than 250 publications in reputed journals & a good number of faculty have participated in various National & International conferences. Around 50 extension activities were organized during the assessment period. All the departments are actively involved in activities of various wings of the institute which undertaken extension & outreach activities like social awareness, Girl Child Education Women's Health and Hygiene, blood donation camps, Self Defense training for girl students, Swachh Bharath, Tree plantation and gender sensitization programs throughout the year as per systematic plans. The NSS unit has received around 40 wards for participating in various activities. The institute has established 85 collaborations during the assessment period.

Infrastructure and Learning Resources

The Visakha Institute of Engineering & Technology has a dedicated maintenance department responsible for carrying out the maintenance of buildings, classrooms, laboratories, hostels, cafeterias, sports facilities, etc. A maintenance committee is constituted at campus and the campus is spread over a wide area of 14.5 acres in 22560 sqm overseeing the maintenance and upkeep of the physical infrastructure, facilities, green areas etc. The college has adequate classrooms and tutorial rooms with measurements of 66 Sqm, 72Sqm and 33 Sqm approximately. Each room can accommodate sixty students. The e-class rooms are equipped with ceiling-mounted LCD projectors and Laptops to facilitate innovative learning with ICT tools. The institute library functions under the Open Access System having a total collection of 29301 volumes of books with 5445 titles covering all the branches of Engineering, Management, Sciences and Humanities and general books. The digital library has an impressive collection of around 500 CDs, e-resources like DELNET, open-source access like NDL and a collection of e-books.

The maintenance of equipment like Generator Sets, General Lighting, and Power Distribution Systems, in addition, to the maintenance of equipment for water pumping plants, sewage, etc. are undertaken as per their preventive maintenance schedules, and guidelines by the equipment supplier. Cafeteria facilities & services,

Laundry services for the non-residential students of the campus. Further, a fleet of buses and vans is maintained by the transport department of the college. Housekeeping services are outsourced and available on campus 24 x 7. Further, CCTVs and other security equipment are maintained through the IT department by the equipment providers with teaching aids such as LCD Projectors, PA Systems, Desktops, Printers, Wi-Fi etc. Fire extinguishers set up in various blocks, classrooms, labs, hostels, offices, etc. are maintained by Fire & Safety Department. The respective departments conduct a periodic audit to ensure timely corrective action for the proper functioning of the various equipment & gadgets. Facilities Such as Teaching and Research, Laboratory and Computer Labs. Guidelines for operations & maintenance of sports facilities & sports complex at VIET college.

Student Support and Progression

The institution is given primary importance for the overall development and progression of the students. The Induction Program is organized as per JNTUGV guidelines for 1styear students before the commencement of the semester, which includes different modules like awareness of university regulations, attendance, credits, campus rules and regulations, best practices, Anti-ragging, Anti-drug, Women's Grievance Redressal Committee, Internal Complaint Committee, Health, Yoga, career opportunities, Students form Visakha Institute of Science and Activities Center (VISAC) Club for conducting various activities like college program events fresher's the day, leisure activities and ensures the all-round development of students and certification programs to make the students acquainted with the institution and its surroundings. Awareness of different scholarships such as government and nongovernment, Indian Oil Corporation, Naandhi Foundation and Varaha Lakshmi Narasimha Swami Educational Trust scholarships. Remedial classes, tutorials, makeup classes and basic foundational skill programmes for slow learners for the betterment of students and advanced skill-based certification programmes for fast learners are provided.

The institute recognises and encourages meritorious students with rewards and overall toppers are felicitated with cash prizes and scholarships.85.24 per cent of students benefited from scholarships and freeships provided by the Government and Non-Government agencies during the last five years. Institute provides information about competitive examinations and offers career counselling, soft skills training and entrepreneurial skills through eminent resource persons and various NGOs like APITA, Tech Mahendra, Gandhi Foundation, IBM skills build, CSR box etc. to enhance the employable & career opportunity for the students. 75.56 Percentage of students benefitted from guidance for competitive examinations and career counselling offered by the Institution during the last five years. 25.6 Percentage of appeared students who qualified in state/national/ international level examinations during the last five years. Students in the second year are trained on ICT tools, online courses such as SWAYAM, NPTEL courses and various add-on programs. The institution conducts various literary, extracurricular, games and sports activities as part of various celebrations like Women's Day, Youth Day, Annual Day, Sports Day and Techno Cultural Fests. 123 students received awards in sports and cultural competitions. The alumni give support to the students through interaction, financial funding, guidance and placement.

Governance, Leadership and Management

Visakha Institute of Engineering & Technology College has encouraged the academic enrichment of faculty members and gives Outcome Based Education to students with the help of advice given by members of the governing body. Institution implements e-Governance through an ERP in major areas like Administration, Academics, Library, Examinations, Finance & Audit and Student admissions etc., Proficiency Skill Building

will help students to get opportunities in various sectors. The institution provides uppermost importance by making students prepare for job readiness through expert interactions and distinguished personalities from various industries. The institution follows student Proficiency skill upgrade programs through campaigns, guidance & skill programmes where students are mainly trained on the different skills required for Industry. Institute offers a variety of staff-welfare facilities for both teaching & non-teaching staff like Group Accident Insurance, Provident Fund, bus facility, maternity leaves and fee concessions for the kids of employees studying at Visakha Institute of Engineering & Technology. In the last five academic years, Institution has organized 51 FDPs with the participation of 91.05% of full-time staff for professional development and also has offered financial assistance to about 47.3% of the faculties to attend various seminars, workshops and conferences. Financial audits are regularly conducted as a part of financial discipline and transparency. Both External and Internal audits are carried out to monitor the mobilization and optimal utilization of financial funds for academic and administrative purposes. IQAC conducts periodic audits to identify gaps, and shortcomings and recommends various measures to be implemented to improve academic quality and administrative quality.

Institutional Values and Best Practices

The aim of the VIET is to empower women by delivering quality technical education while keeping moral integrity untamed. The Institution initiated more programs for the promotion of gender equality, Gender equality is one of the key challenges facing society today. The institute conducts regular gender equality promotion programs. Guest speakers from the prominent field are invited to speak on the given topic which highlights the importance and contribution of women in society and also celebrates all the National and International commemorative days and festivals. The institution is very conscious about Energy saving and the Environment and did audits such as the Green audit, Energy audit and Environment audit. The Institution has enormous respect for Human values and Professional ethics and is continuously conducting several events to provide an inclusive environment on campus. The Institution identified two best practices, "GREEN CAMPUS" and "FEEDBACK SYSTEM" which would benefit students in different areas. A Green Campus is a place where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices on the campus. The students and staff have planted several tree saplings during various tree plantation programmes organized by the institution through the NSS wing and all these plants are taken care of and maintained by the gardeners of the institution. Care is taken to ensure that the college environment has low levels of carbon emission by providing solar plants, windmills and biogas

The feedback system is to evaluate the existing teaching-learning environment and curriculum and to take appropriate action for the improvement of poor-performing areas. The IQAC of the VIET College has designed feedback proforma according to the State Quality assurance cell covering different aspects such as college administration, Curriculum, teaching-learning process, library, basic infrastructure etc. The Institution always provides an environment that values and encourages knowledge acquisition, gender equality and academic freedom by providing a high standard of technical education for students to enable them to face all challenges of their personal and professional life with courage and confidence.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	VISAKHA INSTITUTE OFENGINEERING AND TECHNOLOGY
Address	Visakha Inistitute of Engineering and Technology, 88th Division, GVMC, Narava, Visakhapatnam, Andhra Pradesh.
City	Visakhapatnam
State	Andhra Pradesh
Pin	530027
Website	www.vietvsp.com

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	V Sridhar Patnaik	0891-2892901	9959617472	0891-2892902	principal.vspt@gmail.com
IQAC / CIQA coordinator	K Chandana	0891-2892903	9963945912	0891-2892904	iqac@vietvsp.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	

State	University name	Document
Andhra Pradesh	Jawaharlal Nehru Technological University Gurajada Vizianagaram	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	03-07-2022	12	New three UG programs are introduced

Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Visakha Inistitute of Engineering and Technology, 88th Division, GVMC, Narava, Visakhapatnam, Andhra Pradesh.	Urban	11.3	18349

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Computer Science And Engineering	48	Intermediate	English	150	125
UG	BTech,Computer Science And Engineering	48	Intermediate	English	30	20
UG	BTech,Computer Science And Engineering	48	Intermediate	English	30	20
UG	BTech,Computer Science And Engineering	48	Intermediate	English	60	31
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	135	57
UG	BTech,Mechanical Engineering	48	Intermediate	English	180	4
UG	BTech,Electrical And Electronics Engineering	48	Intermediate	English	60	4
UG	BTech,Automobile Engineering	48	Intermediate	English	30	0
UG	BTech,Civil Engineering	48	Intermediate	English	60	8

PG	Mtech,Computer Science And Engineering	24	Degree	English	18	3
PG	Mtech,Electronics And Communication Engineering	24	Degree	English	18	4
PG	Mtech,Mechanical Engineering	24	Degree	English	18	4
PG	Mtech,Mechanical Engineering	24	Degree	English	18	4
PG	Mtech,Electrical And Electronics Engineering	24	Degree	English	18	3
PG	MBA,Masters In Business Administration	24	Degree	English	180	122
PG	Mtech,Civil Engineering	24	Degree	English	36	10

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				10				14				113
Recruited	8	2	0	10	10	4	0	14	71	42	0	113
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				146
Recruited	86	60	0	146
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				42
Recruited	20	22	0	42
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	8	2	0	0	0	0	0	0	0	10
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	10	4	0	71	42	0	127
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	299	0	0	0	299
	Female	202	0	0	0	202
	Others	0	0	0	0	0
PG	Male	112	0	0	0	112
	Female	64	0	0	0	64
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		**Year 1**	**Year 2**	**Year 3**	**Year 4**
SC	Male	30	39	8	8
	Female	3	3	17	4
	Others	0	0	0	0
ST	Male	13	12	2	7
	Female	2	3	4	1
	Others	0	0	0	0
OBC	Male	356	443	138	132
	Female	132	102	16	43
	Others	0	0	0	0
General	Male	131	141	32	51
	Female	10	50	40	13
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		677	793	257	259

