SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN

SY.NO.4, KOMMADI, MADHURAWADA
530048
www.gvpcew.ac.in

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Gayatri Vidya Parishad College of Engineering for Women, came into existence in the year 2008.The college is a self-financed engineering institution approved by AICTE, New Delhi and affiliated to Jawaharlal Nehru Technological University, Kakinada (JNTUK). The College is situated in a 8.25 acre heavily secured campus protected by a good compound wall with electrical fencing. The college is located on Chennai-Kolkata National Highway at Kommadi, Madhurawada, Visakhapatnam (13 kms from Visakhapatnam Airport and 10 Km from Railway Station) Andhra Pradesh.

The promoting body of the college is Gayatri Vidya Parishad (GVP), a pioneering Educational Society founded and registered on 28th September 1988 with a view to serving the cause of higher education by an ardent group of erudite academicians, and industrialists. Late Prof. B.Sarvewswara Rao, Former Prof. Of Economics, Andhra University, Economic Advisor to Government of East Nigeria and former Vice-Chancellor of Acharya Nagarjuna University was the founder President of the GVP (1989-2005). Dr.B.Swamy, a former member of Medical Council of India and former Vice Chancellor, Acharya Nagarjuna University succeeded him as the President of the Society(2005-2009). The present President of the society Prof. Dr. Ing. P.Srinivasa Rao, FNAE, Former Dean of Academic Affairs, in IIT Madras has taken over as President of the society in September, 2019.

Gayatri Vidya Parishad College of Engineering for Women started initially with four undergoing programs (Computer Science Engineering(90 intake), Electronics and Communication Engineering (90 intake), Biomedical Engineering (60 intake), Information Technology (60 intake) and a total intake of 300. The strength increased to 360 in 2009.In 2011, Under graduate Program in Electronics engineering with an intake of 60 was added together with a Post graduate Program in ECE Department with specialization in VLSI DESIGN with an intake of 18 was added. Due to low admissions in the UG program of BME, the program was discontinued. In the year 2020, a under graduate program in the Department of CSE with Specialization in AI &ML and a PG program in CSE(Data Science) was started. In the year 2019, the Department of ECE,CSE,IT were accredited by the National Board of Accreditation up to the year 2022.

Vision

To emerge as an acclaimed centre of learning that provides value-based technical education for the holistic development of students

Mission

- *Undertake the activities that provide value-based knowledge in Science, Engineering, and Technology*

- *Provide opportunities for learning through industry-institute interaction on the state-of-the-art technologies*

- *Create a collaborative environment for research, innovation, and entrepreneurship*
- *Promote activities that bring in a sense of social responsibility*

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Progressive Management and dedicated faculty with good experience.
2. Well equipped laboratories and Library.
3. Relatively 10%-15% of the students in the qualifying entrance examination opt for the college.
4. Education ERP software for quicker access to academic information and details.
5. A dedicated Learning Management System over the teaching learning process cloud supported.
6. ICT enabled by innovative practices.
7. Good support for Professional development activities including research.

Institutional Weakness

1. Industry sponsored Labs and Consulting Projects is minimal.
2. Success in attractive diverse talent from other states is limited.
3. Academic flexibility in introduction of new courses is limited.(Affiliated College)
4. Placement in core sector is limited.
5. Low aspiration level among students and faculty towards entrepreneurship.
6. Publication index in highly indexed journals.
7. Low Intake in PG programs.

Institutional Opportunity

1. To attain academic flexibility by obtaining autonomous status.
2. Enhance the research profile of faculty in terms of Publications.
3. Sanctions of Research Centres in Departments.
4. Enhance Academics-Industry Relationship.
5. Avail more funding opportunities for community Projects.

Institutional Challenge

1. Stated regulated tution fee and admissions.
2. Heterogeneous demand among different branches of Engineering.
3. Attracting faculty from IITs and promoting diversity.
4. Accommodation for faculty in Campus.
5. Good ranking by Government Agencies.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- Gayatri Vidya Parishad College of Engineering for Women (GVPCEW), Vishakhapatnam is affiliated to JNTUK, Kakinada and follows in totality the curriculum prescribed by the University. The institute offers five UG programs and two PG program.
- The curriculum is revised by the University; ones in three years keeping in view the current trends of national needs like the Development of appropriate Technology, Entrepreneurial Skill Development, Environment, and Sustainability, etc.
- The Institute has perspective planning for effective implementation of the curriculum by following an academic calendar that has been prepared in line with the University academic calendar.
- The Institution has always been open and flexible in encouraging the teachers to adopt ICT in classroom teaching and modern pedagogical techniques for enhancing the teaching-learning experience.
- The Institute in association with the Training and Placement Cell and Industry Institute Partnership Cell (IIPC) of the college initiates steps for providing Industrial Internships to the students during Summer Vacation and/or Semester breaks. The students are also allowed to visit the Industry of their choice.
- As a part of the curriculum, Students undertake project works. They are advised to take up mini projects and participate in various competitions like Hackathons, Hardware Expos, Technical conferences, and workshops.
- To ensure continuous evaluation and improvement of the curriculum and its delivery processes, the institute collects feedback both from the students and faculty. A proper record of collected feedback is maintained and analyzed further for necessary actions.

Teaching-learning and Evaluation

The thrust of education is "Teaching and Learning" necessary for the holistic development of student. The college adopts students centric learning and experimental learning as its corner stone in academic process. The academic process caters to diverse range of learners. The academic plans, study materials and links to advanced material is made available to all the students through the learning management system(LMS).The LMS is cloud based and 24X7 for self learning also.

Staff are encouraged to undertake research activity and to enhance their academic qualifications. Staff are deputed on QIP (Quality Improvement Program) basis for higher studies as per the guidelines of AICTE. The teacher student ratio is 1:20. Mentors and the class teachers monitor the progress of the student and counsel them for their overall development. The assessment of the students are carried out through assignments, online quizzes and descriptive examinations

Conducting Orientation programmes for the first-year/lateral entry students familiarizes them with the facilities available at the Institute and procedures to adopt them.

The institute has a perfect feedback system for all the stakeholders and corrective measures are initiated based on the salient features of the feedback.

The evaluation system is transparent and fair and adopts the guidelines of outcome based education. The stratification of learners and steps to bring slow learners on par with the fast learners to enhance their skills are available. All efforts are taken to ensure that Teaching-Learning Process is up to the standards.

Research, Innovations and Extension

GVP College of Engineering for Women promotes research and innovation among its faculty by creating a suitable eco-system. Faculty participation in research is given top priority and are encouraged by motivating them to publish good quality research papers, attend conferences/seminars and write proposals for research. Financial support/incentive is provided to faculty to attend conferences and for publishing papers in SCI/SCIE indexed journals.

Research forums have been constituted in every department to help researchers understand the research methodologies and promote publication of research results. The institute innovation council, recognized by MHRD promotes innovation, creativity and entrepreneurship among the students and faculty.

The students and faculty are involved in extension activities in the neighbourhood through the NSS unit and the Eco-tech club. They conduct and participate in blood donation camps, donate, serve and provide help to orphans, old people and the needy villagers. Some of the activities have received recognition.

Infrastructure and Learning Resources

Gayatri Vidya Parishad College of Engineering for Women surrounded by Eastern Ghats is located in a serene valley spread over more than five acres of area with very good infrastructural facilities, e-class rooms, and well-equipped laboratories for better academic excellence in engineering education to empower the Women.

The Institute runs all the programs with 26 classrooms, 4 e- classrooms, more than 40 Laboratories and 2 Seminar Halls which have a good ambience and well equipped ICT facilities.

The Central Library is well equipped with more than 20000 books, around 60 print Journals and e – resources with remote access to IEEE Journals and DELNET. It covers a carpet area of 425 Sq. meters with a seating capacity for 150 persons. All the services and functions of the library are fully automated using Bees ERP Campus software version 2.0.

The Institute provides more than 535 computers with a high speed internet bandwidth capacity of 80 Mbps dedicated OFC leased lines and 10Mbps NMEICT leased line separately for Digital library. Recently an industry sponsored 500Mbps line has been added. There are ample numbers of Wi-Fi access points in the campus.

A regular Assistant Physical education director and Yoga trainer are available in the institute. The indoor and outdoor facilities are good and help cater to the all the students of the college. Regular staff are also employed for the maintenance of lawns, Sports grounds and other infrastructure facilities of the college.

Student Support and Progression

GVP college of Engineering for Women has a good mechanism to address the differential requirements of the students with respect to curricular, co-curricular activities. The induction programs help them to understand the 'code of conduct', teaching-learning facilities and indicates them to the rigor and labour expected from them. The different support facilities of the institute include different committees, professional clubs, student

associations and Training and Placement cell. The student progression is monitored through the academic committee in coordination with the examination section. The different clubs ensure the participation of students in extra-curricular activities. The alumni engagement is brought about through the alumni association in coordination with the department coordinators.

Governance, Leadership and Management

Gayatri Vidya Parishad College of Engineering for Women, Recognized by AICTE & affiliated to JNTUK University-Kakinada, was established in 2008 under the Gayatri Vidya Parishad society, with an objective to empower women through quality education in the field of Engineering & Technology. The institute was established by committed Academicians, Industrialists, Philanthropists and Educationists.

The administrative system of the Institute is effectively decentralized for good governance. The Governance of the institution is strictly in accordance with the Vision and Mission statements. The crucial decisions are taken by the Governing body which includes the Chairman and the Secretary. The Principal together the Vice-principal and Heads of the Departments administer the entire system.

The Institute focuses on participativemanagement at all levels. For effective implementation of the policies of the Institution, it has set up various administrative bodies. The Institute has also adopted a well systematized e-governance mechanism in its day-to-day academic and administrative activities.

The Institute follows a perspective plan of action, which helps to streamline various processes like evaluating methodologies of the teaching-learning process, research progress of the faculty and good infrastructural facilities to the students.

The image of any institution is determined by the quality of its faculty, their research and academic achievements. Hence, an effective performance management system plays an important role in promoting the objectives of the institution in an efficient manner.

The good governance of an Institute always emphasises the welfare of its employees. To such an extent, the institution is implementing the effective and productive welfare measures for both its teaching and non-teaching staff.

Institutional Values and Best Practices

The institution has its own value systems & beliefs and gives utmost importance and ensures that all the actions are in compliance with the philosophy. The core values and beliefs of GMRVF are internalized among all the stakeholders with the true spirit of acceptance. All the staff and students of the institution exhibit their concurrence with values in the way they execute their responsibilities.

The institution evolves and embraces the best practices in all possible dimensions of the regular functioning of the institute. The following are the domains where the best and distinct practices are being implemented towards realizing the Vision and Mission.

