SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

VAAGESWARI COLLEGE OF ENGINEERING

BESIDE LMD POLICE STATION, RAMAKRISHNA COLONY,
KARIMNAGAR-505527 TELANGANA
505527
https://www.vgsek.ac.in

SSR SUBMITTED DATE: 20-07-2022

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

July 2022

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Vaageswari College of Engineering has been established in the year 2005 and is sponsored by Sree Vaageswari Educational Society for making dedicated efforts to infuse in the students a right blend of intellectual and innovative qualities in the field of engineering and management programs. The management members of SVES are having excellent and broadminded in the education field.

Our objective is to stretch up on career oriented courses so that students will be perfect in technical and managerial skills and also they will be groomed in order to achieve higher posts and success in their career they choose to go in. VCE has been established with a strong culture of transmitting excellent skills to the students keeping view of the technical trends so that they would be ready to face the global challenges and comparable to industry standards. Since, the institute is located in rural area, more soft skill training is been entrusted for students apart from the technical knowledge.

The Institute has been approved by AICTE New Delhi, and recognized by the Government of Telangana State, affiliated to Jawaharlal Nehru Technological University Hyderabad.

The Institute is located in the suburb of Karimnagar town, on the Rajiv Rahadari High way towards Hyderabad in a sprawling of 10.5 acres campus with lush green lawns, lovely landscape, aesthetic architecture and avant-grade infrastructure. Karimnagar town is famous for temples, in the range of 30 kms. Vemulawada Temple, Dharmapuri, Kotilingalu. Elagandula etc., are located. Singareni Coal Mines, NTPC Ramgundam, Kesoram Cement, FCI are located 70 kms. away. from the instituition.

VCE offers a four years B.Tech degree programme in the disciplines of CSE, CSE(AIML), ECE, EEE, Civil Eng. and Mech. Eng., Two years M.Tech in CSE, Two years MCA and MBA program

Vision

To establish an institute which promote emerging technical skills for rural students and there by transforming them into globally competent personalities.

Mission

1.To educate students towards excellence in cutting edge technologies.

2. To work in associateion with industry and making the students productive and industry ready.

3.To instill students learn ethical and moral values towards soceity.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1.Vaageswari College of Engineering have visionary management and committed to build excellence educational and research environment.

2. VCE have 160 committed young and dynamic faculty having knowledge in digital mode of teaching and also extraordinary in guiding the students.

3. Skill development programs are implemented from first year onwards

4. Student centric approaches and initiatives have established to cater both slow and fast learners

5. VCE is having good infrastructure facility, and easy to reach the institution because it has located on the Rajiv Rahadari national highway, 10 kms. from Karimnagar.

6.The college is having excellent library facilities with more than the required text and reference books conforming to AICTE/JNTUH norms, also have more than 100 National and International Journals subscriptions. The e-Library facility help the students and faculty to access remotely, Digital library will be utilized to access and download the journal articles.

7.More than 85% of ICT enabled class rooms

8. Student support systems for furthering the cause of the student body and helping them work in coordination with the faculty and management.

9.AICTE New Delhi has approved financial assistant of Rs.1,00,000=00 in the AY 2022-23 under the Scheme for Promoting Interest, Creativity and Ethics among Students (SPICES) to encourage and position of Vaageswari Institution Innovation Club.

10. All departments are having technical wings to train the students in communication skills, organizational abilities and provide them an opportunities in preparation and presentation of technical research papers. A career guidance cell has been to advice and guide the final year students to write GATE for jobs and higher education, as well as IELTS examinations for the purpose of higher education in abroad.

11.Training and Placement Department is active to impart various activities related to training and placement. Further, short duration training programs are also arranged in consultation with different national repute organizations. The college has registered with Telanagana Academy for Skill and Knowledge which is a Centre under Department of ITE&C, Government of Telangana State. All the second year students can registered by paying prescribed fee which is valid till final year.

Institutional Weakness

The following are need to have improvement

1. The institute is not a residential campus, hence the faculty and students are unable to utilize fully the infrastructural facilities available in the college.

2. Active functioning of Innovation cell and establishment of incubation center

3. **Lack of broad base technical expertise faculty** is hampering research activity and also consultancy.

4. Not availability of university recognized research center therefore the scope for research guide ship from the parent university is very less.

Institutional Opportunity

1. Fit to get UGC autonomous
2. Collaborative research work with premier organizations
3. Financial support from AICTE, DST, UGC etc.,

Institutional Challenge

1. Competing with the institutions established in urban and state capital city
2. Government encouragement in providing financial support for research and development
3. Establishment of thrust area advanced laboratories for the purpose of up skilling the students knowledge thereby it shall fulfill industry requirement.
4. Majority students are from rural background, hence those who are lacking in subject shall require more support from the faculty.
5. Limited freedom in academic credit plan and academic calendar.
6. Experienced and highly qualified faculty show interest to work in capital city/urban places due to their personal growth and family commitments

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Vaageswari College of Engineering is an affiliated institution of Jawaharlal Nehru Technological University Hyderabad and follows the curriculum and guidelines prescribed by the University.

1. The Head of the institute conducts meeting with all the Head of the Departments for development and implementation of academic calendar for conducting curricular, co-curricular and extra-curricular activities.
2. Based on the academic calendar of university, Institute academic calendar is prepared by the department academic committees.
3. To explore the desired competencies expected, the college believes in realizing the curriculum aspects by defining program outcomes, program specific outcomes and course outcomes.
4. To impart the curriculum in an efficient way student-centric learning methods are used by the faculties.
5. Institute organizes various activities such as workshops, seminars, geust lectures, NSS programs and extension activities in the neighborhood community.
6. To bridge the gap between academic curriculum and industry expectations, industry oriented professional electives, core subject electives and Add-on courses are introduced for both UG and PG levels.

7. The courses such as Gender sensitization, Human Values and Professional Ethics, Environment and Sustainability, Disaster Management, Value education, Constitution of India, Stress management by YOGA, Personality development through life enlightenment skills are integrated in different course, which enables the students to know about nature and the way to preserve it.
8. The effective implementation of curriculum is ensured by classroom teaching, expert lectures, seminars, in-house project and industry supported projects were implemented as per the university guidelines.
9. Every year feedback is collected relating to the curriculum from all the stakeholders such as Students, Teachers, Employers and Alumni. The feedback is analyzed and necessary actions shall be taken regularly. Suggestions would be implemented based on the feedback for continuous improvement in the curriculum.

Teaching-learning and Evaluation

The institute has an environment that encourages its teachers to generate curiosity, passion and enthusiasm among the students. The teachers are stimulated to participate in conferences, seminars and symposia, orientation and refresher courses to enhance their teaching skills and make their teaching more innovative and effective.

The process of admissions is through entrance examination and subsequent merit list declared by authority constituted by the Government of Telangana. The admission in professional courses is made through fair and transparent method by following guidelines framed by JNTUH.The Institution conducts Bridge Course and Orientation Programmes after the admission to bridge the gap between the students and to cover the basics of all the subjects of the First Year Graduation program. The faculty member employs students' centric methods such as experiential method, participative learning, and problem-solving etc in order to enhance the learning experiences of the students. Information and Communication Technology facilities are effectively used by the faculties with Learning Management Systems, E-Learning resources.

The Institute has technical environment that encourages students and staff in attending and presenting research for conferences/seminars/workshops conducted within and outside the Institution. Eminent subject experts pay periodical visits to deliver Guest Lectures. Formative assessment is done by the institute which can be used by teachers to improve their teaching and by students to improve their learning.

Internal Quality Assurance Cell (IQAC) meets periodically to discuss the various issues regarding teaching, learning, evaluation and research. The process of admitting students is transparent. Internal Quality Assurance Cell (IQAC) takes the responsibility to deliver effective outcomes regarding teaching, learning, evaluation and research. The staff and students are provided with latest journals, magazines and research papers in library to update their skills with emerging trends in technical world.The Post graduate students are encouraged to conduct evidence -based research studies. IQAC of the College comprises of the senior faculty members who monitor all the curricular, co-curricular and extra-curricular activities in the college for better teaching and learning processes.

Research, Innovations and Extension

The College has developed adequate infrastructure and learning resources in the campus to achieve its objective of excellent education. Faculty and students are encouraged to undertake research oriented activities. Several faculty members are joined in PhD program in various universities in India. Faculty members of the college are

actively participating as resource persons and delegates for guest lecturers/seminars/workshops being organized by other colleges. In the college, a research committee has been formed with senior faculty members of our college. The college has been conducting periodic workshops and guest lectures for the benefit of the students and faculty members. The college encourages faculty members for paper publications in various national and international indexed journals and articles/papers presentations in national/international level seminars/conferences and establishing collaborations with industries for the benefit of faculty members and students.

The institution has created a platform to have active interaction between the faculty, students and the eminent researchers/industrialists through invited lectures. Many teachers have published book chapters and research papers. Students are encouraged to incorporate research culture and data analysis in their dissertation reports and class assignments. They are also encouraged to write term paper and joint research with faculty members. Students also encouraged presenting their papers at national and International conferences. They are motivated to do live projects with professional bodies and industrial houses. More than 150 papers have been published by the faculty members of the college in peer reviewed journals during the past five years.

Several teachers have bagged awards for their paper presentations in research conferences at various levels. NSS students' wings (Unit-I and Unit-II) of the college carry out extension activities. A few of the programs include Blood Donation, Awareness of HIV/AIDS, participation in the Immunization Programs, Civic sense activities, etc. In the NSS special camps, a regular feature is health check up, dental check up and eye care for rural people.

Blood donation is a very common program for which the college has been continuously felicitated. Several collaborations are made with industries, training institutions and research institutions for purposes of research collaboration and training students in the college.

Infrastructure and Learning Resources

The institution is provided with good and modern infrastructure facilities for enhanced teaching learning process. The Institute has about 28544 sqm. built-up area, in which 11880 sq.m. is carpet area. The institute is having well equipped laboratories, classrooms are equipped with LCD projectors, Wi-Fi coverage to facilitate modern teaching methods, and library has about 1050 sqm. with seating capacity of 160, and have 6899 titles, 56002 volumes, and also digital library equipped with adequate computers with internet connection. The college has one indoor auditorium with a seating capacity of 500, canteen facility, UPS, generator and solar power facility for power backup purpose. Every department having a separate HOD room having computer with internet, connection and a multipurpose Printer. All the staff rooms are well furnished and provided with Wi-Fi facility. The entire campus is under CCTV surveillance from the security point of view. The college has appointed a supervisor for monitoring and maintaining the building hygiene. Regular cleaning of college floors, classrooms, laboratories, and restrooms are being done by the housekeeping team. An electrician is appointed to supervise the electrical fixtures and electrical connections in the campus. System administrators and Lab Assistants are appointed for the purpose of maintenance of computers and other equipments. College provides Transport facility for both students and faculty members.

Student Support and Progression

Vaageswari College of Engineering has always been a student-centric institution. Student mentoring and

support has been a primary focus of the College. The students are mentored from the time of admission till the completion of their programme at various levels. Each class has a teacher assigned to counsel and mentor the students. During their stay, students can avail of a number of support systems and services for information, academic and career guidance, financial, co-curricular and extracurricular activities. The Information Desk in the Administrative Block provides necessary information for students on all aspects of campus life. The academic calendar gives information on the academic schedule and curriculum. All departments have corresponding associations under the auspices of which students can interact with eminent academicians and experts. Students can make use of both the Central and departmental libraries for reference work, and computer and internet services for browsing.

The scholarship section provides information on various financial support schemes. The SC/ST Cell caters to the welfare of SC/ST students, including dissemination of information about financial support, and conducting special classes for preparing students for GATE, GRE and civil services examinations. The Training and Placement Cell arranges for campus recruitment. Other support services include redressal of Students Grievances through SMS, in-house language laboratories, Placement Cell, Alumni Associations, and canteen. Girl students can address their grievances to the Women Grievance Cell (which also; addresses sexual harassment cases). Students in need of counseling have access to professional counselors. The Physical Education department with the gymnasium, impressive courts and tracks provides avenues for sports and games. Students actively participate in extension activities through NSS and technical clubs.

Governance, Leadership and Management

The governance model of Vaageswari College of Engineering (VGSE) is democratic, participative, de-centralized, and transparent to all the stakeholders for smooth functioning of the college in line with Institute's Vision, Mission and Quality Policy. The college relies on well-built strategic plan focusing at tangible objectives. To attain the objectives in terms of knowledge, skills and development, the management aims at holistic development of the institution that includes professional ethics and academic excellence.

It adopts decentralization policy to administer effectively, it is functioning through various statutory and non-statutory committees. All in all, there are 20 committees support the college governance in a participatory and collaborative mode. This helps in smooth conduct of academic, financial and administrative activities of the college. The Institution has an outstanding reputation in Student Discipline, Teaching and Learning Process, Evaluation, Research and Development and Extension activities. The college encourages a worthwhile welfare schemes like Medical Insurance, Employee Provident Fund (EPF), Medical Leave, Maternity Leave and Compensated Casual Leave (CCL).

In VGSE, the quality is taken as paramount importance. VGSE strategically enhanced the quality of Teaching and Learning Process through continuous new initiatives such as Faculty Self-Appraisal, Training Programs for Teaching, Non-Teaching training programs, Workshops, Conferences, Educational Reforms, Setting the Quality Bench Marks, Key Performance Indicators, Incentives, Academic and Administrative Auditing (both internal external), and Student Mentoring System etc. Internal Quality Assurance Cell (IQAC) has been formed and is functional in overseeing quality matters.

Institutional Values and Best Practices

1. The institution addresses from the since from inception about gender equity promotional programs, that means organizing of activities related to gender sensitivity. Beside conducting awareness activities, the institute also does for the purpose of safety and security by providing facilities such as CCTV surveillance system and also provided separate girls common rest room.
2. Special committee has been formed for monitoring and counseling the students, The institution is committed to implement the waste management system i.e, dust bins are placed at required areas in the campus. Collection and disposal of solid waste, Liquid waste management is also implemented. Institution has maintained plastic free environment in the campus.
3. The institution has installed Solar power generating plant for lighting as a part of saving of electrical energy
4. The institution has planned rain water harvesting from the last 7 years for ground water recharging.
5. Green and environmental practices are continuously encouraged in the campus.
6. The facilities are available for physically disabled persons such as ramp, separate rest rooms, brailey software and help assistance.
7. The institution also organizes national and international festivals and birth/death anniversaries of the great Indian personalities.
8. The mentor mentee system has made in the institution. Each faculty member monitor, motivate and guide them to shape their personal and professional career. The institution pioneer about the activity based learning.
9. The distinctiveness of the institute is to develop holistic nature in the students as well as academics. Through this each student is motivated in all aspects.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	VAAGESWARI COLLEGE OF ENGINEERING
Address	BESIDE LMD POLICE STATION, RAMAKRISHNA COLONY, KARIMNAGAR-505527 TELANGANA
City	KARIMNAGAR
State	Telangana
Pin	505527
Website	https://www.vgsek.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Chidurala Srinivas	0878-2955333	9502588609	-	principal@vgsek.ac.in
IQAC / CIQA coordinator	Venkata Reddy Adama	0878-2227201	8121860999	-	vgse.ecehod@gmail.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	

Date of establishment of the college	14-09-2005

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Telangana	Jawaharlal Nehru Technological University	[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](#)	01-07-2021	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

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

20-07-2022 11:25:11

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	BESIDE LMD POLICE STATION, RAMAKRISHNA COLONY, KARIMNAGAR-505527 TELANGANA	Rural	9	28544

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	120	120
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	180	180
UG	BTech,Electrical And Electronics Engineering	48	Intermediate	English	120	33
UG	BTech,Mechanical Engineering	48	Intermediate	English	60	7
UG	BTech,Civil Engineering	48	Intermediate	English	120	22
UG	BTech,Computer Science And Engineering Artificial Intelligence And Machine	48	Intermediate	English	60	60

PG	Mtech,Computer Science And Engineering	24	B.Tech or BE or AMIE in CSE or IT or its equivalent	English	36	23
PG	MBA,Master Of Business Administration	24	any Undergraduate	English	60	41
PG	MCA,Masters In Computer Applications	24	any undergraduate with mathematics as one of the subject at UG level or intermediate level	English	60	60

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				30				118
Recruited	10	0	0	10	26	4	0	30	61	57	0	118
Yet to Recruit				0				0				0

20-07-2022 11:25:11

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				84
Recruited	65	19	0	84
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				30
Recruited	16	14	0	30
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/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	10	0	0	26	4	0	61	57	0	158
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

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	220	0	0	0	220
	Female	216	0	0	0	216
	Others	0	0	0	0	0
PG	Male	28	0	0	0	28
	Female	99	0	0	0	99
	Others	0	0	0	0	0
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	27	27	37	35
	Female	31	15	34	31
	Others	0	0	0	0
ST	Male	4	5	4	8
	Female	2	3	9	3
	Others	0	0	0	0
OBC	Male	146	153	174	149
	Female	188	162	250	147
	Others	0	0	0	0
General	Male	65	86	67	91
	Female	82	80	92	73
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		545	531	667	537