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	he Vision of the National Education Policy, to provide high-quality education to develop human resources in our nation as global citizens, is well taken by VIET. A discussion among the faculty members was initiated on the key principles of NEP such as diversity for all curricula and pedagogy with technological innovations in teaching and learning, encouraging logical decision-making and innovation, critical thinking and creativity. In view of the NEP, VIET has initiated new interdisciplinary centres integrating different departments in addition to the existing inter/multidisciplinary research and academics. Academic programmes are redesigned to include Multidisciplinary /Interdisciplinary courses as electives. All programmes are designed in such a way that students get maximum flexibility to choose elective courses offered by other Departments. It can be said that our college is proactively working towards implementation and suggestions given in the NEP. The fundamental aim of the National Educational Policy (NEP-2020) for higher education is to stop higher education fragmentation by transforming these institutions into massive interdisciplinary universities, colleges and higher education institutions as Knowledge Hubs. The purpose of VIET, according to NEP standards, is to be accredited by the National Assessment Accreditation Board (NAAC) with a satisfactory grade and to strive for autonomy. In addition, the college's curriculum can contain multidisciplinary programmes. Our Institution, as part of its commitment to holistic and multidisciplinary education, has launched a value-based course on Ethics for B.Tech, M.Tech & MBA. Life skills, as well as yoga sessions for all students, are conducted on campus. Additionally, our students take part in community outreach initiatives such as organizing health clinics, blood donation camp and counselling among other things.
2. Academic bank of credits (ABC):	Academic bank credits are a key component of the NEP-2020 that academic institutions must implement. Integrating Higher Educational Institutions in a globalised space is critical and urgent as we move forward. We have already implemented for our students to take online courses through National schemes like SWAYAM, NPTEL, Coursera etc, and are considering credits earned against

	elective courses.
3. Skill development:	In comparison to other nations, the outcome of the 12th five-year plan predicted that just 5% of Indian workers in the 19-24 age bracket got formal vocational education. The extension of vocational education in India is critical for hastening skill development. The NEP 2020 foreshadows a possibly explosive increase in skill development in the country through vocational education. All Higher Educational / Educational Institutions were expected to provide vocational education as part of their curriculum. Over the next few years, vocational education will be gradually integrated into schools and universities. VIET would walk on with an aim to ensure young students' empowerment and cater to the engineering demands, VIET has a specific plan to follow : 1. In R20 regulation skill courses are introduced in all branches of engineering, with a focus on social inclusion and inclusive education 2. In the R19 regulation also skill course is introduced in all branches of engineering 3. To develop workplace-related skills and attitudes through internship and on-the-job training 4. To focus on the inclusion of good practices and innovations in teaching-learning 5. Facilitating horizontal mobility of vocational students 6. To collaborate with industries for imparting practical skills and hands-on experience and design industry-relevant courses 7. To introduce new learning methods and digital tools, like Massive Open Online Courses (MOOC) and flipped classrooms for training and empowering teachers 8. Developing and implementing a holistic assessment and evaluation system. 9. To measure the achievements of learning outcomes through various tools and methods as defined by an outcome-based education system for 360-degree assessment and evaluation of students.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The promotion of Indian arts and culture is beneficial not only to the country but also to individuals. Because engineering is a professional course, using English as a medium of communication and conducting coursework in all engineering programmes is required. The institution, on the other hand, commemorates significant dates and hosts activities in regional languages to instil a sense of regional pride. Republic Day and Independence Day are two examples of celebrations where students are

	addressed in their native languages. Engineers' Day and Teacher's Day are two of the most important days of the year. Women's Day is a prominent day that is commemorated by cultural events. Christmas, Sankranthi Sambaralu - Rangoli competition, and Vinayaka Chavithi - Vinayaka idols preparation are the festivals that promote awareness of Indian National and Regional languages, as well as the culture associated with them. National commemorative days, such as Constitution Day and Yoga Day are also observed.
5. Focus on Outcome based education (OBE):	Visakha Institute Of Engineering & Technology has adopted outcome-based education in accordance with the standards of the National Board of Accreditation. with clearly stated Programme Outcomes, Programme Specific Outcomes and course outcomes. All courses are designed with outcomes centred on cognitive abilities namely Remembering, Understanding, Applying, Analysing, Evaluating and Creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsibility and ethics, as well as entrepreneurial skills so that students contribute proactively to the economic, environmental and social well-being of the nation. The Course Outcomes (COs) are also aligned with the PO-PSO philosophy. All course syllabi have been designed with due consideration to macro-economic and social needs at large so as to apply the spirit of NEP. Community participation and service, environmental education, and value-based education are all part of an innovative curriculum that includes credit-based courses and projects. Lab exercises, Virtual Lab exercises and mini-projects with a focus on community engagement are included in the curriculum. Professional Ethics & Human Values is a value-based education course that is introduced at the I B.Tech I Semester level. Environmental Sciences is a course that looks at all areas of environmental sustainability. Thus, VIET has various community outreach initiatives such as Student Club, and National Service Scheme (NSS) which cater extension activities to the community.
6. Distance education/online education:	Due to Covid -19 pandemic, educational institutions in the country has increasingly involved in using digital platforms for engaging classes and conducting conferences and meetings. Keeping aside the negative impact of the lack of face-to-face learning,

	online education has broken the geographical barriers creating interaction between experts and students from distant geographies. Opening up of the economy including that of educational institutions has paved the way for adopting the hybrid mode of education combining online and offline resources. This can be considered the new normal, which is envisaged in New Education Policy as well. Due to the experience gained during the closure period of Covid-19, access to online resources by educators and students will not be a constraint anymore. Students are encouraged to do MOOC courses and which promotes online education. NEC has successfully imparted all its course content delivery online mode during the Covid-19 pandemic with tools such as Zoom, MS Teams and Google meet, classroom etc.

19-11-2022 04:04:29

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1576	971	835	966	877

File Description	Document
Institutional data in the prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 123

File Description	Document
Institutional data in the prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
137	140	129	127	134

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

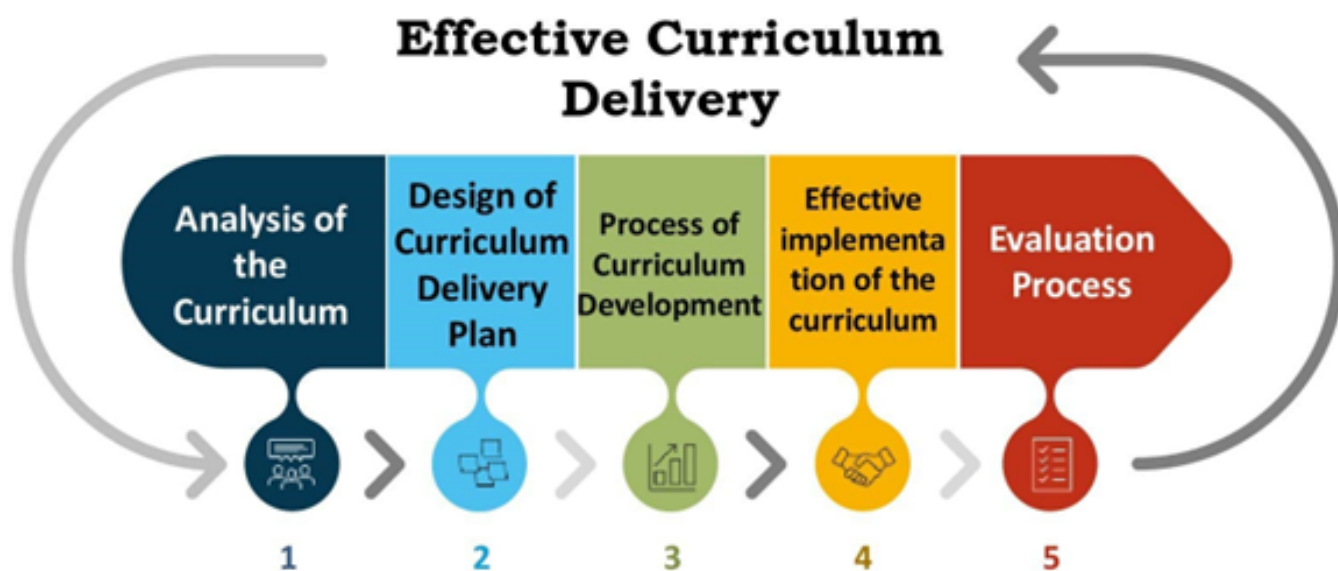| 2021-22	2020-21	2019-20	2018-19	2017-18
633.22	531.88	590.61	523.51	435.09

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

The Visakha Institute of Engineering and Technology College (VIET) is affiliated with JNTU –GV, Vizianagaram follows the prescribed university curriculum and syllabi for UG and PG programs. The University formulates an academic calendar to be followed by all the affiliated colleges. The academic planning includes the schedule of conduction of theory and practical classes, mid-semester internal assessment, end-semester examinations, and display of internal assessment marks followed by vacation. Besides the above curriculum and syllabi the management has adopted many programs and strategies to strengthen the teaching-learning process and for the smooth conduction of effective academic administration in the following ways:

Effective Curriculum Delivery

1	2	3	4	5
Analysis of the Curriculum	Design of Curriculum Delivery Plan	Process of Curriculum Development	Effective implementation of the curriculum	Evaluation Process

Preparation of the college academic calendar in alignment with university prescribed academic calendar, the timetable committee headed by the Principal and HoDs of each department draws up a detailed timetable in which the listed programs that are planned to run in the semester wise in the course for the academic year like bridge course, Value added certification courses, personality development programs, communication, and soft skills programs, and Experiential learning programs, etc., and are monitored by the head of the institution through the department heads. The timetable is also framed with the provision of Add-on Programs, seminars, library hours, and sports. The Internal Quality Assurance Cell (IQAC) monitors the effective delivery of the curriculum through a well-planned documented process. Library facilities are monitored and updated to the requirement of the latest trends and subjects.

It is mandatory for every faculty to maintain the course files which contain a lesson plan, teaching diary, objectives and outcomes, notes, course materials, previous question papers(internal and external), timetables, time-to-time student performance details, etc. Every faculty is assigned the task of mentoring

the students on academic and personal issues and therefore the teacher-student interaction will be strengthened which will help in a better learning atmosphere with better performance. There is regular monitoring by the heads of the department and the Principal for the coverage of the syllabus by the faculty and the student's attendance.

As the management is part of the teaching community they personally monitor the systematic Examination process from setting the standard question papers and the dispatch of the reports to parents. All the adapted curriculum programs such as Guest lectures, Industrial visits, and training programs are an added advantage to strengthen the curricular inputs. During every academic break, the management tries to upgrade faculty teaching skills by organizing Refreshed courses, Expert lectures and meetings, Workshops, and Faculty Development Programs (FDP). Meetings of the principal with the students and parents are other forums where the progress of the delivery of the curriculum is regularly monitored and necessary modifications are initiated. IQAC considers the feedback of students, faculty, and parents for obtaining the best result.

File Description	Document
Provide Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 75

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 79.94

1.2.2.1 **Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years**

| 2021-22	2020-21	2019-20	2018-19	2017-18
1008	737	564	716	1152

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Response:

The institution visualizes and supports the comprehensive development of the students including adequately addressing the sensitive issues related to gender, taking into cognizance to need for human values, professional ethics and environmental awareness.
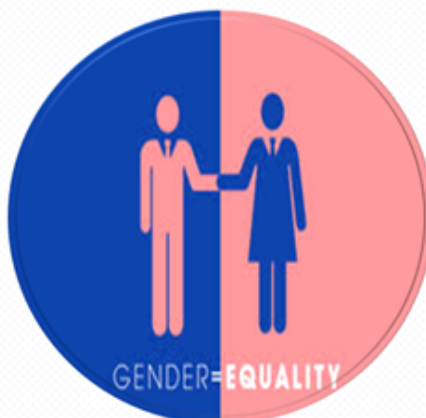
The curriculum of JNTUGV incorporates some of these aspects into its curriculum framework and facilities the realization of these projected objectives of the institution. Such courses include,

- Environmental studies
- Professional Ethics and Human values
- Gender
- Environment and Sustainability
- Indian Traditional knowledge
- Constitution of India

Environmental studies: The environment plays an important role in healthy living and human beings.