1. Academic planning, delivery and monitoring

2. Alignment of the curriculum design, delivery and assessment in accordance with OBE

3. Student support services

4. Faculty Appraisal and development with well laid out human resource policies and procedures.

5. Environmental protection towards sustainability

6. Process driven participative management

The institution strives to evolve best practices in the above domains. In addition, the quest for excellence is being continuously maintained to evolve new ideas and strategies in line with the Vision and Mission of the institute.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN
Address	Sy.No.4, Kommadi, Madhurawada
City	Visakhapatnam
State	Andhra Pradesh
Pin	530048
Website	www.gvpcew.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Raj Kumar Goswami	0891-2739144	8885043361	0891-252663 9	gvpcew@gmail.com
IQAC / CIQA coordinator	P M K Prasad	0891-2719124	9849962648	0891-252663 9	pmkp70@gvpcew.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	For Women
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	
Date of establishment of the college	30-06-2008

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Andhra Pradesh	Jawaharlal Nehru Technological University,Kakinada	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	29-12-2016	View Document
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	25-06-2021	12	NIL

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

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	Sy.No.4, Kommadi, Madhurawada	Urban	8.25	8911

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,Electronics And Communications Engineering	48	intermediate or equivalent	English	120	101
UG	BTech,Computer Science And Engineering	48	Intermediate or equivalent	English	120	118
UG	BTech,Information Technology	48	intermediate or equivalent valen	English	60	56
UG	BTech,Electrical And Electronics Engineering	48	Intermediate or equivalent	English	60	20
UG	BTech,Computer Science Engineering Artificial Intelligence And Machine Learning	48	Intermediate or eqivalent	English	60	57
PG	Mtech,Electronics And Communications Engineering	24	B.Tech or equivalent	English	18	0
PG	Mtech,Computer Science And Engineering	24	B.Tech or equivalent	English	18	0

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				7				12				62
Recruited	5	2	0	7	9	3	0	12	25	37	0	62
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				20
Recruited	13	7	0	20
Yet to Recruit				0

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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				8
Recruited	7	1	0	8
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	5	2	0	8	3	0	4	7	0	29
M.Phil.	0	0	0	0	0	0	1	2	0	3
PG	0	0	0	1	0	0	20	28	0	49

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

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

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	0	0	0	0	0
	Female	387	0	0	0	387
	Others	0	0	0	0	0
PG	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	0	0	0	0
	Female	42	34	32	26
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	6	0	1	4
	Others	0	0	0	0
OBC	Male	0	0	0	0
	Female	147	128	98	121
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	91	84	74	78
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		286	246	205	229

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The vision of National Education Policy is to provide quality education on global standards with diversity for all curriculum and pedagogy with technological innovations and teaching-learning process. At present the institution is dependent on affiliating university for innovative and flexible curriculum. The University JNTUK has initiated steps in the direction of NEP and offers community engagement service, environmental education. The institution at present promotes interdisciplinary project-based learning for II, III-year students but are not credit based. Mathematical Sciences Club promotes STEM based activities.
2. Academic bank of credits (ABC):	The University has initiated measures towards academic bank of credits; however, it is in its initial stages. The institution has not registered under ABC, it is only the University that can register to avail multiple entries and exit. Efforts are in progress for seamless collaboration in terms of research activities with institutes of higher learning. In terms of pedagogical approach towards material and text book, assignment the learning management system is adopted to provide some flexibility.
3. Skill development:	Institution has initiated efforts for skill development by aligning with AP Skill development corporation for the conduct of skill courses. The development of humanistic, ethical, constitutional and Universal Human Values in the student is promoted by conducting guest lectures and conducting workshops. Blended mode of learning is also adopted. Basic skilling is encouraged through association with www.ncs.gov.in
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Teaching of Indian Knowledge System into the curriculum has been initiated by the affiliating University and is being followed. In addition Sanskrit learning has already been initiated in association with Rastriya Sanskrit Samsthan. Indian arts and culture is being encouraged by conducting different festivals and organizing traditional days.
5. Focus on Outcome based education (OBE):	The affiliating University has developed a good strategy to transform its curriculum towards OBE and the institutions is adopting it in totally. The institution has developed some good practices towards OBE by having well defined Program. Educational objectives, program Specific Objectives and course outcomes for

	all courses. In addition all the students are assessed as per the OBE model.
6. Distance education/online education:	Distance education has not been initiated for the engineering courses offered by the affiliating university and as such the institute has no such provision. The college has all the necessary infrastructure and necessary tools to offer online education and this was extremely useful during the Covid-19 pandemic. The institute was highly successful in offering online classes through a myriad of online platforms such as Zoom, Google meet, Microsoft teams, Code Tantra.

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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
321	272	285	289	290

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
7	5	5	5	5

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1436	1323	1318	1371	1391

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
160	133	133	133	133

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
333	334	348	349	352

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
91	90	86	88	86

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
118	99	99	99	99

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 27

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
250.67	418.82	327.37	303.3	425.48

4.3

Number of Computers

Response: 480

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:

Gayatri Vidya Parishad College of Engineering for Women (GVPCEW) is affiliated to Jawaharlal Nehru Technological University (JNTUK), Kakinada, and follows the syllabus and curriculum prescribed by the University. The institute prepares the academic calendar in line with the university academic calendar for the effective implementation of the curriculum prescribed by the JNTUK, Kakinada. The various committees and procedures adopted by the institution in the process of curriculum delivery are as follows:

- The advisory committee of the college conducts meetings with the heads of various departments to develop various strategies for the effective implementation of the curriculum. Thereafter, the Department Academic Committee (DAC) members of various departments conduct their internal meetings and develop academic plans for the coming academic year.
- The theory and laboratory courses are allotted to the individual faculty based on their experience and expertise. Faculty impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, ICT tools or other means apart from regular/traditional teaching methods.
- The college also has an effective Learning Management System (LMS), in which the faculty uploads the lesson plan, tutorials, previous question papers, class notes, assignments, handouts, quizzes and other related material. This helps in extending the learning environment beyond the class hours.
- The class work and student attendance are regularly monitored and documented by department and college administration and corrective action initiated.
- Remedial classes are conducted after the first mid examination for the students who have secured less than 40% marks. Remedial classes are also conducted for students who have backlogs in the final examination.
- The college provides the students with well-equipped laboratories, in order to enhance their practical knowledge. For the software laboratories, each student is provided with a computer equipped with the required software and internet facility. For the hardware laboratories, the necessary equipment of high quality is provided to each batch of size, not more than 2 students. In order to ensure coordination between theory and the corresponding laboratory, the same faculty handles both aspects to a large extent.
- Quality of lab equipment is ensured by periodic maintenance by the technical staff. The proposal for the purchase of new equipment is given by the lab in-charge. Lab manuals are also provided in the lab for the benefit of students. List of experiments and charts are displayed in each lab.
- To improve the design and skill sets of students, design projects are implemented as mini-projects/term projects. Students prepare small projects according to their course program. These projects are displayed in technical competitions. Various student workshops are conducted in order to improve the practical skill sets of students.
- The Institute runs an interactive and effective feedback system, through which the students and

faculty can convey their problems and opinions regarding the teaching-learning process, syllabus coverage and conduct of classes. The feedbacks are regularly analyzed by the college administration, and appropriate action is taken.

- In addition, induction program is conducted to the newly admitted batch students to acquaint them with various Engineering aspects.

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

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

Response:

The academic calendar will be sent by the affiliating university prior to the commencement of the academic year. The institute prepares the college-level academic calendar in tune with the university calendar which consists of details of classwork, mid exams, external exams, and other academic and extracurricular activities. This will be displayed on the notice board of all departments. The following procedures have been adopted by the institute to ensure Continuous Internal Evaluation **(CIE)** of the teaching-learning processes, adhering to the academic calendar.

- Every semester, the Head of the department collects the subjects of interest for the coming semester from the faculty. The subject allotment is then done in a transparent manner.The faculty then submits a lesson plan/lecture schedule for the concerned subject, prepared based on the academic calendar released by the University.
- The adherence to Lecture plan is monitored regularly by collecting the syllabus coverage periodically.
  - The Head of the department forms a committee, comprising of the class teacher, faculty members class toppers and class representatives. The committee holds meetings thrice in a semester to discuss the academic activities of the class. The coverage of the syllabus, the conduct of the laboratories and any other problems faced by the students are discussed in these meetings and corrective action initiated.
- Each faculty is mentor to around 18 – 20 students. The concerned faculty/mentor regularly guides and counsels the students regarding their academic progress and/or other difficulties.
- The faculty gives the assignment to students after the completion of every three units. These assignments contain questions that test their understanding of the concepts taught in the class. The students are given enough time to submit the assignment, which is then evaluated.
- Students are also assessed through mid examinations, conducted according to the academic calender. Remedial classes are conducted after the first mid examination for the students who have secured less than 40% marks. Remedial classes are also conducted for students who have backlogs in the final examination.
- In laboratories, the understanding and experience obtained in the lab by the students are evaluated by the faculty in the form of the day – to – day performance, record, and lab internal assessment. The lab internal examination is conducted twice in a semester, and the best of the two is taken as the final assessment.

- The progress of final year student project work is monitored regularly by the guide as well as at the department level. The internal project assessement is done through three reviews before the final project viva-voce.
- The Institute conducts extracurricular activities in accordance with the scheduled date in the academic calendar which provides a platform for the students to perform as well as to improve their cognitive skills. The university examination dates, as well as approved holidays falling within the semester, are also mentioned in the academic calendar. The planned and implemented academic calendars in each semester bring out the adherence.

File Description	Document
Upload 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: B. Any 3 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](#)
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: 7

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	View Document
Institutional data in prescribed format	View Document

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

Response: 278

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
141	103	28	3	3

File Description	Document
List of Add on /Certificate programs	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: 6.45

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
108	145	100	50	35

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	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 courses Professional ethics and human values are integrated into the curriculum by the affiliating university. In addition the crosscutting issues like Gender sensitation, environment and sustainability are integrated through NSS unit and Eco-tech club. The details are in Table 1 and Table 2.

Table 1. Professional Courses structured in the curriculum of JNTUK

Course Name	Branch	R13 Regulation	R16 Regulation
		Year/ Semester	Year/ Semester
Professional ethics and human values	EEE	Ist Year/ Ist Sem.	IIIrd Year/ IInd Sem.
	ECE		IIIrd Year/ Ist Sem.
	CSE	Ist Year/ IInd Sem.	
	IT		
Environmental Studies	EEE	IInd Year/ IInd Sem.	Ist Year/ Ist Sem.
	ECE	IInd Year/ Ist Sem.	Ist Year/ IInd Sem.
	CSE	Ist Year/ Ist Sem.	
	IT		

- Two hours in a week are allotted for the Professional ethics and human values course. The course is divided into 6 units namely, Human values, Principles for Harmony, Engineering Ethics and Social Experimentation, Engineers' Responsibilities towards Safety and Risk, Engineers' Duties and Rights and Global Issues- Globalization, business ethics, media ethics, computer ethics, bioethics, and Cross Culture Issues.
- The aim of the course is to recognize the significance of human values, ethics, and morals and to motivate the students to practice ethical behavior in day to day activities. The courses discuss the details of how a professional should behave while he is there with the organization. It also teaches the transition from personal ethics to professional ethics and details about morals and values and how they contribute to professional ethics. The course also discusses the role of human relations and values as well.
- The College conducts neighborhood community activities through the NSS dept. The extension activities organized by the College as part of NSS activities, enhance the students' academic learning experiences and inculcate the values and skills in them. Teamwork, Leadership Skills, and Effective Decision Making are just a few things students learn while participating in and organizing various programs under the extension activities.
- Environmental education and sustainability inclination are induced into students by arranging visits and tours to industry and other important sites. Besides all these, several theme-specific competitions such as poster presentations, paper presentations, and other activities are planned to instill the competitive spirit and sensitization on these topics. This enables the students to learn about the ecosystem and other environmental factors. They also learn measures to protect the environment and are made aware of global warming, recycling and disposable of no-degradable and hazardous materials and other related issues.

Table 2. Some of the Worksops/Activities carried out to address crosscutting issues

Organizing	Month & Year	Activity Name	No.of Participants

Body			
GVPCEW NSS Unit	August 2019	Tree Plantation	30
	September 2019	Swatch-Bharat Clean Campus- Clean India	30
	September 2019	Plastic Waste reduction Campaig	60
	December 2019	Special Camp to Sambuvanipalem	35
GVPCEW Echo-Tech Club	June 2016	Sapling Plantation Drive	50
	July 2018	Power Point on "Efefctive methods to reduce Plastic Usage"	46
	September 2018	Poster Presentation on "Efefctive methods to reduce Plastic Usage"	20
	December 2019	Wealth out of Waste	32
	December 2019	Power Point on "Emerging technologies on Control of Pollution"	49

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](#)

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

Response: 49.33

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
127	158	151	146	132

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](#)

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

Response: 29.53

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

Response: 424

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	[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
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
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: 82.82

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

2020-21	2019-20	2018-19	2017-18	2016-17
372	301	298	322	336

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

2020-21	2019-20	2018-19	2017-18	2016-17
456	378	378	378	378

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: 81.74

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
133	107	111	104	111

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:

The college has well-planned strategies that are planned and implemented from time to time to address the issues pertaining to the diversity in students' learning levels.

The assessment of learning abilities of students is carried out in stages. Some of them are:

1. Initial cues of learning abilities
2. Assessment through orientation/ Induction programs
3. Stratification of students through performance in internal assessment and the continuous follow-up
4. Further identification/ stratification through participation in class/ lab work/ quizzes

The Initial learning abilities of the students admitted in the college are obtained from their performance in the qualifying examination, entrance examination. This is followed by a rough assessment of the performance in the induction program.