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Vaageswari College of Engineering is affiliated to Jawaharlal Nehru Technological University Hyderabad. Hence, all the courses has been adopted as per the university syllabus under Choice Based Credit System (CBCS) which is implemented by the JNTUH. Each program offered in multidisciplinary courses to have overall concepts in engineering and management. The Institute always encourages the faculty members to do research on interdisciplinary areas so as to meet industrial requirement as well as societal needs and also collaborate with industries to carry out real time projects. Interdisciplinary research shall bring obviously the new innovative ideas, techniques and methods to solve various problems

	encountered in the real time world. The Statutory regulator authorities like AICTE, and JNTUH are also emphasis regarding model curriculum about the introduction of interdisciplinary courses to students through open elective and professional electives.
2. Academic bank of credits (ABC):	All the subjects in different courses are to be registered by a student in a semester to earn credits in the Academic Bank Credit account of the student and the validity of such credits shall be as per norms. Credits shall be assigned to each subject/course in a L: T: P (Lecture Hours: Tutorial Hours: Practical Hours) structure, based on the following table. 1 Hr. Lecture per week 1 credit 1Hr.Tutorial per week 1 credit 1 Hr. Practical per week 2 Hour Practical (Lab)/week 0.5 credit 1 credit. Every student shall be eligible to get additional 20 credits if he/she completes equivalent courses in SWYAM/MOOCs. A Student can earn 2 credits by doing internship for a duration of one month during the semester break period, in the same way active participation in NSS which is related to survival skill learning during various events.. As on now grade is yet to be defined for these 2 credits they are not included in CGPA Calculations but internship shall be considered.
3. Skill development:	Vaageswari College of Engineering is always in the forefront to conduct the various skill development programs to the benefit of students. In the same direction, faculty shall also improve their skill in the emerging areas by active participation. The has been organizing various awareness programs, Seminars, Workshops and field visits . Some of the students have been benefited by attending the programs. It brought, that the students understood the creativity and innovation techniques. Vaageswari Institution Innovation Cell has conducted awareness workshop which has intensified the skills of innovation and creativity in products development and marketing by the professional students Organizing training classes continuously with the high end electronic and digital presentations. Making the students to participate in workshops, Debates and Reading Sessions. Motivating the students to organize group discussions and role playing. Making students to watch lecture series available in social media.skills to forfeit themselves in placements and also finishing school CRT training programs will organized every year. Telangana Association for Skill and

	Knowledge(TASK) initiated by state government of Telangana to all Higher Education Institution to give awareness on latest technologies, Industry readiness and Campus Recruitment. Our students are taking active participation in this program and placed in MNCs
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Future generation need a reconfigurable education system in India on the framework of Indian knowledge System which should compete the world education system. It shall lead to recognize by the world that the distinctness of the India hold. It is only possible by of its cultural, civilizational values and awareness in all the fields. The statutory bodies such as AICTE and UGC instructs all the higher educational institutions to prepare academic curriculum n such a way that all the courses would be available in domicile candidate mother tongue for easy of understand and implement the technology in very quickly. In this context the management and principal of our institute instructed all the faculty members to prepare and write technical books in regional languages as per the AICTE and UGC guidelines.
5. Focus on Outcome based education (OBE):	The outcome based education has been targeted in attainment of desirable quality education outcomes in terms of knowledge, skills, attitudes and behaviour at the end of a program completion. In class room teaching and at allied students activities with OBE objectives and making the associated efforts would achieve the desired goal. This entails a regular methodology for ascertaining the attainment of outcomes, and benchmarking these against the program outcomes consistent with the objectives of the program. The Institute adopts Outcome Based Education(OBE) and implements in teaching and learning process. Faculty members were trained in designing the courses and its syllabi to meet industrial and academic requirements of the students, justifying the Course Outcomes(CO) and mapping these CO with Program Outcomes(PO) and comparing the after assessment and evaluation process. Attainment of Course Outcomes would show the effective implementation of Teaching, Learning and Evaluation process to meet Outcome Based Education(OBE). Institute always thrives that educational quality must be measured by outcomes. Outcomes are dependent not only on inputs but also

	on the processes followed by an institution to convert inputs into defined outcomes.
6. Distance education/online education:	The world has seen a new digital education revolution during COVID 19 world wide lockdown, during this period new online education tools has been revolutionarily developed and implemented very successfully. young generation also adopted without hesitation., In view of COVID19 coronavirus all over the country The new digital phase of 'New Normal life' and have taken centre of stage in students' life now. This 'New Normal life' is a transformed concept of education with digital mode of learning at the core of transformation. Online education allows students to attend classes from any location of their choice while it allows educational institutions to reach out to an extensive network of students, instead of being restricted by geographical boundaries. Students can interact with the teacher and get clarify their doubts through live chats or forums by staying at the comfort and safety of their home. On the positive note, online learning has made both teachers and students become more technology savvy. Both the teacher and the student community were quick enough to acclimatize with computers and smartphones. However, access to online education system still a challenge for many students due to various issues like power supply, internet connectivity and affordability of necessary devices. A robust and comprehensive strategy is the need of the hour at an institutional level to address these concerns. Online education has emerged as a suitable alternative amidst this chaos caused by the pandemic. It has become more of a necessity rather than an option. Hence the quality enhancement of online teaching–learning is at a very crucial stage. The institute offers many online lectures as well as usage of online class tools for effective utilization for preparation of notes, power point presentations, projects and internships.

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
482	436	425	421	442

File Description	Document
Institutional data prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
9	8	8	7	9

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2280	2336	2549	2687	2808

File Description	Document
Institutional data in prescribed format	View Document

2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
425	425	394	378	435

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
535	477	532	716	621

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
173	174	205	199	278

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
173	174	205	199	278

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 50

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
362.93	387.59	429.73	535.89	583.50

4.3

Number of Computers

Response: 709

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

Vaageswari College of Engineering is an affiliated institution and adopts the curriculum designed by JNTU Hyderabad and follows the same. The curriculum is implemented both for UG/PG programs (B.Tech,M.Tech,MCA and MBA). For effective delivery of the curriculum, the following process is developed and deployed.

- As per academic calendar provided by the university is taken into consideration for making curriculum delivery plan. The academic calendar provides the date of commencement of the academic session, submission of mid-term exam marks, Parent Teachers meeting, the duration of the semester, the period of internal assessment tests, practical exam schedule, preparation holidays, final semester examinations etc. The University also declares the list of general and optional holidays to affiliated colleges.

- The principal of the institution conducts meetings with the Head of the departments for developing a detailed academic calendar for the effective implementation of the curriculum immediately after the release of academic calendar of JNTUH.

- A well-structured academic calendar which is in order with the academic calendar JNTUH is prepared by the Head of the departments with the due approval of the head of the institution. An action plan for conducting co-curricular, extra-curricular activities, to enrich the curriculum will also be included in the detailed academic calendar.

- The Head of the Department allocate the courses to the faculty members as per their expertise and option. Class wise and Course wise time tables will be prepared for effective planning and delivery of courses. Each faculty prepares course outcome, a course plan and course notes, for executing day to day academic activities and the same is circulated to the students on the day of commencement of Instruction. A lucid plan to fill up the curricular gaps either by teaching content beyond the syllabus, guest lectures, workshops or add-on certificate programs are included in the course plan.

- Teachers are encouraged to impart the curriculum through student centric learning methods, such as presentations, assignments, NPTEL lectures, group discussions, workshops, seminars, projects, industrial visits etc., and innovative teaching methods etc. besides the regular/traditional chalk and talk methods.

- The Head of the Department monitors the academic activities on a regular basis by verifying monthly syllabus coverage report to ensure the execution of effective teaching learning process as per the academic calendar, and finds the gap, if any. The IQAC performs academic audit once in a year to ensure the effective delivery of the curriculum.

- The academic performance of students is continuously and meticulously monitored by conducting special tests, Mid Term exams, during the semester to assess the attainment of Course Outcomes(COs). As the attainment of COs is the base for achieving the attainment of Program Outcomes, Program Specific Outcome and by which Vision and Mission of the institution, the institution takes all the possible measures to ensure the effective delivery of curriculum and attainment of COs for all the courses.

- Class committee meetings are conducted at regular intervals to ensure the effective delivery of the curriculum.

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

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

An academic calendar is prepared by the concerned official at the beginning of each semester in line with the University's calendar consisting of various curricular, extra and co-curricular activities. The calendar is uploaded on college website, displayed on notice boards and is communicated to students through emails. It is updated and revised with respect to any changes suggested by the university.

All the classes and examinations are planned as per the calendar, thus ensuring complete observance.

Compliance of Continuous Internal Evaluation with Academic Calendar.

1. **Classes and Lab time-table –** Time table Coordinator of each department prepares the time table as per the guidelines of affiliating university for the number of credit hours for each subject and the academic calendar prior to the start of the semester. Time-table is uploaded on the college portal and displayed on the common and departmental notice boards.

2. **Course files and Lecture Plan**- After the allocation of subjects to faculty, course file of each subject is prepared consisting of detailed teaching plan. It also contains the assignments to be uploaded on every scheduled date of academic calendar. This course file is duly approved by the Head of the department.

3. **Internal Examinations-** The internal examinations are conducted as per the affiliated university academic calendar. Detailed Examination schedule is announced in advance by the respective HODs. To maintain further compliance, exam sheets are checked within three days after the commencement of each examination. In case of labs and projects, internal viva voce and practical exams are conducted by respective departments before/after the pre university examinations.

4. **Question Paper Setting-** The question paper of internal exams is prepared by concerned faculties and is approved by head of the department.

5. **Exam sheets evaluation-** The answer sheets are cross checked in each department to ensure transparent and unbiased evaluation.

6. **Assignments and Quiz** - In addition to the tests, assignments and quizzes are also the part of Continuous Internal Evaluation. Assignments are provided to students on the scheduled dates mentioned in the academic calendar and solutions are submitted by students within three days. Every teacher conducts regular class tests consisting of MCQs on the related topic for practice and revision with the help of Google forms.

7. **University Exams**- The tentative dates for university exams are indicated in the academic calendar. The final university exam schedule is also displayed on students' notice boards.

8. **Student feedback** – At the end of academic session students submit their feedback for each subject through online feedback forms maintaining complete anonymity

9. **Academic Monitoring**- Each Head of the Department maintains a monthly monitoring report on course coverage, student attendance and assignment provided for every subject. Remedial classes are conducted for weak students in mathematical/conceptual subjects.

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

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. **Academic council/BoS of Affiliating university**
2. **Setting of question papers for UG/PG programs**
3. **Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
4. **Assessment /evaluation process of the affiliating University**

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View Document](#)
Any additional information	[View Document](#)
Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 **Number of Programmes in which CBCS / Elective course system implemented.**

Response: 9

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Link for Additional information	[View Document](#)

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 69

1.2.2.1 **How many Add on /Certificate programs are offered within the last 5 years.**

2020-21	2019-20	2018-19	2017-18	2016-17
14	13	14	14	14

File Description	Document
List of Add on /Certificate programs	[View Document](#)
Brochure or any other document relating to Add on /Certificate programs	[View Document](#)
Any additional information	[View Document](#)
Link for Additional information	[View Document](#)

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 80.44

1.2.3.1 **Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1934	1866	1907	2121	2352

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	[View Document](#)
Any additional information	[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 "Gender Sensitization" course is creating awareness among students about sensibility with regard to issues of gender in contemporary India. This provides critical perspective on the socialization of men and women. It helps the students attain how gender discrimination works in our society and how to counter it. Apart from this the institution formed Grievances Redressal Cell to provide counseling, promote gender equity and also deals with related issues of safety and security of students as well as to dissolve discrepancies among students and staff. The campus is secured with CCTV and high level security.

Human Values and Professional Ethics/Professional Ethics

The Institution integrates Cross-cutting issues of the society like Moral Values, Human Values,

Professional Ethics, Ethical Values, Gender Equality, Environmental Awareness, which are inseparable part of the curriculum in the course "Professional Ethics" students are imparted the importance of ethics in engineering profession. This course comprises of class room discussions with real life situations as well as focuses on ethical concerns common to human service situations. The issues are analysed in the context of right understanding with the main focus on the development of ethical competence of the persons.

Environmental Studies/Environmental Science and Technology

The course "Environmental Studies/Environmental Science and Technology","Disaster Management" provides students with understanding of ecological balance for sustainable development, impacts of developmental activities and mitigation measures and environmental policies regulations. The Institution encourages and supports students to go with plans of protecting environment like planting saplings, waste management and plastic free campus and training in first aid.

Moral Values, Human Values & Professional Ethics

The Induction programme is organized for students related to values and ethics is an integral part of the curriculum. The cross cutting issues such as Gender equality, Environment and Sustainability, Human Values and Professional Ethics courses are introduced by JNTUH. These subjects provide free environment for inculcating values and developing ethical competence among the students. College celebrates days of National and International importance as Republic day, Women's day, Independence Day, Teachers day, Engineers Day Human Right Day, International Yoga Day, NSS Day etc. These celebrations nurture the moral, ethical and social values in the students.

Environment & Ecology

The course "Environment & Ecology" related to ecosystem, its balance & sustainability is an integral part of the curriculum. University prescribed this course for creating awareness and developing importance of environment among students. Awareness about Environment is necessary for the protection of the environment and survival of human life. The basic aim of this subject is to make the students aware about the importance of ecosystem to human life. The College has an integrated rain water harvesting System along with Sewage Treatment Plant. The waste water is reused for gardening in the college campus. The college organizes workshop/ seminars on Environment & Ecology to make students aware about efficient use of natural resources.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	[View Document](#)
Any additional information	[View Document](#)

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 69.5

1.3.2.1 **Number of courses that include experiential learning through project work/field work/internship year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
305	291	315	315	303

File Description	Document
Programme / Curriculum/ Syllabus of the courses	[View Document](#)
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	[View Document](#)
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	[View Document](#)
Any additional information	[View Document](#)

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

Response: 64.34

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

Response: 1467

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	[View Document](#)
Any additional information	[View Document](#)

1.4 Feedback System

1.4.1 *Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni*

Response: A. All of the above

File Description	Document
Any additional information (Upload)	View Document
Any additional information (Upload)	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback process of the Institution may be classified as follows: Options:

> **1.Feedback collected, analysed and action taken and feedback available on website**
> **2.Feedback collected, analysed and action has been taken**
> **3.Feedback collected and analysed**
> **4.Feedback collected**
> **5. Feedback not collected**

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 73.68

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

2020-21	2019-20	2018-19	2017-18	2016-17
545	531	667	537	601

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

2020-21	2019-20	2018-19	2017-18	2016-17
810	810	750	720	834

File Description	Document
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 98.29

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

2020-21	2019-20	2018-19	2017-18	2016-17
422	409	388	371	432

File Description	Document
Average percentage of seats filled against seats reserved	[View Document]
Any additional information	[View Document]

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

To assess the learning levels of the students, the institute scrutinizes their performance in the qualifying examination, entrance examination and the induction program. During the course work faculty members give utmost priority to address their hurdles through multi level strategies.

The classification of students as slow, average and advanced learners is done by their performance in the internal examinations and through feedback and follow up action done by teaching faculty, course coordinator and Head of the department.

- Special remedial classes are arranged for the slow learners before or beyond the regular class schedule on specific days for each course and individual attentions are paid for improving the students' level of learning, problem solving and presentation.
- Simultaneously, the needs of the average, progressive and advanced learners are taken care of by the concerned faculty through assignments, seminars and more importantly peer-group discussions. The advanced learners will derive satisfaction and get motivated for further in depth learning while the slow and progressive, average learners get their doubts clarified with the lucid, hesitance-free academic discussions.
- Slow learners are further assisted through individualized counseling by the class in charges. Most of the students' problems resolved by these efforts and if felt necessary, the parents are called in for additional help to their ward.

Slow learners are given special attention to improve their performance through one or more of the following:

- Slow learners are paired with good performers to enhance their learning abilities (Peer group learning)
- Slow Learners are Inspired to uplift their learning abilities by transmitting to them soft skills like Time Management, Anger Management, Problem Solving activities, team player attitude, adaptability and active listening skills.
- Soft skills and inter active communicative skills are effectively passed on to slow learners, with the actual usage of ICT tools weak learners and the students from the rural background are converted into productive assets and thereby inducted them and mingled them with regular learners.

For advanced learners:

For motivating advanced learners to continue their higher level of learning and to keep enhancing their knowledge and skills the college conducts /encourages.

- Programs like coding contests Geeks Coding Challenge (GDC), code chef, international Collegiate

programming contest (ICPC), code forces.

- To take up additional courses like ORACLE certification, learning tools like Android OS, PYTHON, MATLAB, PSPICE, Business Communication Lab, Statastical Data Analysis Lab using Ms Excel, CATIA certification under CAD/CAM, CLAD OF LABVIEW and TASK programs covering cutting edge technologies.

It is quite often noted that the slow and average learners become more motivated and start performing well in academics after participation in the technical, sport, Quiz contests within and outside college premise and cultural activities. The feel of 'recognition and appreciation' of their efforts and skills put them in a good stead.