- Self-Sustaining green campus, water and waste management, plantation and rainwater harvesting.
- Rural and Urban environmental issues.
- Swachh Bharath, Vanam Manam, Jal Shakthi etc.

Mandatory Course

- Envornment and sustanability
- Human values
- Gender issues
- professional ethics
- Indian traditional
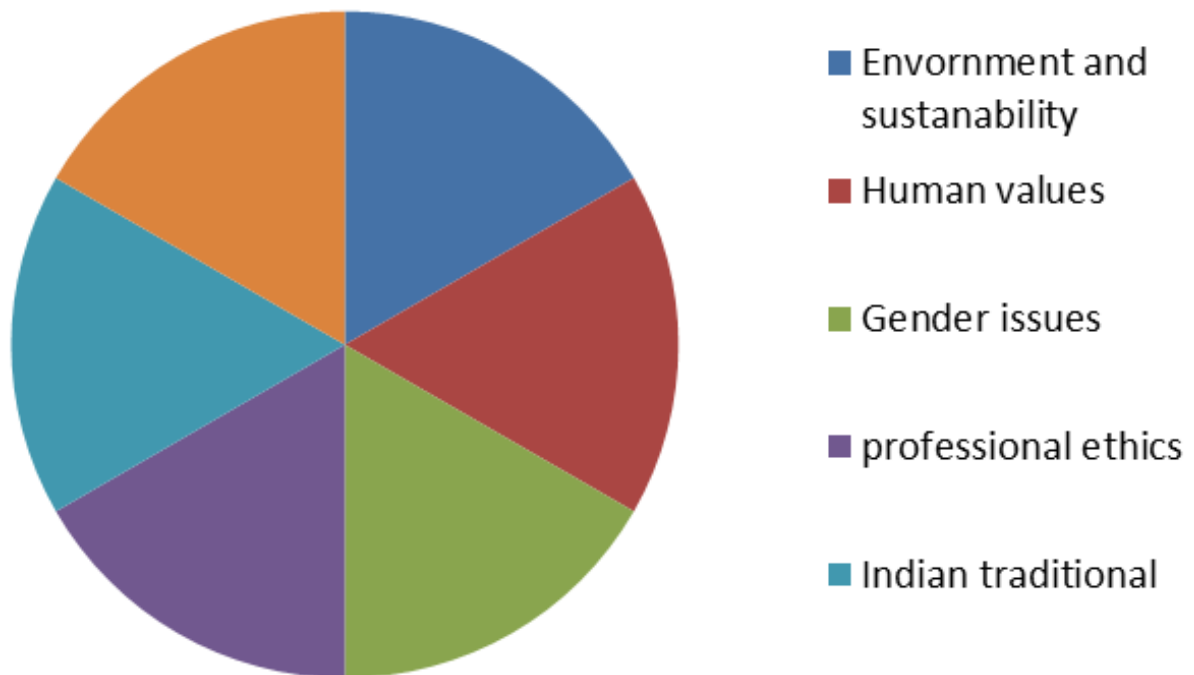
Professional Ethics and Human values: *" Ethics is knowing the difference between what you have a right to do and what is right to do."*

To produce successful professionals who can address societal issues with innovative and improved solutions imparting technical education to JNTUGV, Vizianagaram offers related courses in the curriculum. As per the recent guidelines of AICTE, **Universal Human values**(UHV) are offered as a part of the student induction programme(SIP). VIET is offering these courses in all programmes.

- **Professional Ethics and Human values** course encompass the personal and corporate standards of behaviour expected by professionals.
- The course focuses on making proper judgements, applying their skills and taking informed decisions in any situation in their professional and personal lives.

GENDER: *Gender equality is not a woman's issue. It is a Human issue. It affects us all.*

Equal opportunities for both girls and boys to participate in various academic, co-curricular and extracurricular activities and training programs. The women's Empowerment cell is established in VIET with the objective of empowering girls to handle challenges confidently.

The essence of Indian Traditional Knowledge:

Traditional Knowledge, indigenous knowledge and Local knowledge generally refer to knowledge systems embedded in the cultural traditions of regional, indigenous or local communities. VIET follows that university curriculum in a good manner by celebrating famous festivals on campus. e.g.: Sankranthi

Sambaralu, Ganesh Chathurthi, Christmas festivals etc.

Constitution of India:

"Constitution is Not A Mere Lawyers Document, It is A Vehicle Of Life, And Its Spirit Is Always The Spirit Of Age " - Dr BR Ambedkar.

JNTUGV, Vizianagaram offers **Constitution of India** course in the curriculum.

- To understand the importance of the constitution.
- To understand the structure of the Executive, Legislature and Judiciary.
- To understand the autonomous nature of constitutional bodies like the supreme court and high court controller and Auditor General of India and Election commission of India
- To understand central and state relations financial and Administrative.

File Description	Document
Provide Link for Additional information	[View Document](#)

1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 80.96

1.3.2.1 **Number of students undertaking project work/field work / internships**

Response: 1276

File Description	Document
Institutional data in the prescribed format	[View Document](#)

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

Response: Yes

File Description	Document
Upload supporting document	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 63.6

2.1.1.1 **Number of students admitted year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
677	793	257	259	357

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1041	1041	534	534	534

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the last five years (Exclusive of supernumerary seats)

Response: 93.14

2.1.2.1 *Number of actual students admitted from the reserved categories year - wise during the last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
537	602	185	195	300

2.1.2.2 **Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
552	552	283	283	283

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.2 Student Teacher Ratio

2.2.1 Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 11.5

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

Response:

VISAKHA INSTITUTE OF ENGINEERING AND TECHNOLOGY provides an effective platform for students to develop the latest skills, knowledge, attitude and values to make them promising engineers the nation looks for.

Experiential Learning

- The college has set up a virtual laboratory by collaborating with IIT-Kharagpur to make students have experiential learning in their courses.
- The institute has established a centre of excellence laboratory on the campus to equip students with hands-on experience on the content which is not either to be included in the curriculum,
- Industrial Visits to engage them in experiential learning while visiting the organization.
- The institute has established an online laboratory on the campus to equip students with hands-on experience to enhance their skills with Verilog and Matlab.
- The institute encouraged students to undertake internships Lt Panel Boards Manufacturing Process, Industrial Automation, Automation & IoT, Catia & Ansys, Sheet Metal, Starters, and Starters Equipment.
- Industrial Visits to engage them in experiential learning while Industrial training on Data Science Using Python, Hindustan Shipyard Limited, BHEL, Srisailam Project, NSTL, Bharat Dynamic Limited, Amravati Infra Projects, Anandapuram, Lower Sileru Power House, Mothugudem.
- The institute encourages students to under-go multi-disciplinary projects.
- The institute encourages students to undergo Society and community-oriented service projects to promote students' sense of community service, and social and civic responsibilities.
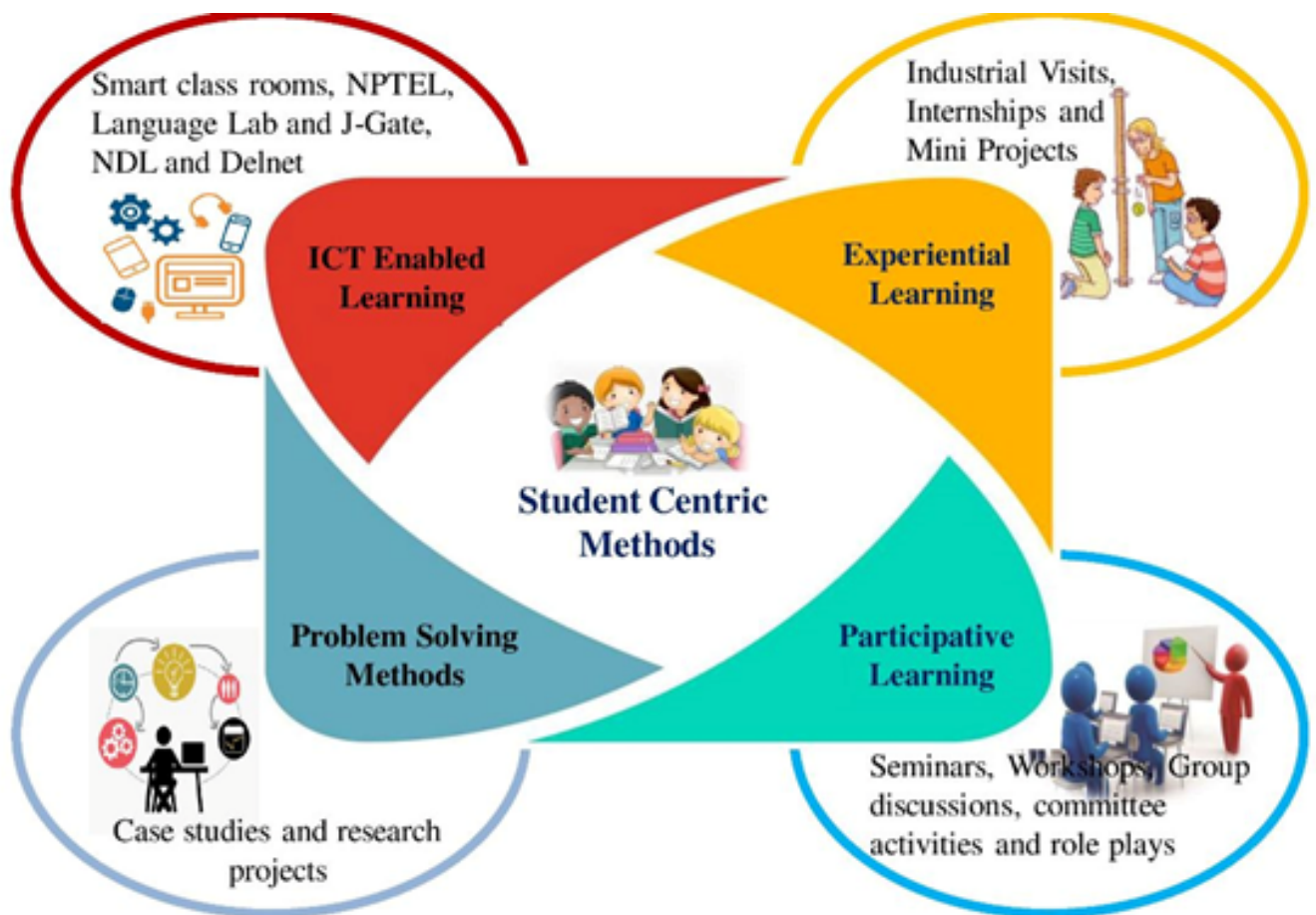
Participatory Learning:

- In a flipped classroom activity, the topics and the material are given to students in advance. Later a thorough discussion on the given topic is carried out and thereby students have a complete understanding of the subject.
- Through Group Discussions and Debates, students are given an opportunity to articulate their thoughts on the spot and to develop their arguments in support of their opinions or claims on relevant topics.
- Regular Quizzes- Quizzes are organized for student participation at the intra or inter-college level.
- Seminar Presentation – Students develop technical skills while presenting papers in seminars.
- Students are encouraged to take up internships through AICTE-Internshala.
- Student projects to engage students under multi-disciplinary project works to enhance the student's skills and effective teamwork.