The stratification into slow, average and fast learners begins with the internal assessment/ mid examinations. This is followed by a series of steps i.e continuous follow-up till the course completion to bring the slow learners at par with the advanced learners. This is brought about through the concerted efforts of advanced learners, faculty, parents and Heads of the departments.

Some of the steps taken to identify and improve students' learning capabilities are outlined below:

Orientation Program

The Orientation program provides an opportunity for the faculty to identify the capabilities of the heterogenous student community. After the students' admission into the college, a two-week orientation program is conducted to introduce students to Engineering aspects. In these sessions, awareness is created on the ethos of the college and help them adjust to the new environs. During these interactive sessions, the student's latent talents are identified and honed during their period of study.

During the Induction program for newly admitted students, a number of activities that include expert talks, creative activities, sports and games etc. are conducted.

A one-week induction program for Lateral entry students i.e., the diploma holders into the Second-year undergraduate course is conducted to enable them to cope with the prerequisite course work that is needed for them to catch up with the requirements of their chosen area of study.

Methods for identifying learners' capabilities

In addition, the students are continuously assessed based on their participation in the class, performance in the class tests, internal exams and lab sessions.

Further, the mentoring system also aids in recognizing the strengths/ weaknesses of the students.

Steps to improve capacities of slow learners

After the analysis of the performance of students in the class tests, internal examinations and also based on feedback from the mentors

- Remedial class sessions are conducted for the benefit of the slow learners.
- Peer – learning is encouraged by pairing slow learners with good learners.
- Soft skills training is given special emphasis to students from rural background
- Mind mapping and mentor- mentee follow up is carried out to improve the performance of slow learners.

Support for advanced learners

- The advanced leaners are encouraged to publish papers in Journals, college's technical magazines and e-magazines
- Special training for competitive exams like GATE is given
- Toppers are made the class representatives, Team leaders for term/ student projects.
- Toppers of each year are awarded prizes/Merit Certificates/Endowment, Cash prizes. In addition, branch toppers are also given prizes for their meritorious performance at Annual events.
- The names of Top performers are displayed on the college website
- Participation in Hackathons

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: 16:1

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 strength of the college lies in the teaching-learning process. A right blend of traditional and modern

methods is employed in the college which is offered to students to make learning student-centric. The methodologies such as experiential learning, participative learning and problem-solving are adopted to ensure that the vision of the college is realized. Faculty have been supporting students of different learning styles through various student-centric teaching processes:

Experiential Learning

- Experiential learning process is enabled in a laboratory to expose students to a variety of experimental settings including virtual labs
- Case studies in some courses
- Term Projects/Industrial Internships/Major Projects
- A list of final year Projects and their reports are available on LAN at http://172.16.5.78:8080/dspace
- An additional IoT Laboratory facility is set up to take up socially relevant projects that are beyond the curriculum
- Projects exhibition on regular basis and participation in Hackathons
- Videos, making use of Audio-Visual Equipment and also online platforms in the Smart Classrooms for visualizing the concepts of classroom teaching
- Students are trained by industry experts on emerging technologies

Participative Learning

Participative learning environment is created in the classroom for the students to actively interact during the lectures through

- Group discussions
- Participation in debates
- Questioning method/Quiz method
- Class seminars
- Industrial visits and internships facilitate in acquisition of necessary skills.
- Hardware expo
- Activities by professional bodies such as CSI, IETE, IEEE
- Departmental student associations and clubs
- NSS Activities
- Cultural and Sports events

Self-Learning

- Students undertake Self-Learning through the content that can be accessed from the college E-Courseware available at www.gvpcew.net/moodle
- Students register for the MOOCs programs

Problem Solving

As part of the curriculum and assessment, the following methods are adopted:

- Summer internship projects, community-oriented projects
- Final year projects at the undergraduate and post graduate levels

- Seminars and tutorials
- Assignments

The college prioritizes the holistic development of the students through curricular, co-curricular and extra-curricular activities to enhance the multiple learning experience of the students.

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:

All the faculty of the college adopt ICT tools for effective content delivery in the classrooms. The institute is particular in giving the students a better understanding, reinforcement of concepts and enriching the learning experience through ICT tools. The institution has in place the necessary infrastructure to ensure that all the faculty have access and use ICT tools for better content delivery. Blended mode of learning is adopted where in the direct faculty-taught interaction, visual presentation and online learning through learning Management System is largely implemented.

The Digital library, online journals, DELNET, online material, online courses (Coursera, NPTEL, Udemy, ICT Academy), video/audio equipment, LCD projectors etc support the ICT enabled teaching-learning process.

For online teaching during the pandemic and thereafter the college faculty have accessed G-Suite, MSDN alliance, Microsoft teams, Zoom platform, Code tantra exclusive for First year are part of ICT tools of the college. In addition, Matlab, Mentor graphics and other software tools enable better learning experience for the students.

The Learning Management System of the college is an excellent ICT platform that enables the teacher to conduct online quizzes, clarify doubts online, submit online assignments, post subject material and make the content available to the students for self-paced learning.

The Wacom digital tablet, digital platforms, LCD projectors, television screens available together with LMS (moodle based) help the teachers use ICT enabled tools for effective teaching learning process.

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: 20:1

2.3.3.1 Number of mentors

Response: 73

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: 86.13

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

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: 27.75

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
33	30	22	23	15

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)	[View Document](#)
Any additional information	[View Document](#)

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: 7.36

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

Response: 669.67

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

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 examination guideines in continuous internal assessment are prescribed by the affiliating university, JNTUK and the institute strictly adheres to the rules and regultions set by the university. Apart from these, the institute carries out assessment procedures such as quizzes, tests to assess the students.

Distribution and Weightage of Marks (R16)

Sl. No.	Distribution	Frequency	Description			
1	Internal Tests	Twice in a semester	*Internal test 1*			
			Q. No.	1	2	3
			Marks	10	10	10

			Internal test 2			
			Q. No.	*1*	*2*	*3*
			Marks	*10*	*10*	*10*
			• *DAC will ensure the quality of question and scheme of evaluation*			
			• *The internal descriptive marks are reduced to 15 marks*			
2	*Assignment*	*Twice in a semester*	• *Assignment 1 questions covering Unit 1-3 is given to studer before the internal test1 to evaluate for 5 marks as per the i*			
			• *Assignment 2 questions covering Unit 4-6 is given to studer before the internal test2 to evaluate for 5 marks as per the i*			
3	*Online quiz*	*Twice in a semester*	• *Quiz 1 of 20 questions covering unit 1-3 is conducted for th students during the internal test1 by JNTUK to evaluate fo marks*			
			• *Quiz 2 of 20 questions covering unit 4-6 is conducted for th students during the internal test2 by JNTUK to evaluate fo marks*			

- *The total marks secured by the student in each mid-term examination are evaluated for 30 marks*
- *The marks secured by the students from the above internal tests 1 & 2 (Descriptive + Objective + Assignment) are finally considered as 80% of the best and 20% of the other*
- *Final internal Marks = (Best of (Mid-1/Mid-2) marks x 0.8 + Least of (Mid-1/Mid-2) marks x 0.2)*

The evaluation process is transparent and robust through the following procedures:

- Students are informed of the academic regulations published in the Student handbook at the beginning of the course and in the college website.
- More information regarding the academic guidelines for the four year B.Tech degree course issued by affiliating university is conveyed through the website, LMS and examination section.
- College's academic calendar is prepared based on the Academic calendar provided by the affiliating university and it includes examination schedule as provided by the university.
- The schedules of all the internal assessments and End semester examinations are communicated to students and faculty through the college website, notice boards and e-mails. The evaluation procedure followed in the assessments are disseminated through class committee meetings, rubrics etc.
- **Transparency** of the evaluation process is maintained by following rubrics for assessment. The procedure include:
    - For evaluating internal descriptive offline examinations, a scheme of evaluation is prepared.
    - Three stage verification process in finalizing the scheme of evaluation is rigorously followed in the college.
    - Preset rubrics form the basis for continuous assessment in the laboratory/ workshop/ engineering drawing.
    - Two assignments per subject per semester are evaluated according to the preset rubrics.
- The college installed CCTV's in each examination hall to check for any malpractice in addition to the invigilator's presence.
- ERP Software can be used by the parents to check their wards progress, attendance, marks and other academic details.
- Internal examination marks are displayed in the notice boards for the students to check for any

discrepancy and bring the same (in case of discrepancy) to the notice of the examination committee.

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 institution takes extreme care to ensure that the examination related grievances are sorted out in a fair and transparent manner.

At the Institution level

- In the case of internal examinations (theory subjects), the answer scripts after correction are distributed to the students of each class. If the students have any issue with regard to the marks posted in the script, they can discuss with the faculty concerned. If the issue is still not resolved, the matter is brought to the notice of the higher authorities for redressal.
- The issues related to syllabus coverage, question paper setting, if any, can be discussed in the class committee meeting and can be brought to the notice of HoD for immediate necessary action.
- In case of lab subjects, the continuous assessment is carried based on the rubrics informed to students in the beginning of the semester. Issues, if any regarding assessment can be sorted out on the basis of rubrics.
- The assignment marks, internal marks and lab marks are finalized for assessments and displayed on the notice boards for the students to verify and point out discrepancies if any. The discrepancies will be sorted out by the faculty concerned.
- The finalized marks after due verification by the examination section and approval by principal are uploaded to the university portal.

Process of grievances related to external mark evaluation

- Any grievances related to semester end question paper (out of syllabus, repeated questions, improper split of marks, marks missed, wrong question number) are brought to the notice of the examination section. The section sends a letter to the university immediately if necessary. The university takes immediate action based on the grievance.
- If a student is not satisfied with the marks allotted to her in the end examination, she can go for either revaluation or challenge valuation after paying the requisite fee to the university.
- Grievances related to mistakes in certificates are handled by the examination branch by taking up the matter with the university.

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 follows the syllabus and academic regulations prescribed by the affiliating university JNTUK, Kakinada. The university prepares the objectives and learning outcomes for all the courses and publishes it in the syllabus book and uploads it in the university website, www.jntuk.edu.in. It is reachable to all the stake holders. However, they are some misprints and missing course outcomes.

In order to have a wider semination of the university, the institution reframes and realigns the course outcomes (COs) associated with the programs conducted in the college. The procedure followed is outlined below:

Course Outcomes

- The Academic committee gives broad guidelines for reframing and realigning the COs.
- The Program Coordinator (HoDs) along with the Department Advisory Committee (DAC) issues guidelines to faculty to formulate COs.
- The subject coordinators are then assigned the task of preparing a draft copy of COs for all the courses of the program in consultation with the subject experts.
- The Program Coordinator along with the faculty members finalizes the COs.
- The finalized COs are then submitted to Academic Committee for final approval.

Program outcomes (POs), program specific outcomes (PSOs)

- Program Outcomes (POs) are specified by the NBA.
- Program Specific Outcomes (PSOs) are framed for each program after thorough discussions with both internal and external stakeholders.
- POs and PSOs are displayed in the prominent places in all the respective departments and in the college website.

Mechanism of Communication of Program Outcomes and Course Outcomes

1. College website: In the department page of www.gvpcew.ac.in
2. Learning Management System
3. Prominently displayed on department notice boards and laboratories
4. Lab manuals
5. Disseminated in Placement trainings
6. Disseminated during student seminars and orientation program

7.Department NBA Handbook

The POs & PSOs are made accessible to all the stakeholders of the program through faculty workshops, student awareness workshops, student induction programs and faculty meetings.

COs, POs/PSOs are consistent with the Program Educational Objectives, Vision, and Mission of the Department and Institute.

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:

CO attainment process and Evaluation

Direct Assessment process

- COs are evaluated from internal tests, online quiz and assignments for the theory courses.
- For Laboratory courses, continuous assessment which includes Day-to-Day, Record work and internal marks is done and this is mapped with COs for evaluation.
- Sem end exam marks are equally distributed among all COs.
- The performance of the students in each course- Internal and External Examinations is the input to assess the attainment of the course outcomes in the Attainment Report of Course Outcome (ARCO) sheet designed the college.