File Description	Document
Upload any additional information	[View Document]
Past link for additional Information	[View Document]

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 13:1

File Description	Document
Any additional information	[View Document]

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

Response:

The teaching-learning process is one major objective and the hallmark of our college. Students are imparted a right blend of traditional and modern technical knowledge to make learning student-centric and a rewarding experience. Cooperative learning, experience based learning and Problem solving methodologies are well adopted to ensure the holistic development of students and facilitate life-long learning and knowledge management.

Cooperative learning

1. *Design/development of solutions:* Students are structured into small groups and attempt to develop solutions for complex engineering problems and design system components/processes that meet the specified needs of real-time cases through group analysis, brainstorming etc.

2. *Mind Maps for creativity:* Teachers use Mind Map learning method to show overall structure of a subject and the relative importance of individual parts of it. Students get a better understanding of novel

ideas.

3. Flipped learning techniques are used by teachers effectively through which they share materials and presentations with students to be viewed at home. For certain topics teachers use blended learning (online &electronic media)

4. Project works involving latest technologies and use of advanced softwares like Aspen, CAD etc. are encouraged. On an average, 40 to 50 different problems are investigated to a reasonable level by final year students under the supervision of project guides, within the constraints of time and resources in each department.

5. Participation in professional societal activities of IEEE, ISTE, CSI, IETE, etc. are encouraged.

6. Proficiency in soft and communication skills through lab sessions.

Industry interaction and summer training

1. Industrial / field visits, Practical training / internship at Industry and/or renowned institutions like BHEL, ISRO, NTPC, TCS, Infosys, ONGC, and CMC etc. are mandatory at present.

2. For pre-employment training students undertake projects in collaboration with industry.

3. Periodical Guest lectures on topics relevant to employment skills by personnel from respective organizations / industry.

Experiential learning

1. Practical courses (laboratory) including virtual labs are part of the curriculum.

2. Awareness about technical knowledge regarding maintenance and repairing activities of various lab equipment.

3. Various learning methods viz. problem-based, case-based, project-based, inquiry based, computation-based, co-operative (work- or community-based) are implemented wherever feasible.

4. Students are stimulated to take up innovative projects and mini projects.

5. Organization of exhibitions and open houses projecting senior students' achievements on regular basis are a source of motivation for younger students of the college

6. Conducting investigations for solving complex problems: Identification of problems, causes of the problems are analyzed through research based knowledge and methods that includes design of experiments, analysis and interpretation of data to arrive at valid conclusions.

7. Studio performances are practiced to facilitate learners understand the deficiencies, leading to improvement in further endeavors. These sessions remove fear, tension, and deterring emotions.

Problem solving methodologies adopted are

1. Giving assignments and quizzes at the end of instruction of each unit.

2. Case Study Analysis and Discussion.

3. Product Design and development. All academic activities are aimed at elevating the students' knowledge, skills and build confidence in them.

File Description	Document
Upload any additional information	[View Document](#)
Link for additional information	[View Document](#)

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

The most obvious change that has occurred in the past two decades within the study of engineering is the increased use of computers and related software. Engineering field has increasingly adopted computers to design, analyze and create. In comparison, in the past it was depends on drafting tools and engineers ability and skill at sketching and drawing.

The depends on computers to deliver effective learning , has resulted in innovative supporting technology commonly known as Information and Communications Technology (ICT) tools are Computers, Laptops , Printers ,Scanners, Software programs, Data projects etc..

Keeping in view modern changes in teaching delivery mechanism Vaageswari College of Engineering has modernized class rooms with ICT tools for effective teaching and learning environment there by creating a promising atmosphere suitable for the students.

Information and Communications Technology (ICT) tools enable and improve the learning ability of students when compared to the traditional teaching learning methods. The institute has enabled the much needed resources in this regard like Desk-tops in the departments, required number of Desk-tops in the Language Labs and Computer Science Labs, Library, High Speed Internet access, Projects with Screens , Pen drives and other useful and must office equipment such as Copiers and Fax-Machines. Faculty uses these resources for Lectures , Case- Studies, Chalk board, Google class room, Concept map, mind map, Youtube based teaching, Social media, Google meet, Microsft Team, Google forms, Delnet, project based methods and experience based methods.

Language lab ICT tools play an important role in polishing the accent of the students and their presentation skills that would enable them to compete in employability competitions.

Teachers at the end of instructions of each unit give specific assignments   for effective delivery of course content. With the acquired knowledge through ICT, the students who are working in small groups participate in group discussion or a think pair share activity. In this way ICT tools are used efficiently by cooperative learning.

Information and Communications Technology (ICT) are widely used for online courses and for referring online journals, Online tests. LCD projectors are used for seminars, workshops and presentation of research papers. ICT enriches training in communication skills where a student can refine his skills in reading, writing, speaking and listening.

ICT also enables a student gain skills in critical thinking, group dynamics, discussions, integration and interaction among participating members. The project-based learning methods, which are participatory, discussion/demonstration based ways of learning, enable students gain the skills in critical thinking, communication, and group dynamics and reflect appropriate integration of direct and online interaction of the participating members. Technical courses are embedded with innumerable problems that require effective and efficient technical data to solve and for this teachers and students find ICT as indispensable tool.

File Description	Document
Upload any additional information	[View Document](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	[View Document](#)

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 14:1

2.3.3.1 Number of mentors

Response: 164

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	[View Document](#)
mentor/mentee ratio	[View Document](#)
Circulars pertaining to assigning mentors to mentees	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	
List of the faculty members authenticated by the Head of HEI	
Any additional information	

2.4.2 Average percentage of full time teachers with 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: 8.09

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

2020-21	2019-20	2018-19	2017-18	2016-17
18	14	13	19	17

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	
Any additional information	

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 5.83

2.4.3.1 **Total experience of full-time teachers**

Response: 1009.25

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	
Any additional information	

20-07-2022 11:25:12

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

The Vaageswari College of Engineering is affiliated to JNTU Hyderabad and is guided as per the regulations formulated by the university in all the matters pertaining to syllabus, examination, evaluation and awarding of degree. University issues academic calendar for every year which includes schedule of internal assessment, assignments and other curricular and co-curricular activities. Academic calendar and timetables are disseminated at the beginning of the semester. Transparency is maintained in conduction and assessment of internal exams and assignments for theory, lab, project, and seminar. Faculty and audited by the senior faculty to ensure syllabus coverage, course outcomes and level of revised Bloom`s taxonomy.

Institute's academic calendar layouts dates of Internal assessment tests, projects, and term work submission. College website is uploaded with academic calendar before the outset of the semester. Internal assessment is composed of term work assessment and internal tests as per the syllabus prescribed by JNTU Hyderabad. Internal assessment is accomplished on periodic basis over the whole semester. The evaluation of the term work is done for 25 marks in majority of the subjects. The assessment of term work is based on the performance and evaluation of assignments, case studies, project-based learning and experiments on a regular basis. Concerned students are also aware of their grades/marks obtained in a particular assignment or experiment or case study as the marks are awarded in front of the students. Two internal tests are conducted for 20 marks in addition 5 marks for assignments and an average of two tests is considered as 25% of the total weight age in each theory subject along with end semester examination of 75 marks. The first test is conducted within 45 days of college reopening where at least 50% of the syllabus should have been covered in the class and the second test is scheduled after the next 50 % of the syllabus is covered. The dates for these internal tests are finalized by the academic council through academic calendar for faculty to plan their lecture schedule. Solution paper of tests is given back to students to see if any errors on behalf of evaluater are done. The evaluated papers are given back to maintain transparency and uniformity in assessment. In mid of every semester, parent teachers meeting is conducted to update the parents about their ward's attendance and performance in internal assessment of all subjects and feedback is also sought from parents to improve the system. The internal assessments are routinely monitored by Department Advisory Committees to ensure that they meet the learning outcomes outlined in the course syllabus. With these systems in place, Vaageswari College of Engineering very well exhibits transparency in the mechanism of internal assessment and robustness in terms of frequency and variety.

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

The success of an organization depends on upon a systematic method of evaluation to study practice, intervention or initiative taken during the course. Vaageswari College of Engineering has adopted a time bound, effective and efficient assessment system that gives an opportunity to subject faculty to understand and estimate the knowledge of students both in theory and practical's.

The internal assessment system empowers a faculty with information that will guide the students properly to achieve success in academics.

A transparent, time-bound and efficient method is being followed in Vaageswari college of Engineering in terms of dealing with internal examination related grievances. Various internal examinations are being performed throughout the semester. Some of them are unit-test1, unit-test2, assignments, lab continuous evaluation, project evaluations, etc.

Internal Assessments (Mid 1 and Mid 2):

Immediately, after the unit test, the Key answers of the test along with question wise marking scheme is displayed on notice board after the test to maintain transparency and uniformity in the assessment of the internal tests. The faculty evaluates the papers within a week of conduction of test. The evaluated answer sheets are shown to students in class and faculty undertakes individual grievances with a student on the paper if required by the student. At the end of the semester the average marks of both the Mid -tests are calculated and verified with the students. If any discrepancies are reported by the students, then they are resolved by the faculty immediately.

Assignments

An assignment is a demonstrative tool for students to exhibit their learning levels. Generally assignments are tasks that deal with out of class experience. It enables students to improve their theoretical skills with writing skills.

Faculty evaluates assignments based on the rubric which is also shared with the students. The rubric consists of criteria- timely submission, clarity, neatness, etc. The evaluated assignments are returned to students thus maintaining the transparency of the marks assigned and to resolve grievances if any.

Lab experiments

The experiment performed in lab by the student is immediately evaluated by the faculty and the performance marks are assigned based on the lab rubric designed by the faculty. The lab rubric is given in the lab manual which is shared with the students well in advance before the lab is conducted. The lab submissions are taken in LMS, e.g. Google classroom, and the marks given by the faculty are available to the students immediately, this providing a transparent way for students to reflect on their strengths and areas of improvements.

Project evaluation

 In a semester, two internal evaluations of the project are conducted in front of the panel consisting of group of faculties. The rubric is designed for these two presentations having criteria- quality of problem formulation, literature analysis, presentation, team work, etc. With these systems in place, Vaageswari college of Engineering very well exhibits transparency in the mechanism of dealing with grievances related

to the internal assessment.

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

The college has clearly stated all program outcomes, program specific outcomes and course outcomes for all programs. At the beginning of the academic year all the faculty members will prepare the course files and laboratory manuals. The course file contains Department vision, mission, course syllabus, individual time table, program objectives, program outcomes, various mapping matrices, unit plan, lesson plan, course plan, unit wise material, direct and indirect assessments, student grading sheet, surveys/feedbacks collected from students and CO-PO attainment sheet. In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are framed by the department offering the concerned program after rigorous consultation with all faculty and the stakeholders. After attainment of consensus, the same are widely propagated and publicized through various means such as **display and/or communication specified hereunder.**

- Website
- Curriculum /regulations books
- Class rooms
- Department Notice Boards
- Laboratories
- Student Induction Programs
- Meetings/ Interactions with employers
- Parent meet
- Faculty meetings
- Alumni meetings
- Professional Body meetings
- Library

While addressing the students, the HODs create awareness on POs, PSOs and COs. The faculty members, class teachers, mentors, course coordinators, program/ISO coordinators also inform the students and create awareness and emphasize the need to attain the outcomes.

Program specific outcomes (PSOs) are the specific skill requirements and accomplishments to be fulfilled by the students at micro level and by the end of the program. The programme co-ordinators prepare the PSOs, usually two to four in number, in consultation with course coordinators. Head of the Department and

subject experts, of the individual departments will discuss the same and approve it after endorsement by the Principal.

Program Outcomes (POs) are broad statements that describe the professional accomplishments which the program aims at, and these are to be attained by the students by the time they complete the program. POs incorporate many areas of inter-related knowledge, skills and personality traits that are to be acquired by the students during their graduation.

Course outcomes (COs) are direct statements that describe the essential and enduring disciplinary knowledge, abilities that students should possess and the depth of learning that is expected upon completion of a course. They are clearly specified and communicated. The Course Outcomes are prepared by the course coordinator in consultation with concerned faculty members teaching the same course. The Module coordinator will verify it. Finally, they are discussed in the concerned department's meeting course-wise and approved.

The POs/PSOs of the programme are published through electronic media at individual Department site located on the college website http://www. vgsek.ac.in/. The COs of the courses are also published through electronic media at the Department site located on the college website: http://www.vgsek.ac.in/. In all the interactions with the students, awareness on POs, PSOs and COs is consciously promoted.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	[View Document](#)
Upload any additional information	[View Document](#)
Past link for Additional information	[View Document](#)

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

Attainments

Each course has a defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how the program outcomes are achieved. The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs and PSOs through the mapping of questions to COs and COs to POs and PSOs. CO-PO & PSO mapping for all the courses in the program is prepared by the program coordinator in consultation with other faculty.

CO Attainment

Assessment methods include direct and indirect methods. The process of course outcome assessment by direct method is based on mid examinations, semester end examination. Each question in mid/semester end/assignment/quiz is tagged to the corresponding CO and the overall attainment of that CO

is based on average mark set as target for final attainment.

1. Mid Examinations are conducted twice a semester and each of them covers the evaluation of the entire relevant COs attainment.

2. Semester End Examination is descriptive, and a metric for assessing whether the entire COs are attained.

3. The indirect assessment is done through the course end survey.

Rubrics

Rubrics are formulated for the assessment of Laboratory, Mini Project, Major Project, Seminar and Internship courses. The attainment of Course Outcomes of all courses with respect to set attainment levels are given under.

% of CO attainment	>=70%	>=60% &< 70%	>=50% &< 60%	<50%
CO attainment level	3	2	1	0

The attainment of each CO is computed by setting the class average mark as the target. The COs of each course are mapped to POs & PSOs with weight ages of 3 (Strong), 2 (Medium) and 1(Weak). The value obtained for CO attainment is multiplied by 1 for strong, 0.8 for medium and 0.6 for low correlation with the PO.

Assessment of Course outcomes of Lab courses

The course outcomes of a practical course should satisfy at least any one or more of the defined program outcomes. These describe what students are able to demonstrate in terms of knowledge, skills, and values upon completion of the said course. Percentage of students who score more than 80% marks in each measured criterion is taken for calculating CO attainment.

Attainment of Program Outcomes and Program Specific Outcomes

All the courses which contribute to the PO are identified and these courses are evaluated through the Course Outcomes using direct (Internal (25% weight age) and External exam (75% weight age) and indirect (Course end survey) assessments. The overall results from the assessments of the PO are compared with the expected attainment. The PO is considered satisfied on attainment of the expected level. For each course, the level of attainment of each CO is compared with the predefined targets, and if not attained, the course coordinator takes necessary steps for improvement. If the target criterion level is not reached, then faculty suggest for improvement to attain the same

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional information	[View Document](#)

2.6.3 Average pass percentage of Students during last five years

Response: 86.57

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

2020-21	2019-20	2018-19	2017-18	2016-17
442	419	473	601	556

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

2020-21	2019-20	2018-19	2017-18	2016-17
535	477	532	716	621

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for the annual report	[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 currently enrolled students (Data Template)	View Document
Upload any additional information	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, Chairs in the institution during the last five years (INR in Lakhs)

Response: 31.55

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)**

2020-21	2019-20	2018-19	2017-18	2016-17
7.75	7.90	5.45	5.30	5.15

File Description	Document
List of endowments / projects with details of grants	[View Document](#)
e-copies of the grant award letters for sponsored research projects / endowments	[View Document](#)
Any additional information	[View Document](#)

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 0.58

3.1.2.1 **Number of teachers recognized as research guides**

Response: 1

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 24.39

3.1.3.1 **Number of departments having Research projects funded by government and non-government agencies during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	0	0	0

3.1.3.2 Number of departments offering academic programes

2020-21	2019-20	2018-19	2017-18	2016-17
9	8	7	8	9

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[View Document](#)
Any additional information	[View Document](#)
Paste link to funding agency website	[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:

Innovation is conversion of idea leading to improvement in way of doing things depending on availability of resources with guidance from those who are more experienced around us.

Objectives of the Cell

- To motivate students to bring out their hidden talents in various disciplines of Engineering,
- To provide platform to realize and believe in themselves.
- To empower students to become young entrepreneurs.
- To create an innovative environment for the students to discover, develop, deploy and express their skills and talents.
- To motivate students to take part in Hackathons & prototype development, Technical Tutorials.
- To encourage students to carry out their hidden talents in various disciplines of Engineering.

The institution is providing training programs to students in addition to that innovation to idea development, entrepreneurship for employability and CRT programs for skill development

The Institution provides contributing environment for promotion of Innovation and Incubation. All required facilities are provided and Guidance is extended to the students for their research and innovative projects. Students are encouraged to involve actively in the usage of Technology for societal needs. Required level assistant is extended for preparation of required documents, publication of research papers and also for obtaining patents.