Problem-solving methods:

- The institution emphasises summer internships. The students from the second year onwards opt for Internships. Internships educate important on-the-job skills and present brilliant erudition opportunities to students.
- Various course content and resources links to e-resources are uploaded and made available to the students which enhances their overall learning experience.
- E-resources like National Digital Library, memberships like DELNET, Library e-journals from Science Direct, and IEEE are aided to students to improve their learning experience. The college has a Wi-Fi campus to support students in online learning.

- Conducting class tests and giving assignments and quizzes after the completion of each unit
- Group discussions conducting debates Class presentations Participation in Inter-college events.
- The Student seminars are conducted in the department. Where the seminar is presented by Learners on modern topics to improve their knowledge and skill.

File Description	Document
Provide Link for Additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

Response: 100

2.4.1.1 **Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:**

2021-22	2020-21	2019-20	2018-19	2017-18
137	140	129	127	134

File Description	Document
Upload supporting document	[View Document](#)

2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 10.04

2.4.2.1 **Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
16	15	12	12	12

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The internal assessment process is as follows:

The formative and summative evaluation approaches are followed to measure student achievement.

Formative Approaches: Attendance record, classroom interactions, assignments, project work, field visits, laboratory sessions.

Summative Approaches: Two Mid-term Exams

The mid-term exam schedule is given by the university and is communicated to the students well in advance. To ensure proper conduct of mid-term exams, five questions will be given from each unit, internal mid-term question papers are prepared in accordance with Bloom's Taxonomy by the course in-charges along with the scheme of valuation. Questions are mapped with the course outcomes.

The course coordinator analyzes the quality of the question papers and necessary changes are done if needed. After this process, the question papers along with the scheme are submitted to the H.o.D and then are sent to the college examination cell by the department examination cell. The internal question paper will be prepared by selecting the questions randomly from each unit by the college examination in charge in presence of the course in charge.

Evaluation is done by the course-handling faculty members within three days from the date of examination. The corrected answer scripts at random are verified by the H.o.D to ensure the standard evaluation process. The corrected answer scripts are distributed to students for self-verification and if any grievance is raised, it is addressed immediately. The Assignments along with the submission date are given to students by the respective faculty members in such a fashion that they have to solve the problem themselves by self-learning methods. Online examination with 20 multiple choice questions is conducted on the same day as the descriptive exam by the university as per the schedule. The marks obtained by students in the internal assessment tests are displayed on the department notice board. These marks are uploaded periodically on the university web portal.

Internal Practical examinations are held once a semester. Internal faculty evaluates the answer scripts, based on day-to-day evaluation, performance in viva-voice, observation books and records and program outputs.

External Assessment: External examinations are conducted by the University. Students give their external university exams in the Jumbling centres allotted by the university within 30 Km from the college. After the completion of exams, the university calls the faculty concerned to the spot Evaluation Centers and there the papers are evaluated with the scheme and key provided by the Chief Examiner. The results are announced through the university portal which is downloaded by the exam cell and made available to the students on the college website. If the students are not satisfied with their results, they can apply for

Recounting/Revaluation/Challenging Revaluation directly to the Controller of Examination of JNTUGV University.

File Description	Document
Provide Link for Additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Response:

The institute offers different programs in various departments. The institution has a clear vision of learning outcomes. The programs offered by the university address multiple interests of the student community as well as building the human capital that society and the nation need.

Effective implementation of the OBE system by actively involving all levels of stakeholders. Learning outcomes are defined by program outcomes (PO), program educational objectives (PEO) and curriculum outcomes (CO). POs are graduate attributes defined by the National Accreditation Board that a student is expected to possess upon completion of the program. PEOs describe the expertise held by students at the end of the program and are defined in keeping with the vision and mission of the institution. COs are statements that describe the type and level of new learning achieved after completing the course.

JNTUGV usually defines COs in its curriculum. The Departmental Academic Committee (DAC) will develop COs as required if necessary. The POs, PEOs and COs are disseminated to the entire concerned faculty as well as students through the following means of communication:

- Website
- Curriculum/ regulations books
- Classrooms
- Departmental display boards
- Laboratories through display boards
- Student Induction Programs
- Faculty meetings
- Library

At the end of each course, the PO assessment is done from the CO attainment of all curriculum components. The course outcomes are mapped to the programme outcomes for the quantitative measurement of the programme outcomes attained.

CO Attainment: The methods of assessment are identified to measure the progress of each Course Outcome. Assessment methods include direct methods and indirect methods. The process of course outcome assessment is based on mid-term examinations and semester-end examinations. Each question in the mid-term is tagged to the corresponding CO. The overall attainment of that CO is based on the average

obtained by all the students.

Direct assessment methods include: Theory Courses – Internal and End Semester exams

Indirect assessment methods include: Course end surveys, Alumni Feedback, Parent Feedback, Student exit feedback

PO Attainment: All the courses which contribute to PO are identified and these courses are evaluated through the Course Outcomes using direct assessment tools (Internal and External examinations) and indirect assessment tools (Course End Survey). The overall results from the assessments of the PO are compared with the expected attainment. If the expected attainment level is reached, the PO is considered satisfied. In case the expected level of attainment is not met, then the concerned faculty along with guidelines from the DAC would strive to take additional measures for the overall improvement of the class. A set of performance evaluation criteria through direct assessment is done for all courses in the curriculum. A sample of two subjects' evaluation is done and its attainment is observed to be at a moderate level.

File Description	Document
Provide Link for Additional information	[View Document](#)

2.6.2 Pass percentage of Students during last five years

Response: 93.03

2.6.2.1 **Number of final year students who passed the university examination year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
247	229	221	215	223

2.6.2.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
262	248	237	232	241

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all students on roll	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 *Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)*

Response: 18.25

3.1.1.1 **Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0.3	0.18	0.16	1.44	16.17

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

VIET College focuses on innovation by entering into MoUs with leading organizations and institutions. The goal is to provide comprehensive and comprehensive support, including mentoring, training programs, networking, and a range of other benefits.

The initiatives taken by the institute to effectively transfer knowledge to students are mentioned:

- The college offers innovative teaching methods such as flipped classroom activities, distance learning, puzzles, etc. These teaching strategies and methods are designed to improve academic performance and solve real-world problems to promote equitable learning.
- The college has established a manufacturing lab and computer lab that enable students to take their coursework through experiential learning, building innovative projects under the direction and supervision of faculty and online resource. This structure paves the way for students to engage in participatory learning. Some useful projects have been developed by this student.
- The institution has memoranda of understanding with other institutions that help update knowledge by offering lectures, seminars, and workshops for students and faculty through the mutual sharing of resources.
- The institute is recognized as a hosting centre by MSME of New Delhi for startup programs so as

to maintain eco-culture in the education field.

- The institution has a Memorandum of Understanding with 'Smart Innovations', 'Hirotoind Technologies' and 'Smart Selection Solutions', which helps students improve their knowledge through internships in IT, cyber security, etc.
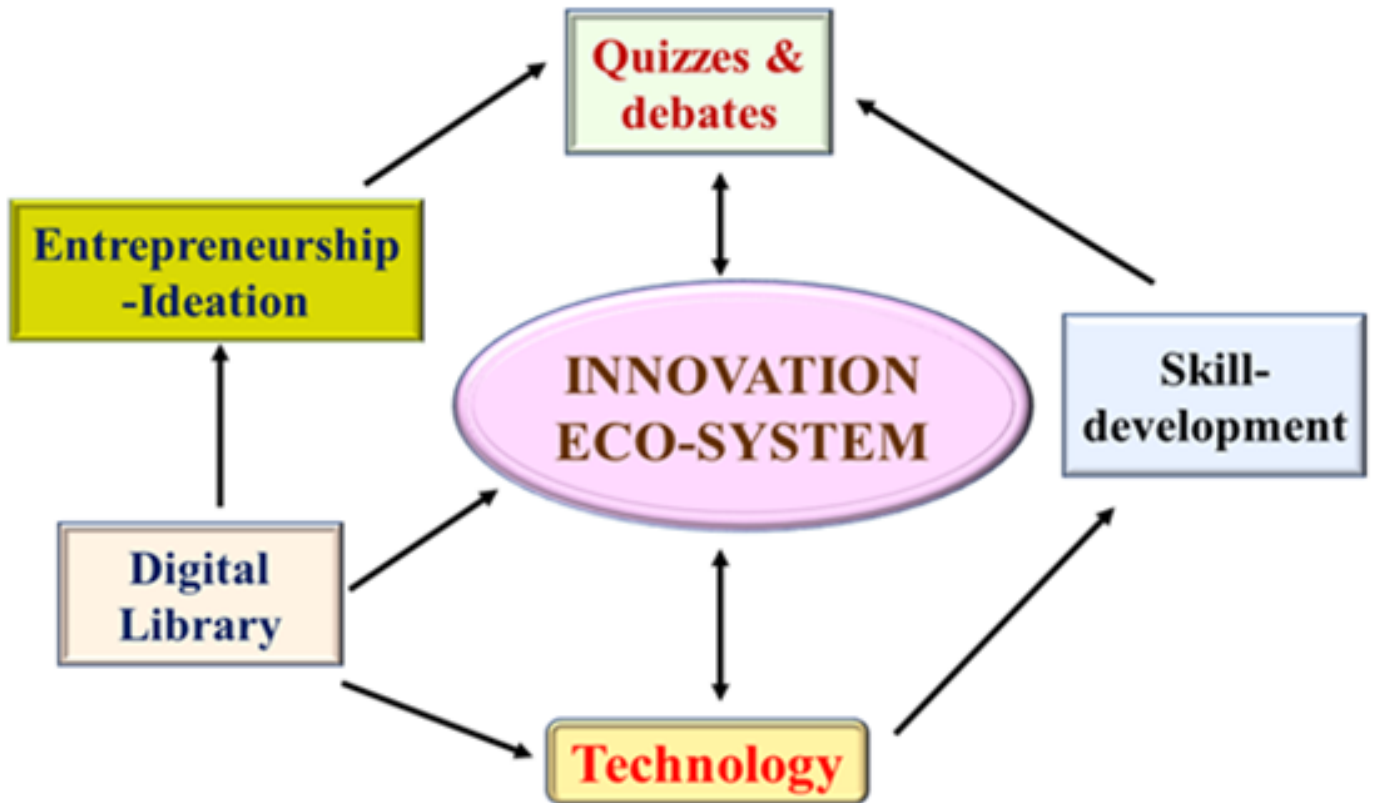
- The college created a memorandum of understanding, "Mech Turbo", with the goal of revitalizing the startup ecosystem and inspiring entrepreneurship among college students.
- The institution has a memorandum of understanding with "ANU DIGITALS" offering excellence in R&D, internships and incubation to create a dynamic environment
- The Institute has a Memorandum of Understanding with the "Edunet Foundation" which provides the best platform for developing programming skills to facilitate students' access to the current job market. It helps improve students' programming skills.
- The institute has a Memorandum of Understanding with "IIT Kharagpur" which helps students to increase their knowledge by organizing virtual workshops and events and enhancing their studies in innovative ways.