Indirect Assessment process

- Course end survey- At the end of each semester, students feedback is obtained on each CO for each course.

Overall CO Attainment

As per the guidelines given by DAC, a weightage of

- 80 % is considered for direct assessment
- 20% is considered for indirect assessment

Set Target Levels

The targets are set in terms of percentage of students getting more than the University average marks. 40% is the set target for the attainment of every theory course while for a lab/ Seminar/ Project work, the set target is 50%.

- If 60% or more of the students attain the set target, the attainment level is 1
- If 70% or more of the students attain the set target, the attainment level is 2
- If 80% or more of the students attain the set target, the attainment level is 3

PO/PSO attainment process and Evaluation

Direct Assessment Method

The contribution of each CO towards all POs and PSOs attainment can be obtained by using PO# = (X1* Y1)/3

Where X1 is the average attainment level of a course and Y1 is the CO- POs/PSOs average value corresponding to the considered course for the particular PO.

Indirect Assessment Methods Student Exit Survey

- The exit survey is taken from the students at the end of final year.
- The opinions of the students are taken into consideration for the attainment of POs and PSOs.

Employer Survey

- The progress in the knowledge, skill and attitude of our graduates working in different organizations are assessed through the survey taken from Employers on regular basis in order to record the contribution in attaining the POs and PSOs.

Alumni Survey

- There are two modes in which the Alumni Survey is conducted. One is Online and the other is Offline.
- The Offline form is filled by the students during Alumni meet and on their visits to College. The opinion of the alumni is taken into consideration for the attainment of POs and PSOs.

Parent Survey

- The survey is taken from the parents with respect to teaching, learning, evaluation, library, placements and facilities.
- The opinion of the parents is taken into consideration for the attainment of POs and PSOs.

Overall POs/PSOs Attainment

A weightage of 80 % is considered for direct assessment and 20% is considered for indirect assessment as per the guidelines given by NBA.

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: 91.04

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
308	304	311	325	314

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
333	334	348	349	352

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: 3.44

File Description	Document
Upload database of all currently enrolled students (Data Template)	[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: 11.94

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
9.44	0.00	0.00	2.5	0.00

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](#)

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

Response: 7.69

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

Response: 7

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: 15

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
1	0	0	2	0

3.1.3.2 **Number of departments offering academic programes**

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

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[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:

The institute provides a conducive environment for inculcating and promoting a sense of innovation and incubation for the benefit of students. All the necessary facilities are extended towards nurturing the 'spirit of innovation' in the minds of the students.

The ecosystem developed in the college for innovations, creation and transfer of knowledge is facilitated by the following centers/cells:

- **Entrepreneurship Development Cell**

The cell takes an active part in developing a sense of entrepreneurship thereby nurturing the creative ideas. Several programs have been conducted to create awareness and build on the ideas.

- **Industry Institute Partnership Cell**

The cell takes an active part in training and transferring knowledge from the industry to actively involve the students in the application of technology to societal needs.

- Gayatri Vidya Parishad' is recognized by DSIR, Government of India as Scientific and Industrial Research Organization (SIRO).This helps in encouraging and promoting intense academic research activities of the group of institutions and also work with industries to forge alliance to offer consultancy and conduct training programs in advanced areas.

- The college has a Institute Innovation Council under the ministry of MHRD's innovation cell wherein separate faculty coordinators facilitate and coordinate (i) Innovation activity (ii) IPR activity (iii) Start-up activity (iv) National Innovation and Start-up Policy. The council organizes events/activities that promote the development of the existing ecosystem. Under the IIC Idea Pitching contests, Ignite Problem Identification sessions, prototype competitions, participation in Smart India hackathons are conducted/motivated. The IPR activity center creates awareness and facilitates patenting.
- The Innovation/Project lab set up in-house helps convert ideas to prototype/working models and showcase them in different exhibitions/competitions. Different projects/competitions organized include all years and departments from 1st year to final year and hence transfer of knowledge from seniors to their junior students is facilitated.

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: 15

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
3	3	3	3	3

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: 3.29

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

Response: 23

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

Response: 7

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document

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

Response: 1.11

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
33	28	15	12	10

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

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: 0.93

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
26	20	18	11	7

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 extension activities in the neighbourhood community is carried out primarily through Eco-tech club and NSS unit.

The Eco-Tech club of the college conducts various activities that help create awareness on sustainable development and environmental issues in the students. Some of the events organized by the club include

(1)Effective methods to reduce use of plastic in daily life

(2)Wealth out of waste

(3)Sapling plantation

(4)E-waste collection and disposal.

(5)Awareness on emerging technologies in control of pollution.

The activities have sensitized the students to environmental issues.

The NSS unit of GVPCEW takes the responsibility of community-based activities such as **adopting a village** to help villagers aware of health, hygiene, Plastic waste reduction management, digital literacy, higher education, injurious effects of drinking alcohol and girl child education etc. Faculty and students are encouraged to participate in collaboration with other organizations in carrying out social outreach programs. The institution takes up **several co-curricular and extension programs** to promote social responsibility among the students. Subject experts are invited to educate the students on various topics such as "Citizenship Amendment Act", "Constitution and its Fundamental Rights".Group Discussion competition was conducted on the topic "RIGHT TO PRIVACY – A Boon or a Bane?"

As Yoga can bring peace to our body, mind, and soul and add more value to our life, the importance of yoga in life is abundant. Yoga teaches us the knowledge of how to lead a healthy living. It improves our concentration, creativity and sharpens our memory. To maintain a positive physical and mental health, practicing yoga is must. In order to focus more on this aspect, GVPCEW conducts yoga classes to students daily all throughout the year. A fit India marathon was organized at R.K.Beach on world health day to create awareness among the general public. NSS unit organized "**Daan Utsav**", "**Service camp at Paderu**- an agency area of Visakhapatnam" and "**Visit to orphanage**" to distribute books, cloths, household items,

rugs & basic needs to the orphanage. A NSS special camp was also organized in sambuvanipalem village for one week to know the problems of the society, conduct medical camp and assist them in coordinating with the government agenesis for getting benefits.

National Energy Conservation Day was celebrated in the college to create awareness on saving Energy for the Future generations. Energy conservation Week was also organized to inculcate the habit of conserving energy by educating them on the topic. A **Blood Donation** Camp organized in the college brought out the level of responsibility that the students take up for the society.

In these days, a typical layman should possess the skills needed to live, learn, and work in a society where communication and access to information is through digital technologies like Internet platforms, social media, and mobile devices. The NSS unit took up this responsibility too, and piloted a **Digital Literacy Campaign** to bring awareness among the common people in and around the college.

The extension activities carried out help in the holistic development of 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: 2

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
1	1	0	0	0

File Description	Document
Number of awards for extension activities in last 5 year	[View Document](#)
e-copy of the award letters	[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: 30

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
4	16	7	1	2

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: 16.48

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
120	650	201	78	55

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: 694

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
153	139	240	81	81

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: 10

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
1	3	1	0	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](#)

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:

Facilities for Teaching Learning Process:

Gayatri Vidya Parishad College of Engineering for women is established in the year 2008 and is committed to provide all the necessary infrastructure to suit the demands of the courses and the stake-holders.

- The institution is situated in 8.25 acres with a good compound wall and electrical fencing and a built-up area of around 10,000 sqm consisting of classrooms, laboratories, workshops, seminar halls, staff rooms, library, administrative block, canteen, hostels,Playground and sports room.
- The institution is situated in a noise free and pollution free environment and the classrooms are well ventilated for circulation of fresh air.
- There is a 125 KVA generator, four uninterrupted power supply units (UPS) of which two are 30 KVS, one 40 KV and another 10 KV to cater to the needs of the staff and students. In addition, a hybrid power plant of 50 KVA is operating in the campus.
- The central Library, Digital Library, BEE`S ERP Education software, Learning Management System and add to the teacher-learning process.
- Internet bandwidth of 80Mbps from two service providers caters to the needs of the college Recently, a 500Mbps line from another service provider has been added in association with an industry initiative.
- The college has Aadhaar enabled Biometric devices for all the students and an exclusive biometric attendance system for faculty.

Class rooms:

- The institution has an adequate number of classrooms, tutorial rooms and this is verified each year by the "Fact Finding Committee" of the affiliating university-JNTUK. The details are further uploaded to AICTE every year.
- The classrooms have LCD projectors and access to internet connection.
- Each dept of the college has an e-classroom with facilities like TVS, digital platform etc
- The institute has a mini-auditorium and seminar hall to conduct conferences/Workshops for students and staff. The halls are equipped with a public address system, projectors, internet and white boards.

Laboratories/Workshops:

- The institution has well equipped laboratories with state-of-the art equipment and machinery. The necessary hardware, licensed/open-source software are available in each department to carry out the curricular co-curricular and research activities. All the computer labs are provided with uninterruptible power supply (UPS).

- The English Language laboratory in addition to catering to the 1st year students helps the students to prepare for GRE/TOEFL tests.
- An innovations/IOT laboratory is available to help the students put their creative ideas into use.
- An industry sponsored mini lab (under CSR initiative) is available to the students for developing their technical and soft skills.

Computing Facilities:

The Institute has sufficient Computing facilities. There are a total of 480 computers available to the students. A total of more than 500 computers are available in the college.

Licensed software's MSDN Alliance MATLAB, Mentor graphics, Xilinx, Oracle etc are available to the students and the faculty.

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:

Sports plays an important role in shaping the individual's personality, Health and fitness which is necessary in today's era. GVPCEW makes sincere efforts to provide the best infrastructural facilities for sports and games.

- The institute has a well-qualified and experienced Lady Asst. Physical Education Director to guide and prepare the students in physical activities, sports and games.
- Separate indoor game facility and spacious ground is laid out for tenni-coit, baskets ball, ball badminton, throwball, shuttle badminton and volley ball. Travel grants/facilities is provided to the students for the participation in different sports and games activities conducted by the university and other institutions.

The outdoor facilities are listed below:

S-No:	Name of the court	Number of the courts	Measurement of the court
1.	Tenni - Coit	1	40ft * 18ft
2.	Basket ball	1	28mt * 15mt

3.	Ball Badminton	1	24mt * 12mt
4.	Throw ball	2	60ft * 40ft
5.	Shuttle Badminton	2	44ft * 20ft
6.	Volley ball	2	18mt * 09mt

- The indoor games room is a spacious room which consists of an indoor gymnasium, carrom boards and table tennis tables.
- The multi gym facility is provided with modern facilities and ample space for doing exercises.
- A dedicated Yoga instructor is available in the institute who conducts yoga training classes to the students daily one hour in the morning and yoga/meditation classes for the faculty/staff every Saturday in the evening.
- The cultural literary activities club promotes the cultural activities in the institute. In addition, a music club with a faculty coordinator who is a music teacher conducts training classes in music once in a week.
- The cultural activities club conducts activities regularly ensuring the participation of the students in traditional and modern cultural activities. Transport faculty is provided by the institute for those who participate in the intercollegiate, inter university cultural events.

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: 27

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: 19.43

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
35.57	101.49	126.65	33.63	38.14

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](#)

4.2 Library as a Learning Resource

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

Response:

The central library of our institute is automated with an integrated education ERP software. It was purchased in 2009 as campus soft which is a browser based available in Local Area Network. In 2018 it was converted to an internet-based software available 24×7. The Integrated software provides features such as Bar Code printing, OPAC, cataloguing services, security, registration and reports.

- The setup and security feature deals with the provision for creating and maintaining records of books available in the library. The catalogue accessioning feature allows the library personnel to enter the catalogue and accession details of both books and other materials.
- The Online Public Access Catalogue (OPAC) can be accessed by any member/student of the institute to search books, periodicals, e-resources or information related to library.