Awareness meets, workshops, seminars and guest lectures are organized to develop entrepreneurial skills. The institution is providing opportunities to students to interact directly with the outstanding entrepreneurs who are excelling in their areas. Marketing awareness programmes are also conducting to inculcate marketing skills which highly useful to market their products.

Students are encouraged by arranging needed financial support to undertake major and minor research projects which useful to their professional career in particular and society in general.

The institution is also conducting workshops on trending technology to create awareness. Students are encouraged to held model expos which help them to gain hands on experience and good industrial knowledge and awarded with cash prizes for best ones.

Students are encouraged to map their latest innovative ideas and innovations for society use. Students carried out their innovations in designing and fabricating the vehicles and participated in various competitions.

During the last five years PhD faculties published various research papers in reputed and indexed journals and working actively in the research in their domain areas.

The institution has been conducting contests on emerging trends and HACKTHONS through which students will be exposed to latest industrial requirements.

The institution extends needed financial support to students who participates contests and competitions held by other organizations to exhibit their ideas and models. This helps the students to grab the opportunity to acquire additional skills and market their products.
The Local Entrepreneurs are invited to address the students and inspire them to move towards startups.

This institution invites eminent experts as guest lecturers from other academic institutions and industries to facilitate the students in multi-disciplinary areas and establish networking with the other organizations.

File Description	Document
Upload any additional information	 [View Document]
Paste link for additional information	 [View Document]

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

Response: 22

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

2020-21	2019-20	2018-19	2017-18	2016-17
5	6	4	5	2

File Description	Document
Report of the event	 [View Document]
List of workshops/seminars during last 5 years	 [View Document]
Any additional information	 [View Document]

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 2

3.3.1.1 **How many Ph.Ds registered per eligible teacher within last five years**

Response: 2

3.3.1.2 **Number of teachers recognized as guides during the last five years**

Response: 1

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<u>View Document</u>
Any additional information	<u>View Document</u>
URL to the research page on HEI website	<u>View Document</u>

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 0.93

3.3.2.1 **Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
32	35	39	54	31

File Description	Document
List of research papers by title, author, department, name and year of publication	<u>View Document</u>
Any additional information	<u>View Document</u>

3.3.3 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: 0.61

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

2020-21	2019-20	2018-19	2017-18	2016-17
22	11	84	5	4

File Description	Document
List books and chapters edited volumes/ books published	[View Document](#)
Any additional information	[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:

The college organizes a number of extension activities to promote institute-neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development. The college runs effectively National Service Scheme Units. Through these units, the college undertakes various extension activities in the neighborhood community. NSS organizes a residential seven day camp in nearby adopted village and several activities were carried out by NSS volunteers addressing social issues which include cleanliness , tree plantation ,water conservation, drug abuse, gender sensitization through construction of Shramadanam , Social interaction, Group discussion Eradication of superstition, Beti Bacho Beti Padhao, Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, Health check up camp, etc.

Indian government sponsors the National Service Scheme (NSS) as a public service program under the Ministry of Youth Affairs and Sports. It is popularly known by its name as NSS. This NSS scheme was launched in 1969 i.e. Gandhiji's Centenary year. The intention of this scheme is to motivate the youth to participate actively in community service while studying in higher education.

AIMS & OBJECTIVES OF NSS:

1. The main aim of the NSS is to develop the personality of students through Community service. The other objectives of NSS are:
2. To understand the community where they are working
3. To know their relation to their community
4. To develop social and civic responsibility among themselves
5. To gain skills in mobilizing community participation
6. To acquire leadership qualities and democratic attitude
7. To develop capacity to meet emergencies and natural disasters
8. To practice national integration and social harmony

NSS in Vaageswari College of Engineering:

The NSS unit of the college comes under JNTUH Hyderabad. It aims at developing qualities of leadership, patriotism, maintaining discipline, character building, spirit of adventure and the ideal of self service.

The NSS units of the college organize various extension activities as tree plantation, Road safety awareness, Ekta daud for health, Save fuel save country programme, Swachhta Abhiyan, National equality awareness.

Other than NSS, the various departments of the college are conscious about their responsibilities for shaping students into responsible citizens of the country by making students aware of social issues through various programmes like Environmental Awareness, Personal Health and Hygiene, Diet awareness, Road Safety, Tree Plantation, Soil and Water Testing, Plastic eradication, No vehicle day, Jananisuraksha, Programme on female feticides, organizing visit to Orphanages and Anganwadi, Voters awareness, Blood group detection ,Health check -up camps, Blood donation camps, Dental checkup camp, etc. All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self confidence of students. It also helped in cultivating hidden personality of students and created awareness among students.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 24

3.4.2.1 **Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
3	7	5	4	5

File Description	Document
Number of awards for extension activities in last 5 year	[View Document](#)
e-copy of the award letters	[View Document](#)
Any additional information	[View Document](#)

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 59

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

2020-21	2019-20	2018-19	2017-18	2016-17
5	16	14	12	12

File Description	Document
Reports of the event organized	[View Document](#)
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	[View Document](#)
Any additional information	[View Document](#)

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 53.17

3.4.4.1 **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
652	1718	1570	1260	1550

File Description	Document
Report of the event	[View Document](#)
Average percentage of students participating in extension activities with Govt or NGO etc	[View Document](#)
Any additional information	[View Document](#)

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 123

3.5.1.1 **Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
40	25	8	19	31

File Description	Document
e-copies of related Document	[View Document](#)
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	[View Document](#)
Any additional information	[View Document](#)

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 25

3.5.2.1 **Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
4	5	6	5	5

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

20-07-2022 11:25:12

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

The institution is provided with good and modern infrastructure facilities for better teaching learning process. The campus is provided with excellent physical infrastructural facilities spread over **7.5 acres** of land to support the teaching-learning process. The institution has total built up area of **28544 Sq.m.** and carpet instructional area of **11880 Sq.m.** The institution has total carpet administrative area of **1619 Sq.m.** access and circulation area of **6211 Sq.m**, total carpet amenities area of **1361 Sq.m.**

Classrooms:

The institute has ample number of spacious and well equipped classrooms and the institute has well ventilated classrooms with proper lighting and acoustics. The dimensions of the classrooms are well designed for proper visibility and audibility of the board. The institute has sufficient number of classrooms with LCD projectors, WiFi, and ICT facilities for effective Teaching Learning process. The Institute has a sufficient number of tutorial rooms to conduct tutorial classes for weak students.

Seminar Halls:

The college has sufficient number of seminar halls equipped with LCD projectors, WiFi, Audio, and ICT facilities to conduct various activities like conferences, workshops, guest lectures, webinars, and seminars etc.

Laboratories:

The institute has well equipped laboratories with state-of-art infrastructure are established and maintained as per the curriculum activities. The institute has adequate number of computer laboratories with LCD projectors, WiFi, LAN, and ICT facilities. The college maintains department wise separate laboratories with well ventilated and well equipped and maintained.

Computing Equipment:

The Institute has a well developed Computing resources which include 709 computer systems, server, scanners/printers, CD/DVD writers and accessories which are used for various purposes like Lab experiments, research activities,etc., The institute has a separate well specialized language laboratory to support and enhance the communication skills and personality development of the students. All computers are connected in LAN and their access to internet facility is restricted. All the necessary software for delivering the courses are available in the respective departments and laboratories. The total internet bandwidth available in the institution is 1000 Mbps.

Central Library:

The Institution library is automated with NewGenLib ILMS Software and DELNET software for accessing e-books, e-journals. The college has adequate number of computers in Digital Library. The institute has a commodious Library with a total carpet area of 1050 Sq. mtrs. and seating capity is 160. Library consists books of Engineering, Technology, Computer applications, and Management along with Journals, Magazines, Publications, Thesis, Project Reports, Rare Books.

Additional facilities:

The institute has a medical dispensary, Stationary stores and reprography facility. Canteen caters quality and hygienic food to the students and faculty. Purified Drinking water coolers on every floor are in place. For uninterrupted power supply the campus is bracketed with 125 KVA Generator. The entire campus is under CCTV surveillance from the point of view of security.

Physical facilities:

S.NO	Particulars	Number	
1	Class Rooms	47	
2	Tutorial Rooms	10	
3	Drawing Halls	2	
4	Seminar Halls	3	
5	Laboratories	51	
6	Computing Facilities	1	
7	Central Library	1	

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

The institution has adequate facilities to promote sports, games and various cultural activities and offers the individually an opportunity for all-round development by enhancing self-knowledge, personality

development, courage and social interaction.The sprawling play area for outdoor sports and indoor games room is provided with adequate seating arrangements and material to play. To develop team spirit, leadership qualities and organizing abilities among the students sports hour is included along with regular curriculum. Full time qualified Physical Director's are appointed to look after the day-to-day games and sports activities. Students are encouraged to participate in inter-college competitions.

EXTRACURRICULAR ACTIVITES:

The institute has an excellent in sports for both indoor and outdoor games. Indoor games room is available for Carom, Chess, Table Tennis, etc. Outdoor games are available for Kabaddi, Volleyball, Kho-Kho, Basketball, Badminton, Tennikoit and Throw-ball. College team participates regularly in these sports. Inter department and intra-department competitions as well as student's competitions in indoor and outdoor games.

The Physical directors take the utmost care in training the students. Our students are trained by eminent trainers in outdoor games like Volleyball, Basketball, Kho-Kho, Kabaddi and indoor games like Chess, Caroms and Table Tennis.

The institution encourages the students to participate in various intra and inter-college levels, University level, State level and National level competitions.

INDOOR GAMES:

S.No.	Facility	Year of Established	User Ra
1	Carom Board	2006	20
2	Chess	2006	06
3	Table Tennis	2006	06

OUTDOOR GAMES:

S.No.	Facility	Area/Size	Year of Established	
1	Basketball	420 Sq.m (l=28m,w=15m)	2006	
2	Kabaddi	130 Sq.m (l=13 ,w=10)	2006	
3	Throwball	216 Sq.m (l=18.30m, w=12.20m	2006	
4	Kho-Kho	448 Sq.m (l=28m,w=16m)	2006	
5	Volleyball	162Sq.m (l=18m,w=9m)	2006	
6	Badminton	81.74 Sq.m (l=13.4m, w=6.1m)	2006	
7	Tennikoit	67.1 Sq.m (l=12.2m, w=5.5m)	2006	

CULTURAL ACTIVITIES:

The institution gives importance to cultural activities like singing, dancing, mono-act, skits, and elocution etc. and provide facilities for practice such activities. In order to provide a platform to explore the talents of

students, the institution conducts annual day and special days (like Women's day, Engineer's day, and different festivals). At the department level, each department encourages the students to perform cultural activities during various occasions such as Fresher's Day and Farewell Day.In order to provide a platform to explore the talents of students, the Institution conducts Traditionalday and Annual day. In order to encourage the culture, regularly we are conducting BATHUKAMMA celebrations to the department wise as well as through out the college including faculty and students. The institution conducts, kite flying, Rongoli celebrations for the occasion of Sankranti festivals.

GYMNASIUM:

The institution's Gym is equipped with a range of free weights and fitness equipments. The Gym is kept open before college hours as well as after college hours in all working days.

YOGA:

The institution gives important place to YOGA. The institution frequently conducts yoga classes to the students and faculty members.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. *(Data for the latest completed academic year)*

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 50

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 9.04

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary year-wise during last five**

years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
34.50	40.87	47.70	53.39	23.91

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	[View Document](#)
Upload audited utilization statements	[View Document](#)
Upload any additional information	[View Document](#)

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

To make the functioning of Central library easy, effective and automated, the institute has enabled the central library with NewGenLib and DELNET software's. The Library accommodates Faculty, Students and other Staff members to access various library facilities like:

- Books
- Journals
- e-books
- e-journals
- Rare Books
- Digital library service
- SWAYAM
- NPTEL
- SC/ST Book bank service
- OPAC (Online Public Access Catalog) service
- Thesis Reports carried out by Faculty
- Reports of project carried out by students
- Daily News Papers

The institute has a commodious Library with a total carpet area of 1050 Sq. mtrs. consists books of Engineering, Technology, Computer applications, and Management along with Journals, Magazines, Publications, Thesis, Project Reports, Rare Books. The reading room facility is available and can accommodate up to 160 people. Our Library consists of 6899 titles with 56002 Volumes, 1050 e-books, 109 Journals and 10 Magazines along with Newspapers.

The NewGenLib software consists of modules on Acquisition, Cataloguing, Circulation, Serials, Article

Indexing and OPAC. All the faculty, students, and other staff members are issued with Library account along with barcode, and books are enabled with barcode stickers and to circulate the books to faculty, staff and students, Laser Barcode Scanners are used to ease, accurate and speed up the circulation. The data base for the details of recently acquired Books, Journals, Rare Books, Publications is being updated using barcode with day to day basis and made available in the database of NGL library.

When a member enters into the Library, he/she need to scan his/her Bar-coded ID card at the Login Counter (where a Laser barcode scanner) provided at the entrance of the Library and also need to write the details in the Library Gate Register for the Login entry. If a person needs to collect a book or return a book, he/she need to provide the book at the Issue/Return Counter to issue/return the book, the Barcode enabled ILMS software identifies the book details when scanned along with the member ID and then check out/in the book.

OPAC (Online Public Access Catalog) Service: Faculty, Staff and students can access OPAC service remotely or In-house. Every member is provided with a unique User id and Password through which they can access the Library OPAC service and can verify the books in their account, availability of any book item in the library, and can request for an issue of a book. Through this service they can access the History of books circulated using their account.

DELNET: Central library in the Institute uses DELNET software, to access e-books, e-journals and database remotely. The database maintained has 3,52,45,416 of bibliographic books, 1,04,569 of periodicals and is regularly updated and new titles are added annually, the database also contains 20,235 union catalogue of periodicals, 11,24,250 Database of Periodical Articles, 61,750 CD-ROMs, 6,000 videos, 1,025 audio records, 1,30,753 of Theses and Dissertations submitted to Indian Universities, 1613 e-books.

Timings:

Working days   :   8:30AM to 6:30PM

Examination days   :   8:00AM to 7:30PM

Holidays   :   9:00AM to 12:00PM

File Description	Document
Upload any additional information	[View Document](#)
Paste link for Additional Information	[View Document](#)

4.2.2 The institution has subscription for the following e-resources

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books

5. Databases
6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 9.13

4.2.3.1 **Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
8.96	9.35	9.33	9.19	8.83

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 24.42

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 599

File Description	Document
Details of library usage by teachers and students	[View Document](#)
Any additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Vaageswari College of Engineering is committed to modernizing IT infrastructure facilities, such as internet bandwidth, computer configuration, all the class rooms and seminar halls equipped with LCD projectors, and ICT facilities, among other things, in order to provide state-of-the-art infrastructure for the teaching-learning process. In means of providing internet access to students and faculty, the institute is well equipped adequate number of systems with internet connectivity. The university places a high value on cutting-edge infrastructure to enhance and enable successful teaching-learning practices. Each department's requirements for updating of existing IT accessories, as well as the procurement of new equipments, and upgrading to new softwares are collected at the begining of academic year and the same is processed thorugh proper channel.

The Principal's Office, Front Office, Examination Section, Training and Placement Cell, Heads of the departments and Faculty mrooms and all Departments are well equipped with computer systems, scanners, printers, reprography machines, Wi-Fi routers with advanced configurations.

The computer labs are with internet facility and are respectively installed with licensed/ open source software in all departmental labs depending on requirement like MATLab, Mentor graphics, Ubuntu, AutoCAD, Turbo C++ which are upgraded to meet the standards as provided in the curriculum. The Institution implements of Bio-Metric attendance system to all Faculty & Staff members as per the univeristy guidelines. Printer and Scanners available in the campus are increased as per the requirement. All HODs, and other higher administrative authorities have access to a scanner and printer.

The institute currently has about 709 systems with high configuration in various laboratories to fulfill the requirements of curriculum and content beyond the curriculum in order to make them current and industry-requirements. The institute is committed to increasing internet bandwidth on a regular basis. To enable speedy internet access, internet bandwidth has been boosted to 1000 Mbps.

Students get access to computer labs with the most up-to-date software and Internet access. Updates to hardware and software are made in response to the latest syllabus's demands as well as student input.

To accomplish 24x7 campus surveillance, CCTV cameras have been deployed in all notable and essential places. Because the IT area is rapidly expanding, the dedicated Network team is focused on improving IT infrastructure in order to give the best possible service to students. To conduct traning and placement related online exams, institution equipped all the computer labs with adequate facilities.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 3:1

File Description	Document
Upload any additional information	[View Document](#)
Student – computer ratio	[View Document](#)

4.3.3 Bandwidth of internet connection in the Institution

Response: A. ?50 MBPS

File Description	Document
Upload any additional Information	[View Document](#)
Details of available bandwidth of internet connection in the Institution	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average 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: 14.73

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)**

2020-21	2019-20	2018-19	2017-18	2016-17
28.94	40.45	48.68	98.14	149.32

File Description	Document
Upload any additional information	[View Document](#)
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	[View Document](#)
Audited statements of accounts	[View Document](#)

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

The institution constitutes a well defined process for the maintenance of its physical equipment, believing that regular maintenance of equipments ensure proper functioning for long period. The utilization of physical and academic facilities is taken care by respective section heads. There are standard operating procedures for proper utilization and maintenance of academic and other support facilities.