3.2.2 *Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years*

Response: 56

3.2.2.1 **Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
20	20	04	04	08

File Description	Document
Institutional data in the prescribed format	[View Document](#)

3.3 Research Publications and Awards

3.3.1 *Number of research papers published per teacher in the Journals on UGC care list during the last five years*

Response: 2.82

3.3.1.1 **Number of research papers in the Journals notified on UGC CARE year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
75	73	74	62	63

File Description	Document
Institutional data in the prescribed format	[View Document](#)

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.06

3.3.2.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
07	00	00	00	00

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

VIET established the NSS unit to inculcate social responsibility and ethical values ??in students. Faculty and volunteers participate in several outreach activities conducted to support social justice, civic engagement, and accountability in neighbourhood development.

Extension activities organized by VIET:

1. VIET conducted various service activities in a backward area of ??Narava village, Gopalpatnam and around the college.
2. Volunteers participated in blood donation camps organized by Lions and ICON KRISHI blood bank, etc.
3. Swachh Bharath Abhiyan will be implemented to raise health and hygiene awareness among villagers.
4. Awareness campaigns on tree planting, malaria and dengue fever, child abuse, and women's health.
5. Various medical camps, eye camps, COVID-19 awareness camps and vaccination camps are organized on campus, and volunteers have also offered their services to various NGOs.
6. Volunteers have participated in meal distribution programs during the Covid-19 lockdown period.
7. Celebrating major national holidays like Independence Day, Republic Day, Gandhi Jayanthi, Dr BR Ambedkar Jayanthi, AIDS Day, World Environment Day etc.
8. The Engineers Day and Teachers Day programs are celebrated to recognize their contributions and services.
9. Volunteers have been providing their voluntary services to the Pendurthi Area Police Department.
10. International Yoga Day is organized on the VIET campus and surrounding schools. Volunteers actively participate in various health and stress reduction activities such as yoga and meditation.
11. Volunteers contributed their services during the summer season to organize the distribution of water pots and milk butter to the public.
12. NSS volunteers offered their services to Simhachalam devasthanam during Giri Pradkshana at Varaha Lakshmi Narasimha Temple.

Impact of the counselling activities on the neighbourhood community and students:

1. NSS increased student participation in blood donation camps.
2. NSS has helped keep the Swachh Bharat Abhiyan college campus clean.
3. The NSS has contributed to the widespread awareness of Covid-19 and vaccination in the surrounding areas.
4. Volunteers have made the campus greener through planting and other green initiatives.

NSS unit can have a significant impact on the institution and the community by organizing various activities on various social issues with the support of teachers and volunteers. For this, VIET has received many certificates of recognition from various organizations.

3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

Response:

   VIET has conducted various off-campus expansion activities – in and around the city of Visakhapatnam and has received various awards and letters of appreciation from governmental and non-governmental agencies. The students of the institute carried out various activities with the support of the staff members.

   The main objective of carrying out consultancy activities is to enable the student community to act in a socially responsible manner. Possessing an attitude of service is seen by the institution as essential to professionalism. Consulting activities are carried out in various ways through various agencies including NSS, Hobbies, Department, Professional and Technical Club.

The activities of the organization for which the accreditation is being renewed are briefly described below:

      VIET students have conducted various social service programs, including medical camps in surrounding rural areas, student personal development programs in urban and Panchayathi schools for students in grades 5th to 10th, and donating blood for the needy in times of need. All these activities are carried out in collaboration with Lions Club and ICON KRISHI Blood Bank.

   The students of the institute actively participate in the annual Giri Pradkashana celebrations at Varaha Lakshmi Narasimha Swamy Temple, Simhachalam, Visakhapatnam every year. Students provide drinking water, buttermilk and other food supplies to pilgrims visiting Andhra Pradesh's busiest temple. Similarly, during 'Chandhanotsavam', students actively participate in service activities, which are usually held in the month of August every year.

      Visakhapatnam City Police Department regularly enlists the support of VIET students to conduct awareness programs on road safety measures. Similarly, various other government and government agencies also involve the students of the college in their respective service activities.

The letters of appreciation/awards/recognitions received by the institution from various government and other recognized bodies are given here below:

- LIONS Blood Bank
- ICON KRISHI Blood Bank
- JD Foundation Gopalpatnam
- Spoorthi Foundation.
- SHANKAR Foundation Eye Hospital Visakhapatnam.
- MEDICOVER Hospital Visakhapatnam.
- Gramaward Sachivalayam, Visakhapatnam Municipal Corporation.
- Mother Theresa Foundation Pink Ribbon Walk, Visakhapatnam.
- CARE NGO, Visakhapatnam
- AADARANA Home, Visakhapatnam.

File Description	Document
Provide Link for Additional information	[View Document]()

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years

Response: 49

3.4.3.1 **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
15	15	8	4	7

File Description	Document
Upload supporting document	[View Document]()
Institutional data in the prescribed format	[View Document]()

3.5 Collaboration

3.5.1 Number of MoUs, collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research and other academic activities during the last five years:

Response: 85

File Description	Document
Institutional data in the prescribed format	[View Document]()

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

Vishaka Engineering College is established in the year 2008 and is affiliated with Jawaharlal Nehru Technological University, Kakinada, and Andhrapradesh. The institute offers four undergraduate and two postgraduate programs. Vishaka Institute of Engineering & Technology has an effective policy in place for creating and enhancing the infrastructure that facilitates effective teaching and learning process. Vishaka has ICT-enabled classrooms and well-equipped laboratories as per the AICTE norms.

Classrooms: The College has 25 classrooms and 05 tutorial rooms with measurements of 66 Sqm, 72Sqm and 33 Sqm approximately. Each room can accommodate sixty students. The e-class rooms are equipped with ceiling-mounted LCD projectors and Laptops to facilitate innovative learning with ICT tools.

Laboratories: Vishaka institute has well-equipped laboratories for UG&PG programs to enable budding engineers/managers to practically understand the fundamentals of the theory through numerous experiments

Seminar Halls: The institute has well furnished adequately spacious seminar hall with a seating capacity of 200 students. The hall is well equipped with a projector and audio system. The seminar halls serve as a venue for various academic and extracurricular activities throughout the year.

Training and Placement: The T&P Cell involves in the placement of students through various training modules.

Transport Facility: Vishaka has a transport facility for day scholars and faculty members. Our buses cover all the areas in Vishakhapatnam city and rural up to a radius of 50km city.

Library: Vishaka Engineering College has a Central Library that plays a vital role in providing resources which enhance the knowledge of the faculty and students. It is housed in an area of 553Sq.m with a seating capacity of 120 students. It also offers digital resources, and reference books with a huge number of volumes of textbooks which is useful for seeking knowledge. The timings are from 9:00 AM to 6:00 PM on all working days.

Sports Facilities: have adequate sports facilities for indoor and outdoor games. Vishaka engineering college has appointed two well-experienced Physical Directors to train students in indoor and outdoor games. The institution is well equipped with a gymnasium, yoga centre and swimming pool as part of indoor games it has an open badminton court and playgrounds to play Volley Ball, Throw Ball, Kho-Kho, Tennikoit and Kabaddi.

Cultural Activities: In Vishaka college cultural activities are held in the auditorium, seminar halls and in the open auditorium.

Hostel Facilities: Vishaka college has the appropriate hostel with a capacity of 600 students. The hostel has a big dining hall with a capacity of 300 students.CC Cameras are installed for security purposes and a Wi-Fi facility is also provided. Apart from this college has a Cafeteria and stationery store.

File Description	Document
Provide Link for Additional information	[View Document](#)

4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 19.34

4.1.2.1 **Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
269.92	49.04	80.07	46.24	79.67

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

Vishaka Institute of Engineering & Technology has a Central Library that plays a vital role in providing resources which enhance the knowledge of the faculty and students. The library is housed in an area of **553 Sq.m**with a seating capacity of **150** users. The timings are from **9:00** AM to **6:00** PM on all working days with supporting staff of two members.

Name of the ILMS software: **CAMU**

Nature of Automation: **Fully Automated**

Version: **1.1**

Year of automation: **2017**

The institute library functions under the Open Access System having a total collection of 29301 volumes of books with 5445 titles covering all the branches of Engineering, Management, Sciences and Humanities and general books. The library has a subscription to several online Journals, national and international Journals. Periodicals, newspapers, project reports of UG and PG students, previous years' question papers, books on competitive exams along with the Book Bank consisting of 29301 books are also made available. And also maintenance of a separate book bank for backward cast students under the Government of Andhra Pradesh social welfare department. The library is also having a separate machine for taking Xerox of any reference books and materials.

The digital library has an impressive collection of around 500 CDs, e-resources like DELNET, open-source access like NDL and a collection of e-books. In addition to this, the digital library is also equipped with an internet browsing centre with ten systems with unlimited access to various academic resources available on the internet.

DELNET was started at the India International Centre Library in January 1988 and was registered as a society in 1992. It was initially supported by the National Information System for Science and Technology (NISSAT), Department of Scientific and Industrial Research, Government of India. It was subsequently supported by the National Informatics Centre, Department of Information Technology, Ministry of Communications and Information Technology, Government of India.

The **National Digital library of India** is a virtual repository of learning resources which is not only just a repository with search/browse facilities but also provides a host of services containing textbooks, articles, videos, audiobooks, lectures, simulations, fiction and all other kinds of learning media for the learners/users community. It is a project under the Ministry of Education and the Government of India.

File Description	Document
Provide Link for Additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Response:

Visakha Engineering College upgrades its IT infrastructure regularly to meet the latest technical requirements. Computers are available for the students at a reasonable ratio in computer Laboratories with ICT @ Wi-Fi facilities. The classrooms and staff rooms are either provided with LAN / WIFI facilities to enhance the teaching-learning process. All buildings, hostels, Seminar halls, Auditoriums and common areas on the campus are Wi-Fi enabled. College also has an internet browsing centre for faculty members and students of all disciplines. Visakha Engineering College plans towards the usage of Information and Communication Technology at all levels of interactions with the stakeholders of the College. The incubation centre equips with 20 laptops, and students can use this lab by sharing their ideas and

innovations. The college has a Center of excellence with a well-upgraded automation lab for the benefit of stakeholders of in and out of the college.