The main features of the central library are listed below:

S.No.	Particulars	Status
a.	Type of library General/ Digital	General & Digital Library
b.	No of Systems	15 Multimedia systems
c.	ILMS software	Bees ERP Campus software version 2.0(fully automated) in 2009

d.	Total Number of Titles of Books	Around 4331
e.	Total Number of Volumes of Books	Around 20625
f.	No. of Titles of Technical / Professional Journals	Around 54
g.	e-journal subscription details if any	e-journals – IEEE all Societies periodicals PACKAGE, DELNET
h.	Internet Bandwidth & Connectivity	40 mbps & 10 mbps NMEICT line
i.	Carpet Area	420 Sq Mtrs
j.	Seating Capacity of Library	150
k.	Reprographic/Photost at facility	Available
l.	Working Hours of library	7.00 am to 7.00 pm
m.	Any Innovation/specialty - give details	DSPACE & Web OPAC

Library Services

- Text Books & Reference Service: Text books, Reference books, Dictionaries, Hand books, Manuals, Directories, Technical Journals & Magazines etc. are made available.
- Lending Service: B. Tech Students are given 3 books and M. Tech Students are given 4 books for duration of 15 days. Books are issued to users from 10.00 AM to 5.00 PM.
- Printing Service: Printing facility is provided for students and faculty.
- CEP Service (Competitive Exams Preparation): The Library has good collection of materials for GATE, GRE, TOEFL, and GMAT, CAT, Civil Services and other Competitive Examination.
- OPAC (Online Public Access Catalogue): Online catalogue search facility is available to the users. Students can access library catalogue through internet and also through mobiles. http://gvpwonline.in/Login.aspx
- CD ROMs/DVDs: A collection of 1500 CDs/DVDs are available in the library on various subjects.
- Magazines and Newspapers: Magazines and Newspapers (National and Regional) and Employment news are made available in the library.
- Newspaper Clippings: Important information in Newspapers are Xeroxed, clipped and displayed in the Library Notice board.
- Inter Library Loan: The students can get some rare books from other libraries through DELNET inter library loan facility.
- Digital library service: The library is well equipped with a digital library of 15 computers to access

Online Journals, Books, Video lessons like:

IEEE – All Society Periodical Package (227 Online Journals)

https://www.ieeexplore.ieee.org

DELNET (Developing Library Network, New Delhi) www.delnet.in

E-Books, E-Journals, E-Thesis/Dissertations & Patents

NPTEL Video Lessons (National Programmer on Technology Enhanced Learning) http://nptel.ac.in/

Learning Management System www.gvpcew.net/moodle

Dspace - Project-based Learning. To guide the students, a list of final year Projects and their reports are available on LAN at http://172.16.5.78:8080/dspace

Member of National Digital Library http://ndl.iitkgp.ac.in

Learning resources available: E-Books, E-Thesis, Audio Lectures, Video Lectures etc.

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: 13.06

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
12.30	9.63	10.90	17.57	14.89

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: 30.06

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

Response: 459

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:

Deployment and up gradation of IT infrastructure is done through an administration team. Requirements related to the procurement and maintenance of the IT infrastructure of the college is carried out by this team. Regular updating of the computers or other software is done on academic year basis as per the requirements. The institute provides a total of more than 500 computers that are accessible to the students and staff for the academic and administration purposes.

Name of the Internet provider	BSNL, Vizag Broadcasting Company Pvt Ltd& NMEICT
Available band width	40+40+10 MBPS+500 Mbps provided by industry
Wi-Fi availability	Available throughout the campus including hostels
Internet access in labs, classrooms, library and offices of all Departments	Internet access is available in all laboratories, library and office of all departments. Wi-Fi facility is available throughout the campus including class rooms, however restricted during class hours and exam hours.
Security arrangements	Quick Heal Endpoint Security Business Edition for online security Bees' server for student data monitoring

Configuration:

Computers with processors Intel Core I5, Core I3 and Core 2Duo are available with 8GB, 4GB and 2GB RAMS and 1 TB, 500GB and 160 GB Hard disks.

Internet and Wi-Fi Provision:

The College has an installed internet bandwidth capacity of 70 Mbps dedicated OFC leased lines and 10Mbps NMICET leased line separately for Digital library. There are total 24 access points and 7 routers for providing WIFI facility in the campus.

Software:

Licensed versions of software include MATLAB, Mentor Graphics, Microsoft MSDN Academic Alliance, Microsoft Visual Studio Pro, Microsoft Open Value Subscription Education Oracle Institutional License and IBM Rational Rose with perpetual license are available along with Quick Heal Endpoint Security Business Edition Antivirus as a part of software.

The administration team provides continuous and uninterrupted services by coordinating and extending hardware & networking support to all the academic departments, examination branch, administration office, Central library, hostels, and other central facilities.

The following e-services are provided to the students:

- Conducting JNTUK online exams
- Placement exams
- Learning management system – Self learning
- Dspace – Project based learning.
- Remote access to e-resources
- Parents access to student attendance and progress record.

The institute is having the CC Cameras surveillance equipment for campus safety and management. Multifunction printers are available in all departments wherever it is necessary.

The activities that are carried out in deploying and upgrading of IT infrastructure and associated facilities are replacement and repair of computers, purchase and license up-gradation of software, upgrading the provision of access points for wi-Fi throughout the campus and updating the Internet services from time to time to cater to the needs of both the academic and research activities in the Campus.

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: 120.08

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
281.33	517.91	412.29	375.27	488.68

File Description	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 has the structured system for maintaining and utilizing the facilities available. It has the maintenance team that maintains the physical and academic support facilities. The various responsibilities of the team are housekeeping activities, maintenance of Garden, pest control, entire campus snag work etc. the respective team member inspects the campus in regular intervals and report to the maintenance manager regarding his observations on electrical, plumbing, and housekeeping related issues/complaints. The hostel facilities are monitored regularly by the warden under the supervision of the manager. The college provides transportation facilities for its faculties and students. A transport committee is constituted to address and rectify any transport related issues. The security of the institute is taken care by in house security guards with the help of an external private agency in two shifts round the clock.

CLASSROOM AND SPORTS FACILITY MAINTENANCE:

The neatness and maintenance of the classrooms are monitored daily by a dedicated team. Regular inspection, maintenance of the furniture's and classroom equipment such as boards, projectors and projector screen are done on a regular basis. The sports facilities are maintained by physical education department. A stock register and an issue register are maintained to ensure the proper handling of the sports items. Regular maintenance of the play area is conducted under the supervision of Physical education director and faculty sports coordinator.

IT MAINTENANCE:

IT administration team comprises of system administrator and lab programmers is functioning in the

campus for resolving the issues like hard ware trouble shooting, software installation, Maintaining Biometric devices and network related issues. The complaints are addressed and resolved immediately. Requirements related to the procurement and maintenance of the IT infrastructure of the college is carried out by this team. Regular updating of the computers or other software is done on academic year basis as per the requirements.

LIBRARY MAINTENANCE:

All the books are given accession number. The books are segregated subject wise and shelved in the coded racks accordingly. BEES ERP software has been upgraded annually. The Maintenance of materials in the library is carried out regularly as per the requirement of the library. The maintenance is carried out in the following areas:

1. Digital Library
2. Preservation of Books /Journals
3. Reprographic facilities
4. ERP software
5. Pest Control.

LABORATORY MAINTENANCE:

All the laboratories are spacious and well equipped. Do's and Don'ts/safety precautions are displayed in each laboratory. All necessary software like Microsoft office, browser, lab software, antivirus software are installed and maintained. IT administration team, of GVPCEW maintains the computers. Periodical maintenance is carried out in laboratories. In house servicing of the lab instruments are done every six months by lab technician under supervision of lab in charges. Major repairs are outsourced by following the procedure of the institute on call-to-call basis. Consumables will be purchased every semester. First aid box, fire extinguisher and hand gloves are provided wherever it is necessary.

ELECTRICAL MAINTENANCE OF SOLAR POWER PLANT, WIND POWER PLANT, GENERATOR, UPS AND BATTERIES:

The electrical maintenance team also monitors electrical equipment such as Generator, UPS, Batteries and as well as the functioning of solar and wind power plants. Optimum working condition of all properties/ equipment on the campus is ensured through annual maintenance contracts (AMC) and on a call-to-call basis.

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: 48.53

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
729	657	633	655	646

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: 0.21

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
1	6	4	2	1

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: 12.42

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
223	143	139	184	164

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](#)

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: 45.02

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
189	122	133	172	156

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: 28.23

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

Response: 94

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: 33.6

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
34	21	06	12	08

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
59	25	57	116	145

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: 15

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
3	2	3	3	4

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]

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:

Students' participation is encouraged in GVPCEW in various activities. The students' representation and engagement in various committees come under various heads. The college has around 10 clubs/cells in which students actively participate in various academic and extracurricular activities. The opinion and suggestions are considered to plan/initiate and act based on the student's perception. The leadership skills and communication skills are brought out through their active participation in these committees. The major decision making bodies which have the presence of students are

1. Institute level Quality Assurance Committee
2. Industry- Institute partnership cell
3. Entrepreneurship Development cell
4. Institute Innovation Council

The presence of students in the above committees help in giving shape to the strategic plans for the development of the Institute. The opinions of the students matter a lot in preparing the short term goals of the Institute.

The students constitute a major part of the teaching learning process. The committees that and this process through a major presence of students include

1. Class committees
2. Professional body chapters
3. Departmental student Associations.

The class committee consists of class representatives and academically strong students who give a feedback and guide the teaching-learning process. The professional body chapters like IEEE, CSI and IETE help to cover the circular gaps and also help the administration in achieving the laid down standards. The Departmental Students Associations help in technical events such as guest lectures, Hackathons, workshops for the benefit of students.

The committee that have a strong student presence and ensure the wellness of students, develop talent in students include

1. Anti ragging committee
2. Hostel committee
3. Literature and cultural committee
4. Music club
5. NSS club
6. Ecotech club
7. Sports committee

The name, fame and outreach are brought about through these clubs. The coverage of these clubs is wide and covers the society at large. Their views/ opinions help frame the activities and have a wider reach in society.

File Description	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: 13.4

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
6	11	14	19	17

File Description	Document
Upload any additional information	[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:

The major objective of the Alumni Association is to foster, maintain and enhance the relationship between the Institution and Alumni. The feedback of the Alumni is important in shaping the cocurricular and placement activities of the college thereby helping in the overall development of the college.

At present the Institutional Alumni Association is engaging the Alumni in the conduct of guest lectures, Technical talks and interaction with juniors. This is achieved through the Alumni cell and the Training and the Placement cell the interactions provide a clear picture to the junior students of what is expected out of them in various Industries. The Alumni further guide the juniors in preparation for competitive exams and higher education in Indian and Foreign Universities. A majority of the Alumni are in contact with the Students, Faculty, Administration through the online Professional platform notably LinkedIn. Their advices/ suggestions/ opinions are useful in shaping the co circular and placement activities. Some of the activities carried out by the Alumni include

1. A significant number of our Alumni are in Foreign countries particularly the USA and they guide the juniors in applying and registering for higher education in US Universities.
2. Few of our Alumni are entrepreneurs and they help the juniors in placement/ Entrepreneurship activities. The notable entrepreneurs is Shalini Narella of Easystepin.
3. Some of our Alumni are in lead positions in top MNCs of the country notably TCS, Infosys, Wipro etc. They guide the junior students in placement training / interviews.

The Alumni get togethers are places where the Institute gets first-hand information and support form the Alumni. These are to be conducted regularly but the college has conducted them only occasionally. However, it is happy to note that some Alumni (in small groups) visit the college and give beneficial suggestions/ opinions. At present the Association is not seeking any monetary assistance from the Alumni as it has not been registered as a society with the Government.

The Institute plans to conduct one Alumni meet every year to ensure the wider participation of Alumni in different activities of college for the benefit of students.

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: E. <1 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 emerge as an acclaimed centre for learning that provides value based technical education for the holistic development of students.

The lasting Vision of the Institute is to cultivate a scientific mind in young women, and promote value-based technical education that fosters creativity, innovation and leadership.

Mission

- **Undertake activities that provide value-based knowledge in Science, Engineering & Technology**
- **Provide opportunities for learning through industry-institute interaction on the state-of-the-art technologies**
- **Create collaborative environment for research, innovation and entrepreneurship to flourish**
- **Promote activities that bring in a sense of social responsibilities**

The mission of the college is to undertake the activities that enhance value-based knowledge and educate students in various streams of Engineering & Technology, and other areas of scholarship that will best serve the nation by adapting to the changing needs of the industry.