The College has appointed full-time staff to maintain facilities such as buildings and transportation, Electricity, housekeeping, gardening etc. Regular cleaning of college floors, classrooms, laboratories, laboratories Equipment, restrooms, college grounds are all furnished by the housekeeping team under the supervision of the College Supervisor. College transportation vehicles are regularly maintained and it is maintained in accordance with the State Transport Regulation Act.

1. ACADEMIC SUPPORT:

MAINTENANCE OF THE CAMPUS: Regular maintenance of electrical, plumbing, housekeeping, transport and infrastructure in the entire college is supervised by the College supervisor. A team of around 20 women monitored by administrative staff regularly ensures the cleanliness and maintenance of the college. The common places, staff rooms and class rooms, laboratories, are cleaned daily and gardening is done periodically. To improve the physical ambience of the campus, several following initiatives are taken from time to time.

- Periodic painting and white washing of building and labs.
- Ground-men for maintaining grounds, lawns and upkeep of plants.
- Tree plantation drives through **Harithaharam** every year.
- Adequate House-keeping staff for general cleaning.
- Rest rooms.
- Stock verification of lab equipment and library books is done at the end of every year.

CLASSROOMS:

At the beginning of each semester the readiness of the classrooms, ICT facilities and furniture are verified and also, all the classroom amenities are verified and maintained periodically to uphold effective teaching-learning practice.

- **Maintenance:** Institution has a supervisor who regularly maintains the boards, benches, fans and lights. The black board, benches and windows are cleaned everyday by housekeeping staff. The In-charges at least one member from each of the academic department whose responsibility is to identify any problem related to the infrastructure maintenance of the class rooms and conveyed to Supervisor and Supervisor conveyed to Principal for necessary actions.
- **Utilization:** As per the AICTE norms, each department is provided with the required number of classrooms for conducting class room activities. The institution has adequate number of classroom to each department for smooth conduction of academic activities.

MAINTENANCE OF POWER AND WATER SUPPLY:

Regular check up and maintenance will be carried out by the Supervisors for providing fresh and filtered water to the institution. Electrician(s) are responsible to carry out the supply and maintenance of Electricity to in the campus. Most of the maintenance work is completed during summer break and a close monitoring of maintenance activities is a prime responsibility of all the HODs and the In-charges of various facilities and the Staff is accountable to the Principal.

The institution is maintaining sufficient power backup with a 125KV capacity generator.

LIBRARY MAINTENANCE:

Maintenance of College Library involves regular monitoring of the stack, new books/journals into display racks for displaying, arranging the books in the shelves after student/staff use. Along with these, and cleaning at regular intervals to reduce the damage caused by dust, insects and pest invasion. Librarian collects the list of required books, journals and other resources from all HODs during the commencement of each academic year. The list is duly verified and approved by the Principal. Gate register for visitors (students and staff) to ensure the effective utilization of library resources.

LABORATORY MAINTENANCE:

All laboratories are effectively used by the students as per their time table during the college hours. Lab Attendance register, stock register, Invoice files and purchase bills are maintained for each lab. The entry register is maintained to ensure the effective utilization of equipment. Regular inspection of Lab equipment is carried out as per the schedule given by the lab incharges. All the minor repairs are carried out by the lab incharges or the faculty incharge of the concerned lab.

For major repairs of the equipment will be carried out by the following procedures:

1. Service request is raised by the lab incharge, and forwarded to the principal through Lab incharge and HOD.
2. After approval of service request, quotations are called from service provider and forwarded to the principal for approval.
3. After approval, service is carried out in the respective Lab in presence of incharge.
4. After servicing, the work completion statement and service bills are submitted in the accounts department through proper channel for payment.

IT MANTENANCE:

System administrator resolves the issues like installation of software, anti-virus, firewalls, hardware trouble shoot and maintenance of CCTV cameras, Bio-metric and network issues. Annual Maintenance Contract (AMC) is given to the third party for major computer repairs, services, and etc., after the problems are identified and listed out by the college system administrators; a service request is forwarded to the principal through Lab-incharge and HOD. After receiving a request from college third party visits the campus and rectifies the issues.

2. PHYSICAL SUPPORT:

SPORTS AND GAMES (INDOOR & OUTDOOR): Sports in the institution play a central role in preparing the students to be psychologically and physically strong to face adversaries with a competitive spirit. Physical Directors (PDs) maintains the sports facilities available in the institution. The playground is maintained regularly under the supervision of the Physical Director with the supporting faculty. Indoor and outdoor sports infrastructure facilities are properly maintained throughout the year.

SEPARATE HOSTEL FOR GIRLS: The institution maintains a separate hostel for girl's students to ensure the safety and security. College runs the hostel with best amenities and comforts to create a homely environment in the hostel.

FIR EXTINGUISHER KIT: VGSE campus has fire extinguishers in all floors and major areas in the campus.

TRANSPORTATION:

Institution has excellent transportation facility is available for both students and staff. College buses cover all the major locations of the city. The institution is well connected by TSRTC busses to the city.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 55.5

5.1.1.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2020-21	2019-20	2018-19	2017-18	2016-17
1290	1034	1389	1586	1773

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	[View Document](#)
Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)	[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 20.39

5.1.2.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2020-21	2019-20	2018-19	2017-18	2016-17
749	608	467	276	407

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)	View Document

5.1.3 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
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 44.05

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

2020-21	2019-20	2018-19	2017-18	2016-17
1571	843	881	1138	1077

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document
Any additional information	View Document

20-07-2022 11:25:13

5.1.5 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 any additional information	[View Document](#)
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document](#)
Details of student grievances including sexual harassment and ragging cases	[View Document](#)

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 23.01

5.2.1.1 **Number of outgoing students placed year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
187	102	114	170	84

File Description	Document
Upload any additional information	[View Document](#)
Self attested list of students placed	[View Document](#)
Details of student placement during the last five years (Data Template)	[View Document](#)

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 9.35

5.2.2.1 **Number of outgoing student progression to higher education during last five years**

Response: 50

File Description	Document
Upload supporting data for student/alumni	[View Document](#)
Details of student progression to higher education (Data Template)	[View Document](#)
Any additional information	[View Document](#)

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 75.78

5.2.3.1 **Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, *etc.*)) year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
11	9	19	3	4

5.2.3.2 **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**

2020-21	2019-20	2018-19	2017-18	2016-17
14	11	22	4	7

File Description	Document
Upload supporting data for the same	[View Document](#)
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	[View Document](#)
Any additional information	[View Document](#)

5.3 Student Participation and Activities

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

Response: 37

5.3.1.1 **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) year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
05	08	11	09	04

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	[View Document](#)
e-copies of award letters and certificates	[View Document](#)
Any additional information	[View Document](#)

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

5.3.2 Institute facilitates student representation and engagement in various administrative, co-curricular and extra-curricular activities.
Response:
Vaageswari College of Engineering (VGSE) provides opportunities for the students to grow part of academic and administrative bodies constituted for the advance of the institute. The students of VGSE involves in several student-related committees. These committees are formed by involving the faculty and student members of the institute. All these committees are headed by the Principal for proper monitoring and control. The following is the list of committees where the students are involved:
Anti-Ragging Committee: This committee is formed to supervise the actions like teasing, treating, or handling with rudeness any student, indulging in rowdy or indisciplined activities within the institute premises. The committee members assist in strictly implementing the anti-ragging Act to make a

ragging-free campus.

Sports & Games Activities Committee (SGAC):

The SGAC in the institute offers students both indoor and outdoor sporting venues for their use. Students are encouraged to take part in college-sponsored sporting events. The champions at the college level will be considered to compete at the intercollegiate and inter-university levels.

Alumni Association Club:

An alumni association is a group that was once a student or, more broadly, graduates. Social gatherings, newsletters, and fund-raising activities are usually planned by these organizations.

Grievance Redressal Cell:

The grievance redressal cell's role is to investigate and assess the merit of any complaints made by college students. Investigation of harassment-related issues is another duty of the grievance cell.

National Service Scheme (NSS) Unit:

The aim of this unit strives to inculcate in the student a sense of social responsibility and to encourage them to serve others without discrimination.

Training and Placement Cell:

A Training and Placement Cell has been established to aid students in refining their abilities and finding employment possibilities.

Disciplinary Committee:

This was established to secure institutional discipline. As the college community pursues its educational aims and goals, the committee will make sure that students follow the rules and maintain calm and order.

Women's Protection Cell:

To inform female students and employees of their legal rights and work to amplify their voices through initiatives that advance gender equality and women's welfare.

Transport Committee:

The college has a fully operational transportation department that uses buses to transport students and faculty to and from various locations.

SC/ST and BC Cells:

This cell supports the specific needs of students who fall under the reserved category and helps them make the best use of the advantages of the government of India's programs.

Anti-Sexual Harassment Committee:

To establish a safe environment that will discourage sexual harassment in both the physical and social environments. Also to encourage the creation of a sexually harassment-free environment.

Internal Committee for the students with disabilities:

For the benefit of its students with disabilities, the Vaageswari College of Engineering has established an internal committee. The primary goals are to address any issues and needs while ensuring that the Institute's campus is accessible to all disabled students who are enrolled in the college.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution

participated during last five years (organised by the institution/other institutions)

Response: 414.2

5.3.3.1 **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
108	513	489	482	479

File Description	Document
Upload any additional information	[View Document](#)
Report of the event	[View Document](#)
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	[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:

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non-financial means during the last five years.

Response:

Vaageswari College of Engineering has well connected Network of its Alumni. The Alumni Association includes all former students of the institute. The alumni support the institution and contribute to its institutional and academic development. Alumni Association includes all passed-out students of the institute. The alumni association is a liaise to communicate and seek cooperation from the alumni working in academic institutions, research organizations, government, and non-government organizations, etc in India and abroad to coordinate with the institution and to give suggestions to the existing students. The association works for the cause of improving the quality of the learning environment in the institute. The alumni give valuable suggestions for implementing programmes which help in meeting the industry requirements. The college alumnus meets periodically to discuss the plan of activities during an academic year.

The objectives are to Enhance employment and internship opportunities and help current students receive mentoring Support from the Alumni; encourage, Motivate and educate course pursuing students through

Guest Seminars/Workshops.

The alumni of our institution are placed in reputed organizations like TCS, IBM, WIPRO, INFOSYS, COGNIZANT, Tech Mahindra, HCL, ACCENTURE, CAPGEMINI Banking Sector, and State Government Services, etc. The executive body periodically organizes alumni meets on the campus and also if the majority of the alumni request, the institution is willing to conduct meets in Hyderabad. The Alumni help the students by sharing their knowledge and experience of the latest technology and also encourage students in developing entrepreneurship skills and also provide placement opportunities. They also represent the institute and promote its reputation.

The alumni association works for organizing invited lectures, seminars, workshops, and training programs for the overall development of students and staff of the institute. It also works to impart knowledge about the latest technologies to the students of this institute who are largely from a rural setup. Some alumni gave referrals for placements. The association helps in providing specialized training to the youth in various aspects of computer technology. It also renders possible assistance to staff engaged in teaching, training, research, governance, administration, and other matters.

The College invites the alumni for all activities such as Curricular Design Workshops/ meetings, Partial course delivery, Orientation Day Program, Graduation Day Program, Annul Day Program, Cultural Day Program, Sports Events, and NSS Activities etc.,

One of the objectives of the association is to develop a mutually supportive relationship with alumni and to encourage lifelong learning and continued growth of the alumni and at the same time provide opportunities to contribute in their own way to their Alma mater.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: A. ? 5 Lakhs

File Description	Document
Upload any additional information	[View Document](#)
Link for any additional information	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

Vision:

To establish an institute which promote emerging technical skills for rural students and there by transforming them into globally competent personalities.

Mission:

- To educate students towards excellence in cutting edge technologies
- To work in association with industry and making the students productive and industry ready
- To instill students learn ethical and moral values towards society.

Objectives of the Institute:

The Institution will provide all the facilities like

- Academic programs relevant to the modern environment.
- To develop technical competency and quality consciousness among students.
- To provide globally contemporary suitable and conducive environment for students and staff for academic purpose.
- Update the academic infrastructure like libraries, laboratories, and social service.
- To put into practice effective & efficient Teaching–Learning practices.
- Effective guidance in personality development and career prospects.

To implement the above objectives, an administrative structure is evolved with the Board of Governors (BOG) consisting of Chairman, General Secretary, Treasurer, Principal and members. Their duties and responsibilities are well defined consisting with the legislative prescriptions of the Government. The members of the Governing council are jointly responsible to the members on one hand and to the Government including the local community on the other hand with regard to the management of academic standards so as to improve the capabilities and knowledge of all the participants in the Institute.

The Institution provide facilities like (a) academic programs relevant to latest technologies (b) establish industry and institution connectivity (c) create an awareness in the community about the changing educational needs fir the social and economic development (d) update the infrastructural facilities viz. laboratories and library.

Governing Council Functions:

- To oversee the academic and activities related to it in the college.
- To implement the recommendations of the Staff Selection Committee.

- To consider and plan execution of policy decisions received from the university, Government and AICTE.
- To appoint the Principal, teaching and non-teaching staff as per recommendations of the staff selection committees constituted by Jawaharlal Nehru Technological University, Hyderabad.
- To observe faculty duties, development, placement of students, Industry-Institute activities in the college and suggest necessary inputs.
- To check activities for effective and efficient system of control and accountability.
- To supervise institutional performance and quality assurance arrangements.
- To upgrade transparency and openness at every level and implementation of e-governance.
- To discuss and sanction the budget and expenditure.
- To discuss Action taken report of the Institution on feedback report obtained from all stakeholders.
- To execute the recommendations of the Governing council.
- To endorse the income and expenditure of the college annually.
- General supervision and control of the affairs of the college.
- The Governing Council shall hold, control and administer the property and funds of the College as well as other funds placed at the disposal of the College for any specific purpose.
- To consider the Annual Report, the Annual Accounts and the Financial Estimates.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

Faculties are assigned the strategic plan to implement various activities in smooth functioning of the college to achieve objectives. The principal will synchronize these activities with the support of the Heads of all the departments. The faculty members are actively involved in implementing and improving the quality of programs. The management frames the policy statements and action plans after careful examination and consideration. Management takes care of stake holders' inputs, industrial and social heads while drafting policy statements. The Principal acts in accordance with strategic plan and makes certain that every teaching and non-teaching staff have active association in development of students.

Following are the stake holders

Students:

1. Innovative teaching and learning methodologies are introduced after taking feedback from students and subsequently implemented in the following semesters by intimating the faculty members.
2. Elective courses are introduced to meet current trend after taking inputs from students.

Alumni:

1. Alumni are consulted to motivate and encourage students in deciding career and higher education in India or abroad.
2. It is through inputs and suggestions from Alumni elective courses are selected to bridge the gap between education and industry needs.

Industry:

1. It is by industry interaction, the students are made aware of changing trends in employable skills.
2. Through internships students are trained and executing technical roles as well as grooming them for leadership positions.

Faculty:

1. Faculty members involve in various committees to ensure the smooth functioning and monitoring of the program as per regulations.
2. Faculty members provide inputs for designing the programs and effective implementation of PEOs/POs, course objectives and assessment.

Management:

1. Management maintains coordination among all the stake holders of the institute for smooth functioning and growth of the institution.

Parents:

1. Desire their wards to settle in good professional careers and pursue higher education.

College Academic Committee (CAC):

College academic council is formed to discuss the academic matters of the college. Members of the committee give their suggestions and directions for the smooth running of the college in academic aspect. The Principal of the College shall be the Convener of its Academic Committee, and the Chairman for all the meetings of the Committee.

Functions of CAC:

- To review the academic and other related activities of the college
- To review the students and faculty development Programmes
- To visualize and formulate perspective plans for the development and growth of the college
- To formulate Master Plan for campus development, facilitating the implementation of the provision of the perspective plan
- To draw new schemes of development for the college
- To plan for resource mobilization through industry interaction, consultancy and extra-mural funding

- To promote research and extension activities in the college campus
- To promote teaching innovations and student placement Programmes
- To plan for sustaining the quality of education, quality improvement and accreditation of the college
- To review students attendance/malpractices in examinations.
- To oversee the internal examinations / evaluation / recording

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The college is having a five year strategic plan which was prepared for five successive years from 2012-2017. The management's vision of providing holistic education for providing academic excellence and professional ethics in the students during the course of their education at the institute. Further, it was also planned to build technology integrated development, global competence and fostering entrepreneurship in young learners and faculty members of the institute. Therefore, the college identified and developed strategic plan consists of the important goals keeping creation of knowledge in the mind viz. Institutional Development, Infrastructure Development, Strengthening Faculty, Research and Development, Training and Placement Cell.

Development is an on-going process with targets, strategies, action plans, evaluation and corrective measures. The institute has a strategic plan for the development of students in tune with its vision and mission. In an effort to create a quality engineering workforce and upgrade the institute, sustainable long term training plans are prepared. An environment of learning and development is created for the students to learn and grow. Continuous performance appraisal is done and changes are incorporated to suit the needs of the academia and industry.