The operations of the administration and finances are completely computerized thus facilitating timely reporting and efficient resource allocation. A Library Management Software was installed at the library to keep track of the books and journals using the digital library. The Department of Training & Placement is doing its level best by training the students from entry-level onwards in providing Industrial Technical Training which consists of solving previous model papers so that each student is ready to attempt the exam and achieve their goals. The attendance marking system for students has been computerized which provides the attendance of each student on a day-to-day basis. Therefore, it helps by procuring and storing enormous volumes of data and facilitates processes in areas of Planning and Development, administration, Finance and Accounts, Student admission and in the examination section of the College.

- Desktops (Dual Core, i3 based with 2 to 8 GB RAM and 80 GB to 1TB HDD) – Total Number of Desktops - 632 No's
- Internet Facility – BSNL & K V COMMUNICATIONS – 100 Mbps
- IP Surveillance system was established in 2018 with the configuration: • IP camera (2 MP, Dahua, CP-plus)
- 1 NVR with 4 TB of storage
- Wi-Fi Routers – 10Nos
- UPS – 9 (3 KVA to 20 KVA)
- 30 D-Link, DigiSol Switches
- 15 LCD Projectors for ICT Teaching & Learning Process

File Description	Document
Provide Link for Additional information	[View Document](#)

4.3.2 Student – Computer ratio (Data for the latest completed academic year)

Response: 2.49

4.3.2.1 **Number of computers available for students usage during the latest completed academic year:**

Response: 632

File Description	Document
Upload supporting document	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

Response: 52.93

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
314.67	261.19	281.46	280.75	298.67

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 80.78

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1153	834	818	735	681

File Description	Document
Institutional data in the prescribed format	[View Document](#)

5.1.2 *Capacity building and skills enhancement initiatives taken by the institution include the following*

1. *Soft skills*
2. *Language and communication skills*
3. *Life skills (Yoga, physical fitness, health and hygiene)*
4. *ICT/computing skills*

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 84.04

5.1.3.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1214	920	782	619	856

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

    1. **Implementation of guidelines of statutory/regulatory bodies**
    2. **Organisation wide awareness and undertakings on policies with zero tolerance**
    3. **Mechanisms for submission of online/offline students' grievances**
    4. **Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

5.2 Student Progression

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 72.79

5.2.1.1 **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
192	177	163	180	187

5.2.1.2 **Number of outgoing students year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
262	248	237	232	256

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 29.31

5.2.2.1 *Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
09	02	01	02	03

5.2.2.2 **Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
12	11	10	14	11

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 32

5.3.1.1 *Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
06	06	08	05	07

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 18.2

5.3.2.1 **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
21	03	17	24	26

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

The VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY has a registered Alumni Association for building a strong bond between alumni and present students. The alumni give support to the students through interaction, financial funding, guidance and placement. The institution is extremely proud of every member of its alumni. Most of them succeed in their careers such as jobs, and higher education. The Alumni Association of the Institute is called as VIET Alumni Club. The registration number for the VIET Alumni club is Regd No 46).

Objectives of the Alumni association:

- To encourage and promote close relations between the Institution and its alumni and among the alumni themselves.
- To promote and encourage friendly relations between all members of the alumni body, and an interest in the affairs and well-being of the Institution.
- To provide and disseminate information regarding Alma Matter, its graduates, Faculties and students, to the alumni.
- To initiate and develop programs for the benefit of the alumni.
- To organize and coordinate reunion activities of the Alumni and let the Alumni acknowledge their gratitude to their Alma Matter.
- To collect, publish and distribute such information as may be useful to the alumni and their Alma Mater.

Activities and Contributions:

- Alumni have donated funds to assist the Poor & Merit students of the Institution.
- Few Alumni gave Guest lecturers to the existing students on some contemporary technological developments and career guiding focuses.

File Description	Document
Provide Link for Additional information	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

Visakha Institute of Engineering &Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to students. Our students made a mark of excellence by giving the best performance and bringing many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, and we are proud and committed to one cause which is to create and develop educational facilities, in order to train deserving young students. The college is located in a serene and pollution-free environment at Narva 6 km from Gopalapatnam and AirPort. The campus is spread over 10acres of the scenic landscape which is an ideal place.

Vision:

The creation and transfer of knowledge should reflect a profound and complete respect for the dignity of all persons and for the greater common good of humanity. To that end, our vision is to give our society and nation a bunch of skillful engineers and to occupy a place amongst the most eminent institutions of the nation.

Mission:

- To import quality education by implementing state-of-the-art teaching, and learning methods to enrich academic competency. Credibility and integrity of the students.
- To enhance the institute's standing as the institute of choice for students across the country; and to augment the presence of international students to at least ten percent of the student body.
- To cultivate a field in which new ideas, research, and scholarship flourish leading to the emergence of creators, innovators, leaders, and entrepreneurs.
- To attract, nurture and retain the best faculty and technical manpower.
- To promote co–and extracurricular activities for the overall personality development of the students.
- To inculcate sensitivity towards society, respect for the environment, and promote high standards of ethics.

The main objective of the mission is:

We at VISAKHA Institution of Engineering & Technology, strive to bring out and nature the talents and skills of youth with quality technical education and training, motivating them to be self-disciplined, and develop their competence to face the challenges of globalization. We shall achieve this.

The Governing Body of the college consists of experts from both academia and industry. One Ex. Vice-Chancellor, University, and Government nominee, and Entrepreneurs who contribute their expertise to the

overall development of the institution. There are senior practicing managers from reputed business organizations which include TCS, Byju's, Infosys, HCL, NPS, Smart Brains, and Smart Selection Solutions., who actively involve themselves in policy-making for the benefit of the students.

An Academic Development Council (ADC) consisting of the Heads of all the Departments, and representatives from the Management Committee headed by the Principal prepares policies and strategies for the successful implementation of the curriculum.

The Heads of Departments discuss the plans with their respective department faculty members to achieve excellence for the students. The faculty members of the institution maintain motivating methods to attain outcome-based education which leads to the complete development of students

6.2 Strategy Development and Deployment

6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

One of the objectives of college is to impart quality education to students and to equip them with employable skills. The college develops various strategies for achieving the vision and mission of the college, enriching the teaching-learning process, and Industry Institution Interface. One such strategic plan strengthening Industry Interaction Interface (III).

The goal of the institution is to produce skilled and competent professionals through quality technical education and to prepare them for immediate employment. Industries engross these knowledgeable professionals and enhance their production capabilities by contributing to the latest technologies. To produce proficient graduates ready for the industry, the college always strives to improve industry-institute relations. Eminent personalities from industries are regularly invited to the campus to enrich the students. In order to build a good and vibrant industry institute interaction and to promote education and entrepreneurship, the college has entered into a Memorandum of Understanding (MoU) with various government and non-governmental organizations.

The given under are MoUs between the college and the organizations:

- A Memorandum of Understanding (MoU) with CSR Box has been signed through which students take up internships. Every year B.Tech students visit CSR Box in India which serves as a knowledge bank and provides recruiting to the Students.
- The college also has entered into an MoU with Mech Turbo Visakhapatnam-based Software Company with the aim of providing internships to the students.
- An MoU with the Coding Ninjas was entered into by the institute to provide a training program with the Coding Ninjas as a part of projects at the end of the final year or internships.
- The college has entered into an MoU with Future Smart Innovations Pvt.Ltd for conducting extension programs, and it is provided Skill Development, Certified Courses, Outcome Based Training, Placement, and Related Services.

- There is another important MoU with ROBOCOUPLER TECHNO SOLUTIONS Pvt. Ltd, a Visakhapatnam-based company. The prime objective of the MoU is to provide high Technology training solutions for individuals and corporate in a cost-effective manner to all students.
- Another MoU with Global E-Technologies is a provided Entrepreneurship Development certificate course.
- The college has entered into an MoU with The Stage Production Visakhapatnam-based training and placement Organization. It is provided Entrepreneurial Skill development, outcome Based Training, Placements, and services for students.
- The MoU with Syntra Solutions has been signed through which students take up training and internship. It is also provided Entrepreneurial Skill development, outcome Based Training, Placements, and services.
- The college also has entered into an MoU with Smart Selection Solutions it provides Entrepreneurial Skill development, outcome Based Training, Placements, and services to the Students.
- The college has MoU with Millennium Tech company, its MoU objective is to provide Students with Entrepreneurial Skill development, outcome Based Training, Placements, and services.

6.2.2 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff

Response:

Teaching: Staff Club, Medical Leave, Duty Leave, Compensation Leave, Maternity Leave, Casual Leave, Early leaving permission, and Vacation facilities are provided to all teaching

Medical Leave: All staff members are eligible for medical leave @ 12 days for every completed year of service after the probation period. Medical leave can be accumulated up to a maximum of 180 days.

Maternity Leave: All women employees are entitled to maternity leave for a period of 90 days. Complete monthly salary and benefits shall be paid during the period of maternity leave.

Compensatory Leave: All employees are eligible for Compensatory Leave for work performed in the field or at the place of duty, on official holidays to complete assigned work within the time frame.

Casual leave is granted 12 days per annum for all staff. However, the eligible casual leave is only 1 day for every completed month of service.

Study Leave (S.L): Study leave shall ordinarily be granted only to the faculty who have completed at least 3 years of service. Request for S.L will be considered on the merit of the individual case. Prior sanction is required to avail of this leave

Non-teaching: Staff Club, Medical Leave, Provident Fund, Duty Leave, Compensation Leave, Maternity Leave, Casual Leave, Early leaving permission, and Vacation is provided for all the non-teaching staff

Provident Fund: Employees Provident Fund Deduction will be made from the salary of employees and will be deposited to the designated provident fund accounts along with the contribution of the organization as per the provisions of the said Act. Employees must comply with the statutory requirements like nomination and can avail of such ensuing benefits as prescribed by law.

Insurance: Insurance is given to employees who are working in the college.

PERFORMANCE APPRAISAL SYSTEM

A panel committee including the Principal, the Management Representative, and the Head of the Department is formed for the interactions and the observations for staff appraisal and recommendations are made for the grant of increments. The outcome of this process must be comprised of shared communication, constructive criticism, and healthy discussions on strengthening institutional growth and finding probable solutions for the same, as well as the inclination to realistically make sincere efforts to achieve a definite objective in the near future.

Considering the financial position and performance of the Institute, the Performance Evaluation and Appraisal System is done in a systematic manner for all the Teaching and Non-Teaching Staff at the end of every academic year usually in the month of June. In order to ensure that an effective Performance Appraisal System is in place, the Institute and the employee ensure that the job responsibilities and requirements as well as the performance expectations are understood and interpreted in the right manner.

File Description	Document
Provide Link for Additional information	[View Document]( )

6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 47.31

6.3.2.1 **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
61	65	70	63	58

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Response: 91.05

6.3.3.1 **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
137	132	136	127	129

6.3.3.2 **Number of non-teaching staff year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
00	36	00	15	05

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

VIET has a well-defined mechanism to monitor the effective and efficient use of available financial resources. The institute has a system of internal and external audits. The institution follows a well-defined financial policy for effective and optimal utilization of financial resources for academic and administrative purposes.