Governance

Gayatri Vidya Parishad College of Engineering for Women was established in 2008 under Gayatri Vidya Parishad society with an objective to empower women through quality education in the field of Engineering & Technology.

The Governance of the institution is strictly in tune with the guidelines laid down by the statutory bodies. The Governing body of the college advises the Principal and the Heads of the Departments towards the achievement of Vision and Mission of the institute by helping them to frame guidelines for all the activities. In accordance with the directions given by the Governing body, the Institute designs a perspective plan of action with the management helping the administration meet the requirement of infrastructure and other related issues.

Under the Chairmanship of the Principal, the Institute's Quality Assurance Cell (IQAC) meets regularly to assess the quality deliverance of education in the institute and to achieve the course and program outcomes. The IQAC helps in the analysis of the strengths, weaknesses, opportunities and challenges of all the departments. The college academic committee together with the college IQAC takes up the work of

ensuring that all the functionalities of the college are up to the given standards of the affiliating university. All this work is forwarded to the Department Academic Committees. The Department Academic Committees (DAC) ascertains the plan, design and implementation of all the activities in the respective departments under the headship of HODs for every academic year with respect to the academic calendar issued by the affiliating university. The DAC Committee helps in identification of curricular gaps and proposes conduct of Seminars, Guest lectures and Value added courses to fill in these gaps. The IQAC together with DAC monitors the quality of teaching learning process. A report on the progress of these activities carried out in the academic year is in turn submitted to the Governing body of the college. This entire work is also reported to the governing body of Gayatri Vidya Parishad every year in the month of September for good governance.

The administration together with the various committees ensure that the different curricular, co-curricular and extra-curricular activities are reflective of and in tune with the Vision and Mission of the Institution. The administration ensures that the strategic plans are executed seamlessly and encourages participative management by involving various stake-holders at different levels of decision making.

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:

Gayatri Vidya Parishad College of Engineering for Women totally believes in decentralization and participative management in every aspect of institute functioning. Students, faculty and staff are encouraged to participate in the management processes of the Institute. Faculty members contribute in administrative roles and manage responsibilities in different roles like Heads of the Departments, Faculty In charges, etc. They also participate through the various committees such as Anti-Ragging, Examination Committee, R & D Committee, Library Committee etc. Faculty members have active involvement in driving change through the Mission programs of the Institute where the college goals are identified and future roadmaps are designed and executed.

Institute has a culture of recognizing each and every staff member and their opinions. The decentralization and participative management is practiced in the entire academic and administrative affairs of the institute's performance and accountability. The principal takes the decision in the interest of college. All the decisions are taken in the meeting of the top level and senior faculty members and the task is distributed to appropriate levels.

As a part of decentralization of administration, various committees are formed to monitor the regular needs and activities of the students. Majority of the academic activities are being handled by faculty members in the department guided by Head of the Department. The effective leadership is visible in various institutional practices.

A Case study showing decentralization and participative management is outlined below.

*Case Study***: A Three day National Workshop on 'Cryptology and Cyber Security'**

A Three day National Workshop on 'Cryptology and Cyber Security' was organized jointly by the departments CSE and ECE of Gayatri Vidya Parishad College of Engineering for Women under the sponsorship of Cryptology Research Society of India (CSRI), Kolkata. This workshop brought together the Mathematicians, Engineers and Researchers to discuss, deduce and recommend useful ideas in the presence of experts and resource persons for finding a solution to the task of strengthening Cyber Security for the benefit of the public to protect from cyber crimes and threats. The budding women engineers of the college were exposed to the latest trends in the field of Cyber Security that had added value to their technical skills.

The different stages of decentralization and participative management in the conduct of workshop can be seen in the following committees:

1. Organizing Committee

2. Advisory Committee

3. Reception Committee

4. Aesthetics Committee

5. Distribution Committee

The organizing committee in consultation with the Advisory committee finalized the resource persons, finalized the brochures, invitation letters and tentatively schedules the lectures. Towards this each subgroup of the committee had taken up the specific task mentioned above. The Participative and collective leadership was seen in the final outcome of the schedule.The reception committee acted in a decentralized manner and assigned volunteers for each specific task of invitation and reception to coordinate effectively.Each day of the workshop was heavily loaded with catering to the participants, resource persons, and arrangements for talks, food and aesthetics. The decentralized and participative roles of the different committee members were evident in the success of the workshop.The coordination of the members of the organizing committee brings out the effective leadership in the process of decentralization and participative management.

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 Institution has a well-established framework which leads students' progression towards technical and social excellence. Prospective plans are made in line with the vision and mission of the institute. Implementation of strategic plans aligning academic and non-academic aspects improves the quality of education. The students are engaged in various activities that contribute to the development of the individual and welfare of the society as well.

Activity: NSS Special Camp-2019

National Service Scheme (NSS) of the college is a community service oriented unit consisting of 120 student volunteers. This program was initiated in 2019 and then onwards it has been the college's pride. The aim of the NSS program is to prepare the students as a team and to serve the society. The governance and smooth functioning of the NSS unit is facilitated by the Principal, Vice-Principal, Heads of the Departments, NSS Program Officer and Student members from all the departments.

Strategy

With an aim to foster a sense of social awareness and a sense of responsibility, a proposal to conduct a special camp was sent to the University by the NSS programme officer.

Approvals

The NSS Cell of University gave an approval to organize a 7-day Special Camp during 10th-16th December, 2019. The College authorities identified a remote village - Shambuvanipalem, located near PM palem, Visakhapatnam. As the village comes under forest reserve area, necessary permission was sought from the Divisional Forest Officer for the NSS team to proceed through the forest reserve area to the village by college bus. The officer responded favourably and permitted the team to travel through the forest area.

Collaboration

The Principal of GVPCEW sent an email to the Dean of GVP Institute of Health Care and Medical Technology, requesting to depute one General Medicine Doctor for the NSS Special camp. The Dean accepted the appeal and the collaboration was successful.

Budgeting Provision

The internal estimate for the Special Camp was prepared. The estimates including travel, miscellaneous expenses and work expenditure was prepared. The estimate was Rs.50,000. The financial support of both the college and NSS was promised by JNTUK. The college provided transportation, an advance grant of RS.25,000/- and JNTUK released a grant of Rs.22,500/-. The fund utilization certificate was submitted to the college and JNTUK. The activities planned and the budgeting provision made is uploaded as a separate document.

Action Plan

After receiving the approval to conduct NSS Special Camp from concerned authorities, the NSS Program Officer sent the information to all the Heads of the Departments requested permission for students' participation. The NSS Program Officer along with the Student volunteers designed a strategic plan of action to organize various activities all through the seven days of the camp.

Execution

The execution plan is uploaded as a separate document.

Outcome

As a part of this Special camp, the team conducted several activities which were attended by 35 student volunteers and supervised by the NSS program officer. All the activities were planned effectively and deployed successfully. The NSS Activity enabled the students to exhibit their leadership, decision making and problem-solving skills. This program helped the students to value Social Responsibility.

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 Governing Body (G.B) of the Educational Society Gayatri Vidya Parishad (GVP) which runs the college is the highest policy making body of the institute. The Governing body of the institute that consists of members of the Governing body of the GVP, representative from affiliating University, representative from Andhra Pradesh State Government is the next highest policy making body of the College.

The members of the Board of Management and Governing body define the vision, mission and long-term goals for the institute. They set forth the principles, directives, policies and strategies for effective functioning of the college. They strategize policies of teaching and administrative staff of the college:

- **Appointment of personnel**
- **Service rules**
- **Supervision**
- **Retention**
- **Evaluation**
- **Compensation**

The motto of the Institution is to provide excellent education for every student. The administrative setup of

the college through the Secretary, Principal and Vice-Principal implement the policies and procedures laid down by the Governing body. Decentralization and participative management is visible in every aspect of administration. The Principal looks into the operational procedures of the Finance Committee, Academic Committee, R&D, the Principal's Office and Non-Teaching Staff.

The Vice-Principal plays a vital role of coordinating and implementing the policies of the top management and encouraging participative management through IQAC, Heads of Departments and mandatory committees. Decentralization of work is made by delegating various committees, cells and clubs such as:

- **Academic Committee**
- **Finance Committee**
- **Research & Development**
- **Department Advisory Committee**
- **Mandatory Committees**
- **Time table Committee**
- **Class Committees**
- **Student Associations**
- **Co-curricular & Extra Curricular clubs**
- **Publication Committee**
- **Institute's Innovation Council**
- **Institute Industry Partnership Cell**
- **Entrepreneurship Development Cell**
- **Examination Section**
- **Placement Office**
- **Library Committee, Hostel office & Sports Committee**

The flow of operation and reporting are carried out as illustrated in the Organogram. Regular meetings are conducted to ensure that the functioning of the bodies is effective and the well laid down procedures are compiled with.

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

6.3 Faculty Empowerment Strategies

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

Response:

Well-being of the staff is important for effective functioning of the Institute. The institution has effective welfare measures for all the staff members. The institution conducts quality improvement programs for faculty and training programs for non-teaching staff periodically. In order to improve the qualification, update their knowledge/skill sets faculty members are given academic leave or special leave to attend FDPS, Workshops/Seminars/Conferences/Industrial training programs organized by premier institutions. Registration fee/ travel grant is paid by the institute to the faculty to attend to these programs. Faculty is encouraged to register for Ph.D programs and special leave is given to the faculty to attend to the course work by the affiliating university or premier institution. The faculty members who complete their Ph.D are given three compounded increments. Also the Faculty of BS&H who qualify in UGC NET/SLET are given Academic Grade pay. In addition the following are the welfare Measures that exist for teaching and non-teaching staff of GVPCEW.

- **EPF**
- **Gratuity**
- **Accidental Group Insurance**
- **Medical & Maternity Leave**
- **ESI for Non-Teaching Staff**
- **Incentives for Research Publications**
- **Career Growth Incentives**
- **Promotions**
- **Other Facilities**

Employee's Provident fund

The institution has the mandatory provision of EPF and contributes the eligible amount to the respective EPF account.

Gratuity

Employees are eligible for gratuity benefits as per the provisions of "Payment of Gratuity Act 1972" and the rules framed thereunder.

Accidental group insurance

Group accident insurance is offered to employees to protect them against the medical expenses incurred due to injury or death resulting from an accident at the workplace. All the eligible employees can avail the Group Personal Accident Insurance Policy.

Medical & Maternity Leave

Gayatri Vidya Parishad has an associated medical college. The faculty & non-teaching staff of the college are given concession in medical tests, concession in in-patient treatment and treated without consultation fee. The facility is extended to their immediate family members.

A woman employee of the institution, who has completed at least one year of continuous and satisfactory service, after the completion of the probation period, is eligible for Maternity Leave (ML) for a maximum of 90 days with half pay and allowances. Final sanction of the maternity leave is granted on the basis of a medical certificate issued by competent authority.

ESI for Non-teaching staff

All non-teaching staff members benefit from the scheme.

Incentives for Research Publications/Career Growth

Cost of the registration fee and/or travel grant when participating for the National or International Conferences/STTP/Workshops is given to the faculty members. Publications or presentations in the reputed platform are highly recognized through awards or prizes. Skill development courses are organized for non-teaching staff to enhance their skills in the work environment.

Other Facilities

All the teaching and non-teaching staff members are provided with college bus transport at free of cost. College encourages the employees to be fit and healthy by facilitating them with gym, games, sports and recreation.

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: 14.82

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
3	13	4	23	22

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: 6.8

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
7	15	4	6	2

File Description	Document
Upload any additional information	[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: 43.55

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
24	51	49	51	17

File Description	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:

An effective performance management system plays an important role in promoting the objectives of the institution in an efficient manner. A good performance management system works towards the improvement of the overall performance of teaching and non-teaching staff and is crucial to achieve the mission and vision of the institution.

The Institute is following the Performance Based Appraisal System (PBAS) by incorporating the guidelines of AICTE.

In this scheme, the performances are classified into three major categories.

1. Teaching, Learning and Evaluation related activities.
2. Co-Curricular, Extension and Professional Development related activities.
3. Research Publications and Academic Contributions.

The following weightages are assigned to these categories: 100:75:300. These are called Academic Performance Indices (API). At the end of each academic year, the data pertaining to the above categories are collected from each faculty member in the prescribed format.