The college offers Under Graduate (UG) and Post Graduate (PG) programmes. The management strongly believes that strong Research makes the foundation for knowledge creation and several measures have been taken to strengthen the research and development. The management introduced incentives to the faculty to attend conferences and workshops.

To keep up pace with emerging changes in the field of technical education, a strategic plan was conceived and it acts as a tool to measure effectiveness, deviation and see how goals and targets are achieved. Strategic plan aims at collective efforts at different levels.

Training and Placement: Students are subjected to various skill programmes like soft skills, management skills, leadership skills, aptitude and interactive communication skills.

Technical Clubs: Clubs are associated with Institute of Electrical and Electronics Engineers (IEEE), Computer Society of India (CSI) and Indian Society for Technical Education (ISTE) societies. Through cooperative learning students get right exposure required for higher education and career.

Industry Expert Interaction: Experts from Industry are invited to deliver guest lectures. Industrial visits and Internships are part of strategic plan.

Workshops and Seminars: Technical workshops are arranged and students are encouraged to present research papers and participate in seminars within and outside colleges.

ICT and Library: As a part of efficient and effective outcome, the institute is equipped with Information and Communications Technology (ICT) and latest Library facilities which include Digital library.

Project based learning: Students are imparted to do mini and major Projects/Internships to enable them to better concept learning via hands on experience.

General welfare measures: Institute takes welfare measures like Provident Fund (PF), Group Insurance, subsidized bus transportation and food facility to staff members.

File Description	Document
Upload any additional information	[View Document](#)
strategic Plan and deployment documents on the website	[View Document](#)
Paste link for additional information	[View Document](#)

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

The society was established by an eminent and educated personalities in the name of Goddess Saraswathi Devi, Sree Vaageswari Educational Society during the year 2003 under the leader ship of General Secretary Dr. G. Sreenivas Reddy Garu, who is a doctor in Ayurveda and a dedicated missionary and crusader in the field of education, is the spirit and force behind this reputed organization. The society was established with a crystal vision to produce professionals having scientific intellect, innovation and imagination. The college management comprises a Board of Governors which is presided over by the Chairman, and the Principal, the Secretary, Heads of various departments and well qualified faculty are members. The Organogram indicates pictorially the flow and distribution of the authority.

Functions of the Governing Body:

Chairman of Board of Governors:

1. The chairman shall generally preside at the meeting of the Governing Body

2. The chairman shall exercise such other powers and perform such other duties as may be assigned to him by the Society and which are consistent with the relevant acts of the state and central governments and the statutes and ordinances of the affiliating university.

In emergency cases, the Chairman may exercise the power of the Governing Body and inform the Governing Body the action taken by him for its ratification.

Secretary and Correspondent:

1. Shall be custodian of the funds and other properties of the College.

2. Has to ensure that the decisions by the Governing Body are implemented.

3. Shall be the authority to issue appointment orders on behalf of the Governing Body for which the Governing Body accords approval of recommendations of the concerned selection committee.

Principal:

1. He shall be Chief Academic Officer of the College and responsible for proper administration of the College.

2. He shall be custodian of all records of the College.

3. He shall assist Secretary and Correspondent in implementing decisions of the Board of Governors.

4. He shall be the authority to regulate the work of all the employees of the College and ensure that they perform the duties as assigned to them.

5. He shall have power to sanction leave, vacation and permission to leave head-quarters.

6. He shall have power to depute faculty and other staff for STTPs, FDP's and technical conferences.

Head of the Department:

1. Responsible for the effective class room teaching, laboratory instruction, assessment of students, guiding UG and PG projects by the faculty of the department.

2. Interact with industries and other institutions and contribute to planning and organization of the educational program.

3. Participate in administrating planning at department level and College level.

4. Contribute for the resource mobilization of the College.

The duties and responsibilities of teachers and other staff are described in service rules.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)

6.2.3 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
Screen shots of user interfaces	[View Document](#)
ERP (Enterprise Resource Planning) Document	[View Document](#)
Details of implementation of e-governance in areas of operation, Administration etc	[View Document](#)
Any additional information	[View Document](#)

6.3 Faculty Empowerment Strategies

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

Response:

Employees are the stakeholders who influence organizational effectiveness. The management of Vaageswari College of Engineering implemented various monetary and non-monetary welfare measures for employees of the organization.

The college in general takes care of its employees well. There are several welfare measures in place for the teaching and non- teaching staff. The college encourages a worthwhile welfare schemes to all the teaching and non-teaching staff to boost the morale of the employees and thus make them motivated to work efficiently.

The college trusts the contribution of its employees towards its overall development and progress of the institution. It also encourage the employees to utilize the welfare measures with ease. Some of the welfare measures the institute provide to its employees include promotion and increments based on self-appraisal, incentive for publication of papers/research articles, supporting faculty members to conduct/organize guest lectures, supporting faculty members to conduct/organize a conference/Seminar/workshop/Faculty Development Programs. The employees who require transport facility are provided with subsidized transportation for their daily commuting to the college. Management offers financial assistance for membership registration in professional bodies like Society for Innovations in Science and Technology (SIST), etc.

The Institute Organizes in-house skill-development programs like soft-skills training, Computer skills in the use of MS Office tools.

All the employees are covered under medical insurance facility up to a sum of Rs. 2 lakhs towards insurance per annum. The institution also provides the facility of Employee Provident Fund (EPF). In addition, the colleges also provides various leave benefits to all the employees such as casual Leave, On Duty (OD) leave, medical leave, maternity leave and Compensated Casual Leave (CCL) to both teaching as well as non-teaching staff. An employee can avail 18 casual leaves in an academic year. On duty leave facility is provided for all the members of faculty who present papers in national and international conferences, attend seminars, workshops and industrial training. Special (OD) leave is given to faculty members for valuation of exam answer scripts at JNTUH spot valuation centers.

Visiting Doctor and Nurse shall be available on campus thrice a week to monitor the health of students and staff if required. Faculty de-stress programs like yoga and meditation sessions are organized twice in a year for students, teaching and non teaching staff. Drug awareness programs are conducted to both students and staff members. Wi-Fi facility is provided to all the students and staff members to access various online resources like NPTEL, SWAYAM, etc.

PDPs (Professional Development Programs) are organized by the institution. The faculties are facilitated to attend various Professional Development Activities throughout the academic year. Summer vacation of four weeks is given to the entire faculty who has completed a minimum of six months service in the institution. A Grievance Redressal
Cell is formed and all faculty concerns are addressed.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 55.54

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**

2020-21	2019-20	2018-19	2017-18	2016-17
112	96	106	118	130

File Description	Document
Upload any additional information	[View Document]
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	[View Document]

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 10.6

6.3.3.1 **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
07	09	15	11	11

File Description	Document
Upload any additional information	[View Document]
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	[View Document]
Reports of Academic Staff College or similar centers	[View Document]
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	[View Document]

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 57.09

20-07-2022 11:25:13

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
98	109	111	137	120

File Description	Document
Upload any additional information	[View Document](#)
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	[View Document](#)
IQAC report summary	[View Document](#)
Details of teachers attending professional development programmes during the last five years	[View Document](#)

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

Appraisal System

Quality teaching is indispensable for improving student outcomes and achievements. Institute has well designed performance appraisal system. This may be an important process for both the institution and the faculty, as it enhances communication channels and thereby establishing a constructive dialogue between the appraisers and the appraised. Performance is self assessed and duly filled in appraisal form by Faculty and Staff at the end of every year. Appraisal forms are then evaluated by respective HODs and Principal. Appraisal system inspires Faculty which boosts professional knowledge and growth. Therefore it is made mandatory for every Faculty and Staff to submit the performance appraisal every year.

Faculty submits duly filled in form at the end of the semester to their respective reporting officers. These forms are forwarded to the principal via the Head of the departments. Students' feedback and feedback from the parents is taken during parent meetings. After detailed deliberations and discussions, the faculty appraisal is taken with a view to foster individual development and which in turn serves to strengthen the institute. The self-appraisal submitted by the employees undergoes reviews/evaluation by the Head of the Department, Principal and finally by the Management. These reports are used as additional documents during the career advancement interview of the staff. Students also provide their exit feed back about the staff at the end of their programme.

- Performance appraisal system is a process of evaluating an employee's performance and contribution to an organization.
- Separate structured appraisal format is set to teaching and non-teaching staff.
- For teaching staff assessment is done through the parameters like, technical guidance to students in projects, seminars, PPTs, workshops and in technical events held within and outside institution.

- Research work done and publication of it in journals, Conferences attended to present research papers, award by organizations for contribution in research.
- Membership of professional bodies, extension activities as resource person, Author of text books and reviewer.
- University observer services for examinations or discharging duties as subject expert for various Examinations.
- Contribution towards effective learning resources development in teaching.
- Involvement in community services like NSS.
- Students' feedback is taken on parameters like effective computer skills, higher studies and training programmes undertaken to upgrade skills.
- Assessment of non teaching staff is taken on parameters like effective computer skills, higher studies and training programmes undertaken to upgrade skills.

Performance appraisal system for the non-teaching staff:

The non-teaching staff performance is evaluated on the basis of:

- Their performance in the laboratories.
- Ability and sincerity in discharging various responsibilities assigned to him/her by the head of the department
- Ability to work for extra hours with responsibility. On the basis of these parameters, the head of the department submits a report on each employee to the principal who then evaluates the performance.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Our society has maintained a very transparent financial system in the institution. There are well defined processes for sanction of budget to expenditure. Headed by an accounts officer, College conducts Internal Audit every financial year. The proposals are made on different heads such as laboratory equipment, library expenses, salary payments, building and infrastructure, sports facilities and other maintenance expenses. Institute internal auditor audits and verifies the accounts regularly. The audit report prepared by audit section submits appraisals to the Principal for follow up. Accordingly bill/voucher is recommended by the Head of the Department and approved by the Principal and General Secretary and Correspondent. All the bills/vouchers are audited by an Internal Auditor on a routine basis. Proper record of all the expenses is maintained by the accounts department.

The Head of the institution verifies scrupulously the material received by the respective Departments and

the Bills/vouchers and finally approves the bills for making the payment. All the bills and vouchers are first audited by the internal auditor on a regular basis. Proper records for all the expenses are maintained by the accounts Department. The accounts of the Institution are audited regularly as per the Government rules. In every financial year the Institution will conduct internal audit through Accounts Department staff before submitting the final records to the external Auditor. After verifying the records submitted by the Institution, an external Auditor appointed by our Educational Trust, will execute the statutory audit.

Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected/rectified and precautionary steps are taken to avoid recurrence of such errors in future. The institute regularly follows Internal & external financial audit system. An external auditor executes the statutory audit by verifying cash books, ledgers, bills and other records which are preserved by the college. Statutory financial audit is conducted. The audited report is submitted by chartered accountant. No major objections are found in the audit by the statutory auditors and minor audit suggestions are complied as per procedure. Chartered Accountant audits college accounts.

The audited statement prepared by the Chartered Accountant is presented to Board of Governors for approval. After approval, the annual audit reports duly signed by auditors are submitted to academic bodies at state and central level. These reports present an insight to management of funds with regard to allocation. It also helps in preparing budget proposals for new financial year.

Internal:

In the college there is an internal Audit Committee constituted which would examine the budget proposals, receipts, bills and vouchers and supporting documents for the current year. The audit committee after the scrutiny may advice concerned departments for any possible improvement.

External:

The College submits the budget proposals and income and expenditure statements to the Audit Committee for the necessary audit. The Accounts shall be audited by External Auditor.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	[View Document](#)
Any additional information	[View Document](#)
Annual statements of accounts	[View Document](#)

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The institution has well framed process to use the available resources effectively and efficiently. The institute obtains from all the departments which involve infrastructural needs and other facilities. After assessing the estimated income for an academic year and after the approval of BOG, each department shall be allocated with recurring and non recurring budgets. The institute ensures effective and optimal utilization of finances for academic, administrative and developmental activities which help to implement the institute's vision and mission. We have a dedicated strong financial team in place, which will organize optimum effective utilization of funds. Financial Planning is prepared well in advance for the organization with efficient Budgeting involving the various Academic Departments and Administrative Sections of the Institute.

Every year we prepare a budget which involves projected revenue and general expenditure and capital expenditure so that we can manage the funds effectively and planning well in advance. While preparing the budget we will consider the Head of the department requirements which include co-curricular and extracurricular activities in the annual budget. After reviewing of the budget by Principal, the final consolidated budget is forwarded to the Management for approval. The institute is being run with self sufficient funds by generating the cash inflow from tuition fee from students and other miscellaneous incomes. In case of shortage of funds during the expansion or renovation of buildings, the management always supports by providing required finance and ensures the amount is paid back in certain period based on mutual understanding. We have different purchase committees in place which ensures that the funds are monitored and utilized in an effective manner. The management will review the financial activities through scrutiny of budgets Versus actual in every quarter which will ensure whether the finance utilization is going in correct direction or else management recommends for alternate strategies.

Purchase committee recommends the equipment and other purchases with the approval of General Secretary & Correspondent. The amount withdrawn from the banks shall be spent by following a proper mechanism which includes the signatures of accountant and management.

The main source of the income for the institute is through the fees paid by the students and reimbursement

by the Government. Apart from the fees collected from the students, the institute receives additional income by making use of the infrastructural facilities via conducting examinations like Graduate Aptitude Test in Engineering (GATE), Telangana State Public Service Commission (TSPSC), State Board of Technical Education and Training (SBTET), Polytechnic Common Entrance Test (POLYCET), Integrated Common Entrance Test (ICET), Engineering Common Entrance Test (ECET), Telangana State Level Police Recruitment Board (TSLPRB) etc. The additional income obtained is utilized optimally by spending for

- Students' development activities
- Faculty development activities
- Infrastructural maintenance and development
- Augmentation of library and laboratories
- Providing scholarships for deserving students
- Maintenance of Gym and other students' facilities

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response:

The Internal Quality Assurance Cell (IQAC) was established at Vaageswari College of Engineering in the year 2019 with a vision to streamline the quality initiatives of the institution. Vaageswari College of Engineering is committed to continuously improve the infrastructure, enhance the faculty competencies and empower the students towards self learning.

The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in overall performance of the Institutions. The IQAC will make a significant and meaningful contribution in the post-accreditation phase of the Institution. During the post-accreditation period, the IQAC will channelize all efforts and measures of the Institution towards promoting its academic excellence.

The main objectives of the IQAC are:

- To ensure continuous improvement in the entire operations of the Institution.
- To ensure stakeholders connected with education, namely parents, teachers, staff, employers, funding agencies, society in general, of its own quality and probity.
- To develop a quality system for conscious, consistent and programmed action to improve the academic and administrative performnace of the instituion.
- To promote measures for driving institutional functioning towards quality enhancement and

institutionalization of best practices.

BENEFITS

IQAC will facilitate/contribute:

1. Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement
2. Ensure internalization of the quality culture
3. Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices
4. Provide a sound basis for decision-making to improve institutional functioning
5. Act as a dynamic system for quality changes in HEIs
6. Build an organised methodology of documentation and internal communication

Functions:

Some of the functions expected of the IQAC are:

1. Development and application of quality benchmarks
2. Parameters for various academic and administrative activities of the institution;
3. 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;
4. Collection and analysis of feedback from all stakeholders on quality-related institutional processes;
5. Dissemination of information on various quality parameters to all stakeholders;
6. Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
7. Documentation of the various programmes/activities leading to quality improvement;
8. Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
9. Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
10. Periodical conduct of Academic and Administrative Audit and its follow-up

STRATEGIES

IQAC shall evolve mechanisms and procedures for:

1. Ensuring timely, efficient and progressive performance of academic activities.
2. To assure the quality of academic and research programmes.
3. Equitable access to and affordability of academic programmes for various sections of society
4. Optimization and integration of modern methods of teaching and learning
5. The credibility of evaluation procedures
6. Ensuring the adequacy, maintenance and functioning of the support structure and services
7. Research sharing and networking with other institutions in India and abroad

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

After establishing the IQAC in the college, started working towards quality education and inculcating quality culture among the students and faculty members. The IQAC has also contributed towards institutionalizing the quality assurance strategies and developed various processes as follows:

1. To promote Industrial involvement in academic practices by organizing industrial training/intenships, industrial visits, workshops, and guest lecturers from industry experts etc.
2. To implement outcome based learning education in each program.
3. To introduce aptitude classes and soft skill classes for students to enhance personality and employability.
4. Participation of college in NIRF, AISHE, and various other quality audits recognized by the state, national and international agencies.
5. Establishment of Institute Innovation Council (IIC) under MHRD.
6. Conducting quality programmes like seminars, webinars, guest lectures, conferences, etc.
7. Establishment of various processes to take feedback from various stakeholders.
8. Implementation of ICT tools to enhance Teaching Learning process.
9. Establishment of the Mentor-Mentee process and its effective implementation.
10. To institutionalize the best efforts to make the campus Ragging-free and develop the discipline in the students along with the establishment of grievance redressal cell.
11. Effective internal examination and evaluation systems.
12. Prompt communication to parents about their wards' performance and attendance is taken care through SMS system.