Internal Audit: Internal audit is a continuous process which ensures after each and every financial transaction whereby the college itself carries out the initial stage of the internal audit. The institute auditor conducts the audit of accounts quarterly and scrutinizes and verifies all payments, receipts, and journal vouchers of the transaction, cashbooks, ledger accounts, and all bank accounts in every financial year.

External Audit: External audit takes place annually after the completion of every financial year. Based upon observations given by the Internal auditor actions will be initiated. A copy of the internal audit report is preserved. The bills and vouchers of the revenue expenditure are checked. The auditors prepare and submit the income and expenditure statement balance sheet and depreciation statement. An external audit is conducted and the reports are submitted to the management. The finance committee ratifies these reports.

Mobilization and Optimal Utilization of Resources

VIET College of Engineering has well defined organisational structure with greater employee participation in various academic and administrative roles and responsibilities. Budgetary allocations under various heads of expenditure for the given academic year are arrived at through a process of transparent and effective staff participation of departments. the institution always monitors the effective and efficient use of available financial resources for infrastructure development to support the teaching and learning process. Financial discipline is ensured through a proper auditing process by a charted account.

Mobilization of funds:

The main source of income for the college is in the form of tuition fees. At the beginning of each year based on the requirements of each department, management allocates a certain budget. The college has a resource mobilization committee which collects data and informs the faculty about various schemes of state government / or other funding agencies. The college finance committee reviews periodically and submits the report to the college accounts wing through the principal. The college collects Academic fees, Hostel fees, Transport fees, and Sponsorships. However, when there is a shortage of funds, the management is always ready to invest from their own sources or avail of loans from the banks.

Utilization of resources:

The annual budget is prepared to ensure optimal utilisation of financial resources, based on the estimates received from the departments and functional units of the institute. The amount is sanctioned by the managing committee; monthly statements are prepared for income and expenditure. The audit is performed periodically to ensure the budget is optimally utilized for the purpose it is intended for. Institute prepare financial budgets every year as per future and ongoing requirements. Expenditure activities of the college like academic, administrative expenditure infrastructure, etc. Are duly take care off.

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

Quality enhancement is a continuous process of prime importance for our Institute. To ensure its Sustenance and to promulgate its importance, we have a functional set-up by the name IQAC. A concrete central IQAC cell was formed in the year 2015 in accordance with NAAC guidelines to embody the pursuit of excellence. Internal Quality Assurance Cell (IQAC) has contributed significantly to institutionalizing quality assurance strategies and processes

Objectives:

- Ensuring continuous improvement in all the operations of the institute.
- Arrangement of feedback responses from students, parents and other stakeholders on quality-related institutional processes.
- Ensuring quality and integrity to stakeholders. Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- The IQAC holds regular meetings every year to discuss and monitor the ongoing regular activities as well as the special proposals related to the development of the department or Institute by finalizing quality initiatives, organising seminars, workshops and academic audits etc.
- Pre-placement training is conducted by the placement cell of VIET. This will improve the self-learning skills of the students and helps to improve their creativity and originality.
- The well-structured and well-oriented training starts from the basics of communication to essential communication skills aptitude and problem-solving abilities of the students.
- Our institute conducted various preplacement training programs.
- Developing a strategic action plan to improve the academic and administrative performance of the institute.
- Implementing various measures for upgrading the quality of the institute and fostering best practices.
- IQAC is motivating the faculty to get certified in advanced courses in their domain knowledge and in the field of outcome-based education.

Functions:

- Collecting feedback from stakeholders of the institute on quality initiatives. Creating awareness of various quality parameters.
- Documenting the various programs/activities that lead to quality improvement. Organizing workshops and seminars on quality development for the faculty and students. Development of quality culture in the Institution.
- Working continuously for the adoption of pedagogical advancement strategies to match the changing needs of students & industry.
- Training & placement cell regularly interact and communicate with their students, alumni, and

industry experts and regularly has increased placement rates
- The Institute procured the Industrial automation lab as the centre of excellence. IQAC suggested introducing Internships to the students through the centre of excellence from the year 2021-2022.

Strategies and Processes:

IQAC suggested introducing certification courses in the year 2019-20. This was implemented in the year 2019-20. Students and faculty were encouraged to enrol for the online courses offered by various platforms such as NPTEL, COURSERA, CISCO, etc. to gain domain and interdisciplinary knowledge. These courses will improve self-learning skills and creativity.

Faculties are also participating in online certification courses both by mentoring the students and also undergoing certification. Increasing the number of volumes every year in the central library and acquiring subscriptions for DELNET& J-GATE to make more books available. A new set of classrooms and laboratories were constructed to accommodate the growing needs of the institute.

File Description	Document	
Provide Link for Additional information	[View Document](#)	

6.5.2 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality initiatives with other institution(s)/ membership of international networks**
3. **Participation in NIRF**
4. **any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc**

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

VIET promotes gender sensitization through co-curricular activities like seminars, guest lectures, poster exhibitions, counselling etc. The internal Compliance Committee has been established with the objective to sensitize and equip students with issues related to gender sensitization, and women empowerment. The ICC ensures that posters promoting gender equity & sensitization are placed on the notice boards and celebrates Woman's day every year to inculcate strong empowering quality and capacity building amongst girl students. The institution organized programs like "Rights of Women in Domestic Laws" and 'Self-defense training' for the girl students of the institution initiated by the Police Department. . Cyber security awareness programs related to the safety and security of women employees and students are conducted periodically. The institution has a dedicated Counseling Centre and a good mentoring system for the students to promote a culture of respect and equality for the female gender. The college also pays sincere attention to empowering the girls with health care and, physical, moral, cultural and skill development of students. Students are encouraged and motivated to participate in all the events that are conducted from time to time in the institute. Students vigorously take part and win many awards. The Teacher Mentoring system at the faculty level for students to discuss avenues related to academics, overall development of students and nurturing them for their all-around progress. Girls waiting for halls and restrooms are provided on the campus with all necessary facilities.

The institution celebrates the national festivals with all grandeur i.e. Independence Day and Republic Day. Management addresses the staff members and the students on these special occasions by instilling noble thoughts among them. The birth anniversary of Sri Mokshagundam Visheswaraiah is celebrated as Engineers' Day on the 15th of September every year. The departments organize various technical competitions on this occasion.

The students take an active lead in celebrating Teachers' Day ie on the 5th of September every year to commemorate the birth anniversary of Sri SarvepalliRadha Krishnan, the former President of India and a great teacher of the nation. The members of the Management Committee felicitate the best teachers from each department. National Mathematics Day is celebrated on the 22nd of December every year by the Department of Freshmen Engineering on the college campus to commemorate the birth anniversary of Sri Srinivasa Ramanujan.

International Women's Day is celebrated on the 8th of March by the institution through the Internal Compliance Committee (ICC) to instil confidence and self-discipline in girl students and faculty. About 50% of the staff at VIET are female and about 50%students are girls, whichmakesittohaveasuccessfulvisionandmissionofGenderEquity.

National Youth Day is celebrated on the 12th of January every year on the college campus with the aim of motivating youth through the way of life and ideas of Swami Vivekananda. Various competitions are conducted in which students participate with great enthusiasm.VIET has been successful in caring for its

diverse students and staff population harmoniously in its efforts to steadily achieve its vision and mission.

File Description	Document
Provide Link for Additional information	[View Document](#)

7.1.2 The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Upload supporting document	[View Document](#)

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

VIET conducts various programs for providing an inclusive environment to create awareness amongst the students and staff members about their social, cultural, economic, political and institutional rights. It is the culture of the institution to come up with initiatives for promoting tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities. The institution conducts various events to enhance positive interaction among students of different cultural backgrounds. The

college also organizes various cultural programs to celebrate the cultural diversity of India. Students from various regional and cultural backgrounds participate in such programs and present their regional or cultural folk songs and dances. The events include Sankranthi Sambaraalu, Christmas Celebrations, and the Distribution of Ganesh idols for Ganesh Chaturthi along with commemorative days like Independence Day, Republic Day, Teachers' Day, Engineers' Day, Telugu Day and Technology Day, Every year NSS Cell conducts Special Camps in villages for NSS volunteers with a direction towards various social issues impacting the lives of the people. To deliberate on the linguistic harmony between our mother tongue Telugu and English a seminar is conducted on Telugu day. Many cultural activities are conducted to promote communal harmony in which students involve with great enthusiasm. Irrespective of culture, religion, region, language, and community, everyone in the college follows their respective code of conduct.

For inculcating the feeling of oneness among the student community, various practices and programs are conducted in the institution. For promoting "Unity in Diversity" among students, various activities are also conducted. The institution constituted the following committees as per the norms: Grievance redressal Committee, Anti-Ragging, Internal compliance committee, Committee for SC /ST, minority cell and OBC cell for the well-being of students and staff in the institution. The functions of these committees are displayed on the website of the institution and information is disseminated to the students through orientation and induction programs.

Every year "Constitution Day" is organized by the institution to spread Constitutional values and ideals among students. Many special talks and guest lectures on vigilance awareness are conducted to sense their responsibilities as citizens. The institution also organizes various legal aid and legal awareness camps to impart awareness of such issues. A New Voter Enrollment program is conducted in the college to encourage young adults to register as voters which improves the voting percentage. The Institution ensures that students participate very enthusiastically in all the above-stated activities which facilitate an inclusive environment.

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Best Practice I

1. Title of the Practice: Women Empowerment

2. Objectives of the Practice

Women constitute more than 60% of the total student strength of the college. The majority of them come from drought and famine-ravaged rural areas, where miserable conditions of utter poverty, illiteracy, ill health and superstition take hold of their lives. Thus they are doubly affected by backwardness and discrimination. So, the college has resolved to take up the cause of Women Empowerment for women students with the objectives of

1. Mentoring women students on women-specific issues with one woman teacher as a mentor for every 20 women mentees.
2. Creating an environment through awareness programmes to enable the students to realize their full potential for learning and solving their problems independently
3. Arranging special sessions with the police and social activists for enabling the female students to be aware of several types of 'evil designs' by professional criminals for the worst type of exploitation taking the advantage of their innocence and gullibility.
4. the students on human rights and fundamental freedom for equal rights and opportunities.
5. Organizing debates and discussions on gender equality to enable the students to realize gender sensitization, thus leading to more equality and harmony in family and society.

3. The Context

1. The women students, in the beginning, were not enthusiastic to participate in the deliberations.
2. The coordinator and the members of the unit had to visit certain families and persuade the parents that all the programmes were meant for the betterment and empowerment of their dear daughters.
3. Similarly, the various legal protective provisions for women were misunderstood as undue favour meant to belittle men.
4. Even some teachers supporting the argument often opined that the change was difficult to be accepted as the ideas emanating from these seminars/workshops/debates on gender inequalities appeared.
5. Under these circumstances, the college has thought it appropriate to forge ahead with the objective implementations of the objective for which an exclusive cell is created.