Based on the data collected, API scores are calculated for each of the three categories. The Principal in consultation with senior Professors fix certain minimum API scores to be achieved by the faculty members in the three categories. These scores are used for the award of career advancements to faculty members and for corrective action.

Further, at the end of each semester, feedback forms are issued to the students for each of the courses attended by them. The feedback forms in the form of questionnaire collect information about the teacher and different aspects pertaining to the teaching process. An action taken report will be prepared as per the feedback received from the students.

A team consisting of the Head of the Department and Senior Professor in the department goes through the feedback forms collected from the students and will prepare the consolidate report. They suggest suitable measures to the concerned faculty and help them to improve the teaching-learning process in different means.

For non-teaching staff, there will be feedback collected from technical staff of each department; non-teaching staff of office and based on the feedback appraisals are given. The work output, personal traits and special attributes are the major parameters considered for non-teaching staff. The opinions of the

section heads are also considered.

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:

Yes, the institute conducts internal and external financial audits regularly. The internal audit is conducted half-yearly and the external audit is conducted at the end of every financial year.

- The financial planning is planned well in advance for the institute and efficient budgeting is done by involving the various Academic departments and administrative sections of the Institution
- The financial planning and review is done through the internal finance committee that comprises of the Secretary (Management representative), Principal, Financial officers and Accounts In-charge as members
- The Finance committee meets half-yearly, reviews the processes (income & expenditure data) and suggests further course of action
- The internal audit which is carried out by the Internal Finance committee raises objections (if any) after verifying & checking the records of the Accounts section. Queries will be reported to the section and compliance to be compiled within a month's time. The necessary guidance/suggestions for improvement of the maintenance of accounts will be provided so that there will not be any discrepancies in the accounts.
- The external audit is conducted through a chartered accountant at the end of every financial year

The audited statements are made public by placing them on the institutional website and sent to the statutory and regulatory bodies.

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: 1.44

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
0.616	0.406	0.406	0.006	0.006

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	[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 Institute has a well defined mechanism to mobilize and utilize the funds judiciously. The main source of income being the tuition fee, miscellaneous fee and consultancy/grants. The sponsoring society- Gayatri Vidya Parishad also obtains voluntary contribution towards corpus fund for construction and development activities. Therefore, Finance has never been a constraint for any developmental activity.

The utilization of funds is carried out in a well defined manner. Based on the long term and short term goals of the Institution, the governing body prepares an action plan for the development activity.

The planned utilization of fund is as given below:

- For salary, arrears & welfare measures
- For mandatory deposits, annual fee of statutory bodies/University, etc.
- For creation and maintenance of academic infrastructure
- For purchasing of equipments and software
- For research and development

For every academic year, the budget is prepared well in advance after taking into consideration the requirement of every department. Each department prepares its own budget based on the its requirement such as equipments, software, computers, printers etc., for student and faculty activities, research & development in the departments as well as consumables required for next academic session. Principal puts up the budget in Governing Body meeting and after discussion and necessary corrections or modifications, Governing Body recommends the budget for approval. The budget is reviewed by the management and approved after necessary changes.

For an unplanned purchase or any other activity, the institute makes a provision for advance additional fund. The Principal and the Head of Departments discuss the requirement and decide the priorities while allotting financial resources for various purposes and also ensure optimum use of available financial

resources. Periodically, the Governing Body monitors the annual expenditure, scrutinizes the budget and provides feedback related to efficient use of financial resources. The Institute has standardized procedure for sanctioning of funds for various activities and also for settlement of advance and passing of bills for payment. As per the guidelines of the Management and Principal, the sanctioned budget and actual expenditure is regularly monitored and maintained.

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:

Gayatri Vidya Parishad College of Engineering for Women is committed in its endeavor to improve the quality of the teaching-learning process. The institute has a strategic plan to promote and develop measure for constituting quality enhancement practices to improve the overall performance of the college.

The Institute established a quality monitoring cell to foster the activities that are necessary to increase the quality standard in the teaching-learning process. A formal Internal Quality Assurance Cell was setup as per the guidelines only in 2019. However the quality monitoring cell setup in early 2015 has been taking steps towards realizing the goals of quality enhancement and sustenance.

The IQAC has been instrumental in planning, reviewing, following up and setting up quality indicators and reviewing the procedures periodically for achieving and maintain quality.

Some of the strategies adopted by the Quality monitoring cell/IQAC for institutionally quality include:

(1) Development of Learning Management System

(2) Usage of Management Information System

(3) Attendance monitoring and feedback through SMS

(4) Examination reforms-Blooms Taxonomy

(5) Orientation towards MOOCs

(6) Alignment with NBA&NAAC quality initiative

(7) Project Based Learning

(8) Conduct of co-curricular & extra-curricular activities through committees/cells

(9) Software development towards institutional needs.

Of the different practices initiated and implemented, we describe two practices that have been institutionalized.

Best practices – 1

Development of Learning Management System(LMS)

In order to provide continuous and comprehensive learning to the students and to encourage innovations in the teaching-learning process, the institute has designed a Learning Management System (LMS).The LMS of the college is available at

www.gvpcew.net/moodle(http://www.gvpcew.net/moodle).

The following materials have been made available in LMS by all the faculty of the department.

1. Unit wise lecture notes: The intended outcome is to enable the students to enhance their performance in exams and attain the desired Course Outcomes.

2. Important video links, power point presentations, animations.

3. Assignments that help understand the concepts clearly.

4. Quizzes that help in recapitulation of concepts.

5. University questions corresponding to a course that helps students to self-assess their examination preparatory skills. A LMS coordinator is nominated by HOD to ensure that all the materials made available periodically and the quality is ensured through the departmental committee.

Best practices – 2

MOOCs/ Internships

The college encourages the students and teachers to enroll in various certificate programs which are available in their specified streams of engineering. The college has collaborated as a local chapter with NPTEL-SWAYAM which is an initiative of Indian Ministry of Human Resource Development. Students and teachers actively pursue numerous courses which are available on NPTEL-SWAYAM platform. Also they are directed to participate in various training programmes offered by government of India, corporate sector organizations and industry. These programs help the students to acquire knowledge skills and application beyond the curriculum.

In order to improve the technical skills and practical exposure of the students, college encourages the students to complete internships and projects. The internship coordinator facilitates the students regarding internships. The institute has MoUs with various industries which helps the students to take up advanced areas of topics.

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:

The quality monitoring cell/IQAC is responsible for initiating, coordinating and monitoring the academic activities to ensure the quality of the teaching-learning process.

The IQAC together with the Academic Committee meet on as regular basis to review the different practices, structures and methodologies of operation employed to ensure the quality of the teaching-learning process. Based on the review, new initiatives, new systems and invigorated efforts are put in place for continuous improvement.

The IQAC reviews and monitors the academic activities such as:

(i) Planning and implementation of academic calendar as per the directions of JNTUK

(ii) Curriculum delivery plans and its follow up for adherence to University standards

(iii) Conduct and evaluation of all internal assessment activities

(iv) Effectiveness of the delivery process through feedback collected through class committee meetings, feedbacks and passing on the information to the concerned through HODs

(v) Conducing Academic Audit department wise

1) Academic audit:

The academic audit is carried out by the Quality Monitoring Cell/IQAC in coordination with the Academic committee. The committee verifies the:

(i) Annual curricular plans and implementation

(ii) Activity registers of students

(iii) Teaching learning process that includes registers, assessment procedures, lab records, lab functioning

etc.

(iv) Co-curricular activities conducted to fill the gaps

(v) Faculty publications, profiles and course files

(vi) Maintenance and utilization of resources marked

The institution encourages the teachers and students to undertake self-motivated improvement activities with the goal to continuous improvement in their performance. Academic audit identifies the gaps in the teaching learning process. To monitor the process of continuous improvement suggested by the academic audit, the Department monitoring committee is formed to prescribe the mechanism and action plan for continuous improvement of teaching-learning process to achieve targets. The IQAC reviews the attainment and issues further recommendations.

2) Project Based Learning /term projects

Project based learning approach is a technique adopted by a faculty in the college to emphasize the method of teaching through activity in which the students participate actively and bring about efficient learning experiences. It is a method in which the student is actively involved in participating mentally and physically.

Students are encouraged to implement term projects. The design, development and implementation of the subject ensure that the students become more aware of design and team processes. Faculties are actively involved in directing and guiding the student's analysis of the information. The college encourages the faculty to attend training programs to upgrade their knowledge to inculcate project based learning among the students.

The PBL in the college ensures:

1. The creative aspect of experience

2. Varied experiences to the students to facilitate the acquisition of knowledge, experience, skills and values

3. Building of the student's self-confidence and develops understanding through work in his/her group

4. A student who lacks in verbal expression can make up through use of ideas in the activity

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

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 being a Women's college, the measure initiated by the college focuses on "Women empowerment". The gender equality and sensitization in curricular and co-curricular activities promotes activities like human dignity and social responsibility. The measures initiated include Gender-sensitization programs, Health & skill development programs to boost self-confidence, competence and self-respect and facilities to provide (a) Safety and Security (b) Counseling (c) Special facilities.

The college organizes various activities and programs for Women empowerment and Gender equality on a regular basis. The Guest lectures, workshops are aimed at making them discover their latent talents. The skill development programmers are conducted throughout the year to empower women students by developing competence and self-confidence.

(a) Sensitization Programmes:

1. Awareness / Motivation / Sensitization programmes are organized by inviting women professionals of repute. The faculty and students participate in these events. The women professionals include people from Banking sector, Police department, Professional training academies, Medical departments.

2. The internal complaints committee regularly meets the class representatives of all sections periodically sensitizes them and takes the opinions from faculty, students involved in class committee meeting and plans for the programs.

(b) Safety, Security and Well-being:

1. The overall programs related to Gender equality and women empowerment are planned by the college in coordination with the Internal Complaints Committee(ICC). The electrical fencing on the compound wall, closed circuit cameras in the class rooms and verandahs and Gates ensure the safety and security of all the students and faculty.

2. The Grievance redressed cell, Anti-Ragging committee work in Tandem with the ICC to ensure the safety and security of the girl students.

3. The students are motivated and trained towards self-confidence to safeguard themselves in case of emergency. The self-defense programs are conducted through the lady Asst. Physical Director.

4. The well being of all the students is ensured through the mentor-mentee system and by conducting regular interaction on Health and hygiene, Mediation and Yoga classes. The Yoga classes are conducted daily in the college Yoga trainer. In addition Meditation / Personality development classes are conducted every Saturday.

5. Sufficient number of common rooms are available in the college with specially designed toilets for disabled people.

6. The community service and social responsibility is encouraged through the NSS unit of the college. The environmental awareness is brought about in the college through the Eco-Tech club. These help the women students / faculty to work in groups, understand the gender issues and create self-confidence.

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: B. 3 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:

Solid Waste Management:

The food waste collected at GVPCEW Hostels and messes such as Rice, Dal and other curries etc. are sent to the biogas plant in GVPCE campus. In the near future, we will explore the possibilities to establish biogas plant from the Hostel food waste that will be converted into renewable energy such as cooking gas and natural gas used for automobiles.

Food waste generated can be biodegraded by composting, and reused to fertilize soil. Composting is the aerobic process completed by microorganisms in which the bacteria break down the food waste into simpler organic feeding scraps to worms which produce fertilized soil as a byproduct. This vermicomposting can be used for institute horticulture to maintain greenery in the institute.

Liquid waste Management:

Gayatri Vidya Parishad College of Engineering for Women is well aware of the importance of water and has a dedicated water management cell. GVPCEW has a Reverse Osmosis (RO) plant for purification of water with the capacity of 1000 litres/hr and this RO plant generates 20,000 litres of reject water approximately in a day. The purified water is used for drinking purpose for the staff and students. Whereas a half quantity of the rejected water (waste water) is used for floor washes and the remaining for greenery. This is how the waste water in the campus is being used.

E-waste management:

E-waste or electronic waste is created when an electronic product is discarded after the end of its useful life. E-waste mainly includes obsolete electronic devices such as computers, servers, monitors, TVs & display video devices, printers, scanners, copiers, fax machines besides refrigerators, air conditioners, e-waste also covers recording devices such as DVDs, CDs, floppies, tapes, printing cartridges, electronic components such as chips, processors, mother boards, printed circuit boards etc.