Other than these initiatives IQAC works on improving the teaching learning process and supports adopting Outcome-Based Education (OBE) in all programs of Institution. The Programme Outcomes (PO), Programme Specific Outcomes (PSO) and Course Outcomes (CO) attainment is measured every semester, for low attained courses, proper action is planned and efforts are made to improve the attainments if required beyond curriculum content and activities planned and implemented, it helps in improving the quality of learning and employability of students.

The IQAC improves the teaching learning process through standard academic practices, which include:

1. Preparation and adherence of Academic Calendar
2. Preparation of Nominal Rolls, Attendance Sheets, and formation of sections
3. Choice of Electives (Open/ professional)
4. Subject allocation and Time Tables preparation
5. Mentor-Mentee distribution
6. Course delivery (online/ offline classes)
7. Preparation of course files
8. Conduction of seminars, Industrial Training, Project works, etc.

All newly admitted students have to compulsorily attend the Orientation Programme, in which they are made aware of the philosophy, the uniqueness of the Education system, the teaching learning process, the system of continuous evaluation, compulsory core courses, various cocurricular activities, discipline and culture of the Institute. Students are apprised of the Time-Table, Programme structure, syllabi of the courses before the semester commences. The teaching-learning processes are reviewed, and improvements implemented, based on the IQAC recommendations.

The Institute has the Academic Committee (AC) consisting of the Chairman, Convener, heads of all departments. The Academic Committee evaluates the performance of students as well as faculty. The committee discusses students' regularity in class work and also their performance in internal exams. Remedial classes are conducted for slow learners. Likewise advanced learners are encouraged by involving them in presenting seminars, organizing events at institute/department level and participating in competitions at other colleges to apprise themselves. The committee also reviews the end semester examination results branch wise and year wise and proposes measures to improve the results and improve the performance of slow learners in the supplementary exams. The committee also focuses on the coverage of syllabi, scope for beyond the syllabi in theory courses as well as Labs. The committee also monitors the preparation of course files, counselling files, events organized by departments, programs organized/attended by faculty members, research publications by faculty members, etc. In addition, the institute nominates a senior faculty member to be the academic incharge at the institute level who in turn coordinates with the department level academic coordinators to follow up on the students' academic progress. The Committee holds meetings with class representatives to take notes on curriculum coverage, frequency of coverage, understanding of the topic and issues if any. The Institute implements the practice of collecting feedback from students on the performance of faculty members at the end of each semester. Feedback forms are carefully analyzed and the analysis report is sent to the individual teacher as well as to the respective department head. In case the feedback is not satisfied, corrective actions are taken by the principal.

The institution implements two best practicies which are as follows:

1. **Activity-Based-Learning (ABL):** ABL is an important tool in enhancing learning methods in professional Institutes. In this method the students are involved through teamwork where collaboration, communication and interaction skills play an important role in sharing construction and showing sharing of tastes. Activity based learning methods for emerging technocrats are critical while working on a project as they need to engage with challenges and problems to succeed in the real world. ABL aims at honing the leadership skills among the students in various activities including technical activities, extra and co-curricular activities being conducted within the campus with a competitive spirit among the different departments and it will also improve the technical knowledge. ABL makes students motivate themselves to participate in various activities and interactions among the students in various departments with faculties

2. **Mentorship & Motivation of students:** M&M improves the quality of the student's life, enhances the ability of problem-solving capacity. M&M improves the student-teacher relationship, thereby guiding the students in various technical acitivies is possible. The upcoming technologies and innovations are impart to the students by conducting workshops, guest lectures and seminars by internal and external academicians and through industrial visits are achieved by Mentorship & Motivation practice.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3 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 intitiatives with other institution(s)**
3. **Participation in NIRF**
4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: A. All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	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 during the last five years.

Response:

The Institution ensures that there is a peaceful and harmonious ambiance to provide a confident atmosphere to our students. Gender sensitization programs are organized regularly by the Women Empowerment Cell to promote gender equity amongst the co-educational students, the cell designs relevant and outcome-based programs exclusively for the girl students throughout the year. The girls are admitted to all UG and PG programs, girls and boys ratio is more or less equal it shows the success of gender equity initiatives in the college. First year students are exposed to importance of Gender Sensitization in the part of Students Induction program. The Institute initiates to promote Yoga and Meditation for to ehance the mental strength of girls students.

1. Safety & Security:

The Institute takes sufficient measures towards safety and security of girls students, in this regard the institution takes precautions on continuos bases on girls students from their boarding point and inside the vechile. Every driver of the vechile is instructed to keep-on monitor the students sitting inside so has to maintain harmony. Beside this institute appointed security guards and caretakters for monitoring, at all the Gates security guards are deputed, they allow at the main GATE only if the persons have proper ID card. No students are allowed to leave the campus without GATE PASS issued by the Principal/Head of the departments. The campus faciltated by CCTV surveillance system. Separate hostel is provided for girls students with Bio-metric system. The caretakers monitor continuously in the campus like in canteen, library and sports area and ensure the safety of the students.

2. Counseling:

An active counseling system followed in the institution provides effective counseling including gender-sensitive issues to the students. Girls are encouraged to participate in various activities like cultural programs, NSS, sports, training sessions etc. through counseling as per their convenience and interest.

The institute has a well defined student mentoring system for all the programs starting from the first semester. The main objective of mentoring is to help each student to take the right decisions for their academic and personal development. Moreover, the mentoring will help in boosting the moral of the students and improve their learning ability. Each faculty that mentors the student tries to help the individual regarding their academic and personal issues.

3. COMMON ROOM

A separate common room for girls students with resting facilities like beds, sufficient number of chairs. Electronic Sanitory Pad Vending Machine installed in common room. The common room is being helped by care-takers and Lady attenders. And the institute takes highest priority for hygienic. The college has a visiting doctor who visits campus and girls hostel offenly.

4. DAY CARE CENTRE

The Institution at high extends provides a Day Care Centre for the Female Faculty and staff members Young childrens/Kids. Lady attenders will monitors and takecare of those childrens/kids. Out of all the female faculty only few of them are utilizing this facility.

File Description	Document
Link for annual gender sensitization action plan	View Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

The Institution is conscious of its responsibilities towards the environment and works on the principles of

three "R's" model to maintain an eco-friendly campus.

- Reduce
- Re-use
- Re-Cycle

VGSE provides different dustbins to separate the different waste like solid, liquid and biomedical etc. Everyday collected the accumulated waste from bins and disposed to a place where it can be converted into manur.

1. Solid waste management:

The solid waste generated in the campus includes food waste, cardboard material, paper waste, metal, wood etc.

- Dustbins are provided at convenient places in the institute. The staff room and office have two separate dustbins for separating dry and wet waste. this segregated waste is collected by the employees of the muncipal corporation.
- Single side papers are used for writing and printing circulars in all departments.
- The waste which is suitable for recycling is given to the recycler and the damaged books are given for binding and for further use.
- Metal and wood waste is stored and given to the authorized agent for further processing.

2. Liquidwastemanagement:

Liquid waste mainly consists of waste water from kitchen, washroom and mess. This waste water is carried through a sewerage system of underground pipes. The waste is finally collected in an underground tank through VGSE campus for removal of solid waste. Also the waste is purified by water recycling plant then purified water is used for watering plants and trees, cleaning etc.

3. **Biomedical waste Management**:

- Biomedical waste is generated only in some particular areas like in chemistry lab and at the time of some particular event such as health day camp and blood donation camp and some medical field works where there is a use the masks, hand gloves, apronhead gears, eye covers.
- Dustbins are provided to collect biomedical waste. This segregated waste is collected by the employees of the Municipal Corporation

4. E-wastemanagement:

The e-waste received at the institute includes batteries, up and discarded input devices such as mouse, keyboard, wires and cables. In case of re-instance the e-waste is reused and brought in for reuse.

- The discarded e-waste is exchanged with the vendors to get new products at a discount, which helps in saving money to a great extent and also provides for a secure disposal process.

- Most new electronic equipment, computers, and peripherals are bought under 'Buyback Scheme' so that we do not accumulate e-waste.

- All electronic equipment used in the premises is regularly maintained and repaired to ensure minimum e-waste.

- UPS batteries are recharged and repaired by suppliers.

5. Hazardouschemicals wastemanagement:

- The diluted chemical waste the Chemstiry lab and Environmental Science Lab collected through separate pipe connections which are send to the seperate pits. The released gasses from the chemicals exhausted through exhaust fans in laboratories.

File Description	Document
Any other relevant information	[View Document](#)
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	[View Document](#)
Link for Geotagged photographs of the facilities	[View Document](#)

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	[View Document](#)
Any other relevant information	[View Document](#)
Link for any other relevant information	[View Document](#)

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. landscaping with trees and plants

Response: A. Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document
Link for any other relevant information	View Document

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

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

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Certificates of the awards received	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Divyangjan friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Details of the Software procured for providing the assistance	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

VGSE has established a multicultural environment for students and staff. Students are studying in a safe environment that allows for adventurous interactions. It promotes the bondind among all the students. The VGSE family shows immense pleasure and responsibility in the aspect of tolerance and hormony in the fields of cultural, regional, linguistic, communal socioeconomic diversities. The Institution takes much effort and interest to empower education on moral and ethical values. College always focuses on a peaceful, healthy and comfortable campus by conducting various events, the students gain experience and cultivate social responsibility and inculcate the interpersonal and intrapersonal skills through participation.

Efforts/ Initiatiatives taken: Apart from these, the college organizes socioeconomic cultural programs.

1. Tolerance and harmony towards cultural, regional, linguistic:

Ensure to develop harmony among the students to promote tollerence of different programs in the campus. In this programs students are gathered at a common place wearing a specific ethnic attires. In this regard students are encouraged to participate in all events.The staff members are instructed to treat the students as their family.

2. Socioecomic Diversity: This initiative has a great effect in various issues to creat an inclusive environment that come from the background diversities in respect of cultural, regional, linguistic diversities.

3. communal diversities- celebration of festivals: to provide an inclusive environment, the institution celebrates important festivals like Bathukamma, Sankranthi, Ganesh Chaturthi, Holi, New Year, etc., The people irrespective of their religion will participate in above said festivals. Rangoli compitions are conducted for girl students to display their talent. The traditional day is celebrated to showcase the culture and heritage of the students and staff of the institute. At Vageshwari College of Engineering, we respect every culture, regional spirit, language, community and all other socio-economic conditions of the community. The head of the organization compulsorily greets all the staff members on the occasion of all national festivals, state festivals and other important days.

All the commerative days Apart from this, few more birthdays of eminent persons like Abdul Kalam, Ambedkar, Gandhi Jayanti were celebrated to inform the students about their contribution to the society. Adequate support is given to promote the culture among the student community. All the festivals are celebrated a day before in VGSE to ignite the unity among the staff and students.

VGSE also helps in implanting tolerance and harmony among each other and also to adjust with different mind sets of people of diversified backgrounds in the economy. The institution as
VGSE family encourages all the members in participating in various fields of social economic activities. It creates and linguistic diversity in the campus by initiating a program on Hindi
Diwas by making or encouraging the students to highlight the importance of the day and the language by various activities like drawing competitions or poster presentations. The institution also encourages the students by issuing gold medals and graduate certificate to the toppers. VGSE is also a part of promoting awareness among the society by encouraging various activities like flash mob etc.

File Description	Document
Link for any other relevant information	[View Document](#)
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

The College believe that any values and ethics are included and nurturned at the young age. Accordingly the institution putting its effort to make students feel responsible to the nation. The institution as a primary effort, it offers mandatory courses like human values, professional ethics and constitution of india as per statutory body. During teaching of these courses students are encouraged to give seminars and discuss in group about the given issues and also students will able to

- Discuss the growth of the demand for civil rigts in india for the bulk of Indians before the arrival of Gandhi in Indian politics.
- Know the culture and constitution of india
- Know the ethics and responsibilities of the citizens of india.
- Gain minimum knowledge about the importantance of RTI Act 2005.

apart from that, the college sensitizes the students about the values and ethics by organizing lectures by reputed experts. Various faculty have always been in practice, that promote the unity of diversity of motherland. The institute ensures that the students participate enthusiastically in such activities. To adopt various Sign boards emphasizing the vision and mission statement of the college are arranged in almost all departments reminding their duties and responsibilities to the community and to fellow citizens.

Institute organizes various activities in the college to make the students and staff understand the

constitutional obligations, values, rights, duties and responsibilities of citizens like safety awareness,

Awareness Program on Right to Cast Vote:

The institute organizes the awareness program on the importance of vote right emphasizing that casting vote to honest representatives is building corruption free country.

In addition to the messege of the management and principal of the college some police personnel and authorities of jury are invited to make key note speech for molding the attitude of budding engineers.

Awareness program on RTI(2005):

The institute also holds meetings to discuss the importance and utilization of RTI in and beyond the campus. The students propagate the significance of the act raising slogns in the near by villages.

A program to remind article 51(A):

Citizens following the constitutional act or values can be responsible and patriotic. To achieve this, the discussion of 51(A) holding meetings is very useful act of the institute that holds the meeting occasionally. During the meeting the students take an oath to follow the 51(A) which discusses the duties and responsibilities of the citizen of india. VGSE also promotes the awareness among the students by conducting various activities like right to vote, Right to Information etc.

Say NO Ragging:

As a part of program to bring awareness about, what eve teasing is and what ragging is and what sections of law are implemented and also about the details of imprisonment and death sentences for ragging.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document
Link for any other relevant information	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. **The Code of Conduct is displayed on the website**
2. **There is a committee to monitor adherence to the Code of Conduct**
3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	[View Document](#)
Code of ethics policy document	[View Document](#)
Any other relevant information	[View Document](#)

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

The institution regularly organize national festivals, commemoratives days of great Indian personalities to promote national integration and their thoughts are seeded into the young minds through the programs conducted. These events not only great awareness about nationalism but also emphasize the need for universal please and unity. A brief narration of international events that are celebrated in the institution is given below:

World Environment Day: Every year World Environment day is celebrated on 5 June, and is the United Nation's principal vehicle for encouraging awareness and action for the protection of the environment.

International Yoga Day: The International Yoga Day celebrates on 21 June in VGSE campus to make students and staff to realize the importance of yoga daily life for physical and mental health peace, harmony, happiness and success to every soul in the world.

Independence Day : Independence Day celebrations were conducted on 15 August .After the flag hoisting, secretary sir enlightened the students on inculcating the values of past & learning from the great Indian freedom fighters.

Teachers Day: The institution celebrates Teachers day on 5 September is the birth anniversary of a great teacher Dr Sarvepalli Radhakrishnan, who was a loyal believer of education.

Engineers Day: The institution celebrates Engineer's day in our campus on 15 September consistently as an exceptional tribute to the great Indian Engineer, Bharat Ratna Mokshagundam Visvesvaraya.

Mahathma Gandhi Jayanthi: Mahatma Gandhi Jayanthi in our college campus celebrated on 2 October every year, we all paid tribute to our father of nation.

National Mathematics Day: National Mathematics day on December 22 every year. The day marks the birth anniversary of famous mathematician Srinivasa Ramanujan. The date as National Mathematics Day to honor the great man.

National Youth Day: VGSE celebrates every year National Youth Day on 12 January to honor of Swami Vivekananda. The youth of today on this occasion should strive to be better than the past and set

an example for the future generations so that they too can benefit and learn from the great teacher himself.

Republic Day:

Republic Day honors the date on which the Constitution of India came into effect on 26 January 1950. Republic day is celebrated on 26th January every year.

World Health Day:

World Health Day is a global health awareness day celebrated every year on 7 April. World health day is held to mark WHO's founding and is seen as inopportunity by the organization to draw worldwide attention to a subject of major importance to global health each year.

National Science Day:

National science day celebrates in our college campus on 28 February. This day remember the notable invention "Raman Effect" by India's greatest scientist C V Raman.

Dr.B. R. Ambedkar Jayanthi:

Ambedkar janmotsav Samithi is celebrated on the birth anniversary of Dr. B.R Ambedkar with profession organized is the town and ends by garlanding the statue.

Christmas:

The Institution also has the practice of celebrating Christmas in the college campus every year to develop religious tolerance and thereby achieving secularism

File Description	Document
Link for Geotagged photographs of some of the events	[View Document](#)
Link for any other relevant information	[View Document](#)
Link for Annual report of the celebrations and commemorative events for the last five years	[View Document](#)

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:

The institute's goal is to show its uniqueness to the students. To achieve this, the administration has devised few best practices.

They are

1. Induction program is made mandatory for all students to understand the need and usefulness of degree level education

2. Students are mentored towards ethics, morals and social responsibility to live with broad understanding on the society

3. Innovative teaching learning process

4. Guidance to higher education in India and abroad

5. Students are guided to do projects that help to spread the technology in to every corner of the society

6. Students are exposed to National and International community's by advising them to participate in certain conferences through webinars

7. Implementation of sustainability measures

8. Extending the facilities to the community through extension activities

9. Stakeholders of the Institute especially students are encouraged to participate in the Institute Management through their memberships in various committees.