4. The Practice: Discrimination against women even in the 21st century is a devastating reality. That is why 'gender inequality has been a matter of serious concern across the globe and within countries. India still has a long way to go before achieving gender equity and empowerment of women. The College has organized several products for the empowerment of women. The latest among them is a one-day Seminar on "Healthy Me" organized on 19th September 2022, to create awareness among girls students about the importance of nutrients that our bodies require. The Cell also arranged an exclusive medical camp for girls in the afternoon session for the treatment of women-related health problems by Dr K.Surya Deepthi, a senior Nutrition Consultant working at Star nutrition centre, Visakhapatnam.

5. Problems Encountered and Resources Required

1. The modest and diffident students were reluctant to cross their academic borders affecting the successful conduct of awareness programmes.
2. The first awareness camp for female students on HIV/AIDS received a discouraging response as women's talking about AIDS is still taboo.
3. Women students' impulsiveness in the matter of love at the adolescent age is a sensitive issue to be dealt with by women teachers.
4. Organizing various programmes during working hours, sometimes, has led to sacrificing class work.

Best Practice II

1. Title of the Practice: ENVIRONMENT CONSCIOUSNESS

2. Objectives of the Practice:

1. Dissemination of environmental literacy to motivate students, teachers and supporting staff
2. Transformation of the campus into a pollution-free and environmentally friendly zone.
3. To tell environment degradation.
4. Planting and maintaining trees.
5. To accept the clean production concept.

3. The Context: Visakha Institute of Engineering & Technology College always had sustainable initiatives at the core of all activities, despite the relatively small campus covering only 11.3 acres with over 650 students, and 84+ faculty at various levels. VIET College campus has significant greenery covering all parts of the campus, something that is appreciated by all visitors on campus. As College is located in a rain shadow region, it receives scanty rainfall. We decided to educate and make aware students of the issues such as renewable energy sources, waste management and recycling. We decided to work in the areas of power, plant, water and cleanliness.

4. The Practice: The institution has a system for green-auditing of its facilities which is carried out informally by the National Service Scheme. The use of plastic bags is avoided on the campus and the authority is planning to declare the entire campus a "No Plastic Zone". Students and

staff are motivated to use jute bags or cotton bags. The students and staff have planted several tree saplings during various tree plantation programmes organized by the institution through the NSS wing and all these plants are taken care of and maintained by the gardeners of the institution. Tree plantation drives are organized regularly to create a clean and green campus. The NSS wings of the college take up planting saplings regularly.

5. Evidence of Success: The green campus developed by the college helps not only to save the environment but also adds to the beauty of the campus. Besides providing a shed to people, the plants are used for getting fresh oxygen. The college generally does not generate any hazardous waste in any manner. However, the college strives to generate minimal waste and tries to reduce the use of plastics whenever possible. Printer Cartridges are generally refilled and not disposed of. Wherever refilling is not possible, the cartridge is returned to the manufacturer. Paper waste is sold off to vendors who send it for recycling.

6. Problems Encountered and Resources Required: Some students were too naughty that they avoid the programme and deny such types of activities, but our teaching faculties convinced them and ultimately they agreed to the plantation work and realized the value and importance of the nature and environment. Not enough, but they also planted more & more plants and take an oath for the protection of the plants for the balance of nature.

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

VISAKHA INSTITUTE OF ENGINEERING AND TECHNOLOGY (VIET) was founded by "VARAHA LAKSHMI NARASHIMA SWAMY EDUCATIONAL TRUST" at 88thDivision, Narava, GVMC, Visakhapatnam, and Andhra Pradesh in 2008. The college affiliated to JNTUK earlier, presently JNTUGV, Vizianagaram, Certified by ISO in the year 2022, accredited by NAAC "B++" in the year 2019 and recognised as a Host Institute for Start-ups by MSME, New Delhi in the year 2022. VIET has 81MOUs with Reputed Training Institutes, Technology Centres, and industries that support conducting several training, Entrepreneurial Development Activities, Guest Lectures, Certification Programmes, and designing industry-relevant courses.

With the motto of providing quality holistic Technical Education & Research focusing on the integrated personality of students. The institution believes in exploring, identifying and bringing out the inner excellence of students along with their all-around development and grooming and inculcating in every faculty and student, a sense of social responsibility. In view of the NEP, VIET has initiated new interdisciplinary courses integrating different departments in addition to the existing inter /multidisciplinary research and academics. New learning methods, and digital tools, like Massive Open Online Courses (MOOC) and ICT classrooms have been introduced for training and empowering teachers.

The courses introduced during the 15-day orientation programme at the beginning of the first semester help many students get in tune with the degree-level teaching/ learning system. It acts as a bridge between the Intermediate course and the Engineering degree course.

Experiential learning has been introduced to provide higher motivation for students, increase students' learning experience beyond the subject area, provide a sense of achievement, and a strong motivation for learning. Students are encouraged to do projects in collaboration with industries through incubation centres and facilities.

The Centre of Entrepreneur, Innovation and Start-up Centre (EISC) was started in the college to develop the **Research and Entrepreneurship Culture** in the college among faculty and students. An incubation Cell starts its operations with well-deserved permission from the Ministry of MSME, Govt. of India (ID: HIBIAP002633) with an objective to cultivate a field in which new ideas, research and scholarship flourish leading to the emergence of creators, innovators, leaders, and entrepreneurs.

We believe that college life is not all about academics, games, friends, and fun. It is also about learning to interact with other people and being aware of social, environmental and gender issues, and inequities in society. We provide an opportunity for every student to contribute to making the society in which they live a better place and to grow as better individuals. Our institution has committed itself to the task of inculcating social values and responsibilities in its students.

In line with its vision of working towards the socio-economic development of the country, the VIET has taken utmost care to give back to the community. Several student committees are formed to carry out the duties towards society. The intense induction program gives the freshmen an insight into the institute's values and vision. The Institution identified two best practices, **"GREEN CAMPUS" and "FEEDBACK SYSTEM"** which would benefit students in different areas. A Green Campus is a place where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices on the campus. The institution has a system for green-auditing of its facilities which is carried out informally by the National Service Scheme (NSS). The Women Grievance Cell is working for the protection of women's rights and actively empowers women creating conditions for gaining confidence in their abilities. The College has organized several productive programmes so far extensively utilizing the

services of the widespread network of NGOs which have a strong grass-root level presence with deep insight into women's concerns contributing to the inspiring initiatives for the empowerment of women.

Several activities are undertaken for the first-year students to expose them to the present environmental issues that ail us. They are taken on field visits to related industries and encouraged to participate in competitions dealing with environmental issues.

The institution stresses outreach programs and inculcates in its students an awareness of the value of holistic education and empathy for the less privileged sections of society. In addition to the classroom interactions, the following are the other methods of learning experiences provided to the students:

- Project work.
- Short-term Industrial visits or Internships.
- Oral presentation
- Seminars/ Symposiums/ Workshops
- Paper presentations/ Group discussions

Emphasis is paid to obtaining feedback from parents, students, faculty members and alumni through informal contact to obtain information about qualitative changes which are required.

Feedback System

- Students give feedback about the faculty at the end of each session or semester.
- Feedback is taken from the parents of the wards.
- Feedback is also taken from alumni.

The students play a major role in the events like Annual day, Sports day etc., and Cultural events like Christmas day, and Youth Day Sankranthi Sambralu which are being organized by the institution and inculcate the qualities of cooperation, coordination and teamwork. Personality development programs and seminars are being conducted from the first year to· improve the communication skills & soft skills of the students. Social Responsibility Activities like Go Green Activity through the plantation, Blood Donation, plantation and visiting nearby villages and helping them according to their requirements.

Achievement:

- Improved students' understanding of domain knowledge.
- Improved results and pass percentage.
- Reduced backlogs and detention.
- Improved placements and opting for higher studies.

Thus, the various activities conducted in the college give a boost to the overall personality of students who are transformed into disciplined, well-mannered, technically sound citizens with the required skills and are also ready for serving society as quality engineers.

5. CONCLUSION

Additional Information :

We at Visakha Institute of Engineering & Technology believe in the adoption of student-centric methods to enhance student involvement as a part of participative learning and problem-solving methodology. The Institute is dedicated to nurturing students through knowledge, innovation and the social and scientific perspective of academic excellence. Institute has created an ecosystem for innovation including an incubation centre and entrepreneurial skills. Collaborations with various Institutes and Industries helped our faculty and students to share and gain knowledge in professional areas and neighbourhood communities. New learning methods, and digital tools, like Massive Open Online Courses (MOOC) and flipped classrooms have been introduced for training and empowering teachers. College creates a platform for the active participation of the students in the various academic & administrative bodies including extracurricular activities. Appropriate integration of Indian Knowledge, VIET commemorates significant dates and hosts activities in regional languages to instil a sense of regional pride and adopted outcome-based education in accordance with the standards of NAAC.

The Institutional NSS Unit function actively to promote students' sense of community service and social and civic responsibility. Focus is given to imparting life skills, and soft skills and motivating students, and faculty to participate in various extracurricular events, community programmes and health awareness programmes at large. The Governing body designs and executes Short-term and Long-term plans integrating departmental plans, findings of SWOC analysis and other recommendations from the stakeholders. The College has adequate infrastructure, facilitating learning including ICT-equipped classrooms, multimedia facilities, laboratories, libraries and e-learning resources. The college has student support systems including mentoring system, career guidance and placement services. College strives to provide the best services to all its stakeholders through its human resource development, research and extension activities.

Community participation and service, environmental education, Professional Ethics & Human Values and value-based education are all part of an innovative curriculum that includes credit-based courses, projects, Lab exercises, Virtual Lab exercises and mini projects with a focus on community engagement are included in the curriculum. Thus, VIET has various community outreach initiatives such as Student Club, and National Service Scheme (NSS) which cater extension activities to the community.

Concluding Remarks :

The institution relentlessly endeavours to provide qualitative and value-added education for the holistic development of graduates endowed with lifelong learning skills at professional and personal levels. VIET recognizes the need for accreditations from various bodies. The college hopes to offer more advanced technical and socially relevant inter and multi-disciplinary courses for improving the career prospects of students. College aspires to get funds and grants for research. R& D cell which is a little passive needs to be activated by providing incentives to faculty and students. The institution has all the statutory committees such as Governing Body, Academic Council, and Boards of Studies that take care of policy decisions related to academic and non-academic activities and their implementation.

IQAC has been contributing significantly to sustain and enhance the quality in all respects of the institution's functioning. The faculty and staff are governed by the service rules of the institution in line with the regulatory bodies. The Training and Placement cell imparts necessary training for the students and assists them in securing

placements. The institution hopes to take up many more initiatives for students' progression towards higher education. It also hopes to take many more initiatives for sensitizing the students to environmental consciousness and gender issues. We provide an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud.

VIET would walk on with an aim to ensure the working environment is such that, Students as well as Faculty, are inspired and supported to attain high standards of Education and skill sets and shine in their chosen path with a focus on social inclusion and inclusive education. Faculty, with their impressive Academic, Research and Industrial experience, lead the students to achieve 'Excellence' and 'Competence'. This, in turn, enhances the core strength of students and enables them to realize all-around development.

With steady steps, we continue our march forward. We look forward to meeting you here at VIET.