10. The Institute has been conducting Faculty Development Programs.

11. The Internal Quality Assurance Cell (IQAC) is instrumental in enhancing and assuring the quality of teaching and learning in the Institute

12. Implementation of Internal and external Academic and Administrative audit

13. Annual Self Appraisal for faculty is in practice

14. The Institute has active and vibrant Governance and Leadership policies which are pivotal for promoting and upholding the standards and quality of the Institute.

Best Practice-I

1. Title of the practice: Activity-Based-Learning (ABL)

2. Objective:

Activity based learning is an important tool in enhancing learning methods in professional Institutes. In this method the students are involved through teamwork where collaboration, communication and interaction skills play an important role in sharing construction and showing sharing of tastes. Activity based learning methods for emerging technocrats are critical while working on a project as they need to engage with challenges and problems to succeed in the real world

Professional education in today's highly competitive world demands constant up gradation of skills. The objective of "Activity-Based Learning" aims at honing the leadership skills among the students in various activities including technical activities, extra and co-curricular activities being conducted within the campus with a competitive spirit among the different departments and it will also improve the network of technical knowledge of their batch. The students are aware of course activities. By doing this the students motivate themselves to participate in various activities and interactions among the students in various departments with faculties.

Activity based objectives are useful because they help students focus on activities that will help and guide them in learning. Students can understand easily through virtual or imaginary objects. Creating healthy environment for students to achieve their learning goals through this practice has been the hallmark of Vaageswari College of Engineering.

3. The Context:

The institute focuses on imparting the methodology of learning through activity from the moment the students get admitted into professional course. The course commences with relating interactive communication skills.

Learning through activity is a type of learning where students learn their ideas through various activities. It includes speech, debates, seminars, model presentations, project expos, skits, field visits, ice-breaking activity, storytelling sessions and role plays.

To encourage students with skills and to expose their talents, this initiative was adopted for maximum participation of students in various activities and practices and the gradual improvement in excelling in their performance.

Learning through activity also helps the students to improve their:

- High IQ Level
- Out Of The Box Thinking Ability
- Leadership Skills
- Effective Team Player
- Strong Technical Skills

4. The practice:

There is a common trend that can be observed about skilled students who are self-motivated and confident, when they participate in intercollegiate competitions. However, there are some students with low confidence skills who hesitate to participate in various activities such as paper presentations, seminars and conferences. The ABL exercise is analyzed using data on the participation of students in various activities and practices and the gradual improvement in their performance. The process is assessed using statistics on

participation in external competitions.

Responsibilities of the students are assigned as per the interest and voluntary attitude of the students in conducting various activities like advertising those activities and successfully organizing the programs within in the campus that improves their strength and confidence. Students realize their full potentiality by creative thinking is enhanced among the students in bringing innovation in the conduct of events. The faculty carefully guides the students to start the process and uses an open skill set after their analysis. Group-wise evaluation of activities is done and results are declared. The winning group is appreciated by giving a token of appreciation. By these result oriented appreciation the student identifies him/her self own capability. So,that they work more to become expertise on the lagging activity or a subject. These activities help and motivate students to connect with themselves, with each other and with their surroundings and to learn from each other to pursue their goals. The students are trained in the skills needed in delivering efficient and appealing presentations to a variety of audiences.

These skills cover a multiple of areas such as the structure of the presentation, the design of slides, the tone of voice and the body language used. This includes the enhancement of following skills

- Group Discussion

The students are trained in neutralizing mother tongue impact on English, voice modulation, the body language, proper way of making eye contact and other essentials associated with it.

- Interview Facing Skills.

Mock interview sessions are taken with the help ICT tools available in the language laboratory. Students are made aware about essential substance and basics associated with it. Behavioral skills and dress sense are other skill areas that are enclosed in it.

- PPT

In today's job market huge employability is there in service industries like banking, financial sector and so on. By training the students in PPT we could create an opening for students in these sectors as their presentation skills match the needs of the industry.

5. Evidence of success:

Activity based learning is mainly achieved in three ways namely experimentation, expression and exploration. Expressing the views in speech debates, seminars and model presentations are the student benefited. It is benefits on their intellect to become sharp and the capability of problem solving increases and it supports their language capability and literacy development. ABL motivates students to participate activities such as independent investigation, problem solving etc.

ABL revolves the concept to solve the real life problems with encouragement of students and teachers. Healthy relationship between faculty and students results in attendance of students to college. Student's participation in various discussions and seminars improves their personnel skills and presentation skills. The proof of success is that students can perform independently and demonstrate their skills without their senior advisors in their area of expertise.

6. Problems Encountered and Resources required:

The biggest challenge for affiliated institutions is to balance the academic program and these activities. Dedicated students who have creative ideas and faculty from various departments inspire, encourage and support the students in every way. For Activity Based learning teachers need special infrastructure and record should be maintenance. Management encouraged the practice to enhance the knowledge of students for industry ready with 360 degree cooperation. Special record should be maintained by the teachers to know the status of student's performance. Several activities are planned by the faculty to improve the Communication Skills.

Best Practice-II

1. Title of the practice: Mentorship & Motivation of students

2. Objective:

The Objectives of the practice followed by the Institute are:

- To improve the global quality of the students life and economy of the society.
- To improve the problem solving capacity of the students
- To improve the student teacher relationship.
- Performance of the students should be informed to the parents / guardian's by time to time
- Guiding students to learn new methods and advising them for career.
- Helped to grown a perception of capability and precision of specification.
- Sharing of suggestions, opinions and problems on the personal or professional front.

The upcoming technologies and innovations are impart to the students by conducting workshops, guest lectures and seminars by internal and external academicians and through industrial visits are achieved by this practice to the students.

3. The context:

The mentorship program is conducted along with the regular academic sessions for Students. The program focuses on personal and professional development. This practice is followed to motivate students and develop confidence to take up challenging tasks in their life and contribute to society in nation building. In Vaageswari College of Engineering we observed that students have a peculiar background and level of motivation when entering college. Students need a set amount of time to break out of their shells to face the demanding world.

Students need to be handled personally by setting appropriate goals and working on their confidence and independence. We also understand that the students be involved in challenging activities and need to provide polite feedback as and when requires.

The mentorship program was initiated with a view to share knowledge, advice and resources from mentor to mentee at Vaageswari College of Engineering. The national building is possible with the help of student's involvement in economy building.

4. The Practice

Mentorship program always strives to help mentee to achieve their professional advancement by facilitating direction, encouragement, hysterical abetment and motivator. The program allows for working in gray areas to discuss openly with older students and highlight the positive side of an individual. During the discussion, inputs are provided for the betterment of the consultant. In engineering most of the students were not matured enough to take right decision in the competitive world, this practice is made to take own decision to achieve their best in life.

The mentorship program was initiated at Vaageswari College of Engineering with a view to share knowledge, advice and resources from mentor to mentee. Vaageswari College of Engineering through mentorship takes care of student's academic and professional awareness as the students teacher ratio is 1:14. Unanimously, the students expressed that joining the mentorship program has given them more confidence and inspired them to make a difference in their lives. Students also expressed about the difference that has made in their academics and personal development. Individual attention is given to students who need extra encouragement and practice to develop their public speaking, interactive, and interpersonal skills.

Some students initially said that they had their family and friends as their mentors and were reluctant to accept the concept. Some of these people were unwilling to accept the assigned mentors and took the time to open up with them. Many of times people were not ready to accept their shortcomings and were not ready to work on them. The consultant gave him a hard time to work towards the activities assigned to them.

Time is a big obstacle in case of Technical courses with semester system, Managing time is a huge challenge mentor also explains how to manage time for both academics and non- academics. Mentors arranged tutorials and industrial visits to the students to gain extra knowledge in their academic life as well as for personal growth.

Mentors motivate the students to develop the connection with outside world to improve the leadership quality and communication skills by presenting their ideology. And also mentors helped to students to set their appropriate goals to lead the better life in future.

5. Evidence of success:

The mentorship program has been conducted for the last four years with necessary modifications. The success of the program is evident from the following areas of improvement.

- Increased attendance.
- Increased participation.
- Improved performance in formative evaluation.
- Reduced conflicts.
- Creates conducive environment
- Creates positive attitude and focus.
- Improves placement record
- Students are actively participating in all the programs and get appreciation.

The Vaageswari College of Engineering has taken as a challenge to place the students in reputed organizations with personal care. Many parents have also given good testimonials for supporting their wards throughout their journey to good placements and training them to being a responsible citizen. Year

by year we observe a considerable increase in the placement and also the recruitments in reputed companies with a very good package.

6. Problems Encountered and Resources Required:

The program has been modified over time. Some of the problems in the initial stages are as follows.

- Time table adjustment. Time Constraints
- Plenty of time for personal consultation.
- There is no control over background and support from home for such students.
- The mindset of the student is already ready and it takes more time to change it.

In this practice the Teachers plays vital role to train the students for ready to industry with vast subject knowledge and communication skills. Here, the Vaageswari College of Engineering arranged infrastructure for mentorship the students during off-hours. To train the slow learners the college is arranged trainers. Proceeding from these lines, the mentorship program incorporates a diligent and informed approach, taking student participation to the next level and making the learning environment.

File Description	Document
Link for Best practices in the Institutional web site	[View Document](#)
Link for any other relevant information	[View Document](#)

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:

Institutional Distinctiveness

Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust Response.

Privileges of Venue and Virtues of Infra

Vaageswari College of Engineering was established in 2003 with a generous vision of making technical education accessible to the rural community for whom technical education was far from reach.

The uniqueness of Vaageswari College of Engineering is in creating terrestrial environment that actively incorporates and promotes sustainable development of students. It accounts for all external factors that lead to health and well being of students with pollution free air quality and safety that fosters breeding ground for creativity.

Vaageswari College of Engineering is located beside the Rajiv Rahadari a four lane state highway that connects cities like Hyderabad-Karimnagar-Ramagundam . The LMD police station located adjacent to college, looks after safety and security of the students. Primary Health Centre,Thimmapur is a kilometre away which provides healthcare and Ambulance in emergency.

Vaageswari College of Engineering is too near to Karimnagar city; it will take around 10 minutes to reach Karimnagar head quarters and connected to all nearby villages such as Thimmapur, Algunoor, Nusthulapur, Kothapally etc. with better road connections. College campus having peaceful environment with TSRTC transport facility as well as own transport facility with less travelling charges and also they can save time. The buses are safe with well trained drivers appointed by the college authorities and also equipped with First Aid facility. These buses are secured, comfortable and affordable.

The primary focus of Vaageswari management was on the development of exceptional physical infrastructure. Extensive green lawns and landscape gardening was done to enhance the aesthetic appeal of the place. This was the first step towards creating a tranquil ambience for inspiring creativity. Subsequently, spacious academic and administrative buildings, indoor sports complex, outdoor courts for various games, canteen, hostel accommodation for girls, amenities like common rooms, health care center, day care centre for young children etc were all built to create a platform for students to work and realize their potential. The management is uncompromising in the creation of facilities.

To reinforce the learning environment, the following academic facilities were created:

1. Laboratories with advanced equipment

2. Classrooms with good ventilation and that are ICT enabled.

3. An open access computerized library with sufficient content for exploration.

4. Wi-Fi and internet connectivity which is a much needed tool for the present times.

5. Delnet and National Digital Library.

6. Membership in professional bodies for external linkage.

7. Strong Training and Placement cell.

8. Department associations to help strengthen technical skill sets.

9. Field projects and internships. A key point of focus was pooling the human resources to help students in their progress.

The management made all out efforts to pool qualified faculty, technical trainers for effective laboratory teaching and created all the facilities for them to make the teaching learning process effective.

The distinctive practices that exist in the institute are:

1. Facilitating faculty with access to Wi-Fi, Internet and ICT enabled classrooms.

2. Encouraging faculty for higher education in-service.

3. Mentoring responsibility.

4. Providing access to e-resources and reference books as required.

5. Encouraging to conduct and to participate in workshops/seminars/conferences by providing financial support.

6. Encouraging publications through incentives.

7.Involving staff in participative management such as institute's academic advisory, governing body, technical fests, grievance redressal, anti- ragging committee, women protection cell and the like which take important decisions in the institute.

8. Supporting in extension activities carried out by faculty.

9. Compensating extra working hours through compensatory casual leaves and flexibility in leave sanctioning.

10. Facilitating staff in carrying out 'beyond the curriculum teaching'.

 A number of student support systems were established in the institute to provide a value based living possible.

Some such systems are:

1. NSS unit to help establish campus-community linkage and inculcate values of social responsibility and nationalistic feelings.

2.2. Absence of gender discrimination.

3. Creation of a Student Activity Center promoting all round development.

4. Effective student counseling system to help in addressing personal and professional problems.

5. Encouragement for peer teaching using LCD to help realize their potential.

6. Effective implementation of student appraisal of a teacher for enhancement of quality in teaching.

7. Registered alumni association as a suggestive and motivating system to make the institute lively.

8. Availability of resources for sports & games, yoga training for physical and mental alertness.

9. Effective implementation of all value added courses like gender sensitization that the JNTU, Hyderabad introduces in the curriculum, which bring about ethical transformation in students.

10. Presence of internal communication system of suggestion boxes on the premises.

11. Organization of International conference on innovations discoveries in science, engineering and management (ICIDSEM-2018).

12. Educational and industrial tours for real time exposure.

13. Department events to help develop socializing and academic skills.

14. Responsive supporting staff that make the campus a comfortable learning and living environment.

The institute facilitates the development of communication skills necessary for success through an advanced lab equipped with LCD projector, English language resources, recording facility (camcorder), public address system, prescribed software and a computer assisted language lab.

3. The institute is set up on vast area of 7.5 acres of lush green ground. The Management believes in the theory that sports as a culture enhances team-work, unity and brotherhood. These abilities are must for overall development of technocrat's of modern era. College emphasizes on sports and supports students who show exceptional skills in sports like Kabaddi, Volleyball, Basket Ball, Cricket, Badminton etc. Campus has well maintained Basket-Ball, Volley-Ball and Badminton Courts. A sport is a culture among rural students and Vaageswari College of Engineering has a mission to empower rural students in the field of Technology. Rural students find themselves as if their part of organization and this emotion enhances their devotion towards sports and academics.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

5. CONCLUSION

Additional Information :

1. Vaageswari College of Engineering is affiliated to Jawaharlal Nehru Technological University Hyderabad,Telangana State, Approved by the AICTE New Delhi, and recognized by the Government of Telangana State .
2. To impart quality education to the young vibrant students, the institute has recruited qualified and experienced faculty. The college infrastructure is well equipped as per the affiliating university and AICTE New Delhi norms.
3. VCE organizes Graduation Day every year apart from the college days and other events. All the academic excellent topper shall be given Gold medals and academic merit certificates.
4. Students are encouraged to do industry oriented mini and major projects, also encouraged to do internships.
5. The continuous students performance monitoring is done by the faculty.
6. The institute has signed MOUs with TASK, COIGN,Abhinava Technologies, Kakatiya Industries Pvt.Ltd.,Vitatech Solutions Pvt.Ltd., IT curve consultancy, KG Mech Electro-Mechanical Pvt.Ltd., etc., to train the students for skill development.
7. Civil Engineering Dept. has signed MOU with the Qualyient Consulting private ltd. for Engineering Consulting support services in 24X7 water supply system assignment in KSCCL, Karimnagar which is a Smart City water requirement project survey. The third and final year students of 40 member have involved as internship in this project
8. Parent-Teacher meeting shall be conducted once in a semester.
9. Campus is provided with health care center with a medical doctor for any health problems and medical emergencies.
10. Two NSS units are available for the purpose of learning social service related issues.

Infrastructure:

1. Vaageswari College of Engineering have all the adequate laboratories with the state-of-the-art facilities, ICT class rooms, seminar halls, amenities, central library having digital library as well as departmental libraries, examination branch and administrative area as per norms.
2. Canteen facility is available and is maintained hygienically
3. Power backup with 125 KVA generator is available
4. Institute bus facility is available for students and faculty which cover almost 50 kms. around the institution in addition to the frequent well connected public and private transport facility.
5. Purified drinking water plant is available.
6. The institute built up area is 28544 square meters which including a shed for the civil and mechanical engineering laboratories

Concluding Remarks :

1. VCE, is an institute which firmly believes in imparting quality education to young generation, moreover it is located in rural area and hence it takes much efforts.

2. The visionary management has made far reaching efforts to the pool resources, attract employees to this work environment and help them in shaping the students into conscientious professionals and responsible citizens through distinguished system.
3. The quality initiation taken by the institute would help the students in developing industry need skills.
4. Faculty members are encouraged to do Ph.D research work, publish papers, patents works.
5. NAAC accreditation work would provide to VCE an immense scope for continuation of this noble service.
6. This accreditation will serve as a enormous morale booster to Vaageswari college of Engineering as center for higher education in this rural area.