The institute has identified certified vendors for E-waste disposal. The electronic equipment that needs to be disposed is collected at a central store. Then the experts are called to check whether they are in working condition or not and are tested for few months and then handed over to the certified vendors (GreenWaves Environmental Solutions). We got a certificate from GreenWaves Environmental Solutions ensuring that the E-waste will be handled in an environment friendly manner, in accordance with the guidelines set by the Central Pollution Control Board.

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: B. 3 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: B. 3 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
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: B. 3 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:

GVP College of Engineering for Women has been striving for excellence in all the aspects of administration and other initiatives to provide an inclusive environment in the campus. The institution creates an ideological tolerance and harmony towards cultural, regional, linguistic, communal, socioeconomic and other diversities by organizing workshops, seminars and lectures.

In order to maintain cultural diversity, the college takes initiatives to celebrate important festivals and events such as Ugadi, Guru Nanak Jayanti, Dr. B.R. Ambedkar birthday, International Yoga Day,

Women's Day and Cultural Day.

Ugadi is celebrated to mark the importance of the first Day of the Chaitra, which is observed as the New Year for Andhra Pradesh, Telangana, and Karnataka. Vijayadasami is also celebrated in the Electrical Lab to invoke the blessings of Goddesses Durga and Saraswathi. In order to promote and enhance physical and mental health, and for spiritual practice, International Yoga Day is celebrated on 21st June. In the campus, a week before Ugadi, Cultural Day is celebrated with great enthusiasm. With same enthusiasm the birthdays of Guru Nanak and Dr. B.R. Ambedkar and Women's Day were celebrated.

Apart from these initiatives, the institution focusses on regional issues too. In order to fulfill this, students are encouraged to do service through NGOs by collecting money and old clothes to donate to old age homes, blind schools and orphanages.

In view of the importance of learning Sanskrit, a 3,500 years old language, which is also known as vedic language, the institution encourages students and faculty to accomplish the competence of the language. The college is an approved center for learning Sanskrit as a non-formal language by Rastriya Sanskrit Sansthan, established by MHRD, GOVT of India in 2016. Every year, about thirty students get certified for the course.

Communal tolerance and harmony are encouraged by the institution without any discrimination. The college has taken the initiative of establishing SC/ST grievances redressal cell to solve their academic and administrative problems.

The NSS Unit of the college is actively catering its services. The students are motivated and encouraged to serve the society in all the possible aspects such as, tree plantation, conducting health camps, awareness programmes, distribution of old clothes, Swachh Bharat, Daan Utsav, observation of World Heart Day, Seminar on Citizenship Amendment Act, and collecting donations to the poor and needy.

The resources are utilized in a very wise and economical way. The college has focused more on the utilization of renewable resources. We have wind power and solar power grids. The power grid supports maximum of the college' power needs and use mostly LED bulbs.

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

India is a land of 'Unity in Diversity''. The differences in physical attributes such as skin colour, caste,

creed, cultural and religious practices etc. are looked upon in India as varieties that enrich the society and the nation as a whole.

The different languages, subcultures, religions and ethnic diversities are governed and guided by the constitution irrespective of caste, religion, race or sex. The college sensitizes the students and staff of the institution to the constitutional obligation about values, rights, duties and responsibilities as a citizen of the country.

The elements of right attitude, right conduct and respect for the individuals are inculcated in the students of the college. The institute celebrates the Independence day and Republic day with great fervour and the students takes active part in the celebrations. On the Republic day, different socially relevant projects developed by the students are exhibited to the students and prominent guests invited on the day to judge and present their views on the projects displayed. The institute invites eminent persons during festivals of national importance to inspire the staff and students thereby emphasizing the duties and responsibilities as citizens of the country.

The college establishes polices that reflect core values. The code of conduct is disseminated to the students and staff of the college and everyone is required to follow the conduct rules. The college has a NSS unit where in the NSS volunteers take an active part in creating awareness among the students towards societal cause. The volunteers carryout activities such as ''Swatch Bharat campaign'', ''Daan Utsav'', '' help the aged'', ''donate to the poor'' etc. that widely benefit the society. The Eco-tech club of the college conducts programmes on saving environment, ethics and social responsibilities.

The institution conducts programs that helps sensitize staff and students to the constitutional obligations:

Awareness programs on duties and responsibilities as citizens of the country.

- Constitution day
- Independence day
- Republic day
- Support Armed forces flag day
- Swach Bharath Pledge
- Rastra Gaan
- Road Safety Pledge
- Fuel Conservation Pledge
- World heart day

Mock Women Parliament

To bring awareness on various burning issues of the country, government policies and need for responsible politicians, participation in Mock Women Parliament is encouraged.

Awareness on Code of Conduct

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

GVPCEW organizes all the important days, events and festivals. All these days are divided into 3 categories based on their importance.

- National Importance – in this category we celebrate days that symbolize nationhood by the date of independence, of becoming a republic and days like Martyrs day, constitution day etc are done.
- Cultural importance- all the activities related to festivals, games, and cultural are celebrated.
- Academic importance- in this all the various clubs which are initiated by each department are celebrated on various days like Engineers day, Srinivas Ramanujam birthday, Teachers day etc .

National Importance

Every year GVPCEW celebrates Independence Day on 15th August and Republic Day on 26th January by hoisting the flag in the college campus. After the flag hoisting is done the chief guest and other invitees

give speeches.

The constitution day also known as Samvidhan Divas , which is also known as National Law day is done on 26th Nov of every year where all the students take the pledge.(regarding to political principles ,rights and duties as citizens of the country)

Martyrs Day is celebrated every year on 30th Jan to pay homage to the victims who fought for the freedom, glory, welfare and progress of India.

Cultural Importance

The day such as National schools day , fresher's day, festivals, women's day , teachers day, children's day Inaugural days of clubs like music are been celebrated under cultural importance.

Every year the National Sports day is celebrated on 29th Aug. We celebrate this on the birth anniversary of Hockey legend Major Dhyan Chand, who is regarded as Nations greatest hockey player of all time. Our students participate in various games like Badminton, Volley boll , Throw boll , Coco etc.

Festivals like Sankranthi, Ugadi, Holi, Diwali, are celebrated in the college campus. Rangoli competition is conducted to the students and they come traditional dress on these days.

The organization organizes Women's day 8th Mar. to honor and respect the women staff in the campus. Some special events are conducted to empower women.

Academic importance

Special days such as birth days scientist and great Indian personalities are celebrated on their academic importance. There are several clubs which represent each department of GVPCEW such as ECE-ECLAT-A ; EEE-TESLA ; CSE-COSENGERS ; IT-SPIKE ; where various academic activities are being done to motivate students.

Engineer's day is celebrated on the occasion of Sri Moksha Gundam Visveswaraya's Birth anniversary on 15th Sep of every year where various Clubs of GVPCEW conduct paper presentations, Quiz and technical games to the students department wise

Math's club conducts various events like puzzle solving , Quiz, Power point presentations, Guest lectures on remembrance of Sri Srinivasa Ramanujam birth day on 22nd Dec of every year

As a part of Environmental week ECO-TECH club conducts activities such as postures presentation, Craft exhibition on re use of waste materials to create awareness of green and clean environment to the students

As a part of Energy conservation day on 20th Dec every year Students industrial visit is been conducted.

File Description	Document
Link for any other relevant information	View Document
Link for Geotagged photographs of some of the events	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:

There are several best practices instituted in the college. Of them we are submitting two best practices for assessment.

Best Practice – 1:

Title: GVPCEW – Bees Education Management Software

Objectives:

1. To ensure availability of real time data to stakeholders.
2. To monitor the attendance and academic progress of students efficiently by the administration, faculty and parents.
3. To ensure quicker management by administration with less paper work and resource management.
4. To different components of the software such as Administrative module, Library module, Examination module and Academic module helps different sections of the college process the data in an efficient manner.

The Context:

Educational institutions deal with a multitude of tasks, data and information. The tasks include admission, issue of study/bonafide certificates, fee collection, academic performance and attendance monitoring. The electronic data management helps in providing quick and relevant information to the stake holders for good decision making.

The Practice:

The GVPCEW – Bees Information system is provided by Bees software solutions. It was initially installed in 2009 and it was first an intranet hand system known as Bees Campus Soft. The application could be accessed from anywhere in the institution. After a successful run of the system from 2009 to 2017, the Bees software solutions released an education ERP software which was taken by the college and tested for 1 year along with Bees Campus Soft. Bees Educational ERP is a cloud based solution ensuring server is

maintained in the college securely ensuring the safety and security of the data.

Though there were no hiccups in the Bees Campus Soft, many problems were faced in the implementation of educational ERP. Most of the bugs could be resolved over a period of time. The testing period of 2018 helped in resolving most of the bugs. The bugs affected only the information retrieval. The quality of data is monitored and tested regularly by the staff of the college.

Evidence of Success:

The dependence of the institute on the software for its various tasks is evidence of its success. Some of the tasks which indicate its success are outlined below:

1. Availability of information to the Administration, instantly during interactions with parent/students. This helps understand the academic credentials, and regularity of student for continuous monitoring.
2. The availability of correct information to the right person at the right time is a major advantage.
3. The satisfaction of the stake holders regarding the availability of information in evidence of success.

Problems Encountered and Resources Required:

The safety and security of data is a prime concern. In addition to data entry, data quality and monitoring of data flow is a challenge which is handled efficiently by the college. As the information is open to the public at large, correctness of information and security of data is of prime concern. Towards this several resources are required.

1. Server
2. Server Anti-Virus
3. Secure Socket Layer certification every year for security
4. Data entry operators with quality monitoring
5. Cloud storage
6. Annual Maintenance

Best Practice -2 :

Title of Practice: Learning Management System

The moodle LMS is the open learning management system that has been customized in house for handling the teaching learning process of the institution. The application delivers and manages all types of content, including videos and different types of documents.

Objectives of the Practice:

1. Enhancing the teaching – learning process

2. Creating, delivering, tracking and reporting

3. Deliver content and tasks in a range of formats for different learning types and delivery

4. Availability of academic information/material continuously online to the students

5. Colloborative, participative and self - learning methodologies are implemented.

Instructor – led course management with faculty for competence management accessibility, reversibility and adaptability.

The context:

The availability of lecture schedule of individual faculty, material presented in class, homework, assignment, self - assessment quizzes, and question bank is a necessity for any educational institution to enhance the teaching – learning process. The advantage of moodle based LMS is that it is customizable to suit the needs/ tasks of individual faculty.

Teaching is an art and every teacher adopts a strategy for efficient delivery. Adaptability and customization are two features that enable good integration of the digital platform with the teaching – learning process. Self – assessment and trackability aid the process.

The Practice:

The LMS is used by the students and faculty throughout the semesters as it helps in maintaining a continuous relationship between the students and faculty with regard to the teaching learning process.

Evidence of Success:

The various advantages of LMS given below evince the success of moodle software.

1. Through LMS, the students have the flexibility to learn the contents in the pace and style that works best for them.

2. Class room teaching combined with LMS is able to improve the knowledge of the students and thereby producing better outcomes.

3. Regular assignments and Quizzes that are being conducted through moodle help the students face the examinations with confidence.

Problems Encountered and Resources Required:

(i) The material can also be uploaded innovatively by introducing live videos related to the real project models created by the students.

The main resources include cloud storage and good internet band width. Students who have a problem with internet bandwidth in home find difficulty.

File Description	Document
Link for Best practices in the Institutional web site	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:

The vision of the institute is to provide value-based education for holistic development of students. Here the basic aim is to help them acquire honorable living standards and contribute to the welfare of the society at large.

The institute has a motto of KNOWLEDGE -SERVICE -PROVIDE(K-S-P) in order to fulfill its role of social responsibility inspire the students to follow the same in their lives.

KNOWLEDGE in K-S-P

In order to stand on their own and contribute to the society, the students should acquire the required knowledge. Towards this the college conducts skill/value added courses in the college.

- Courses on Ethics, Professional Values, Indian Constitution
- Courses on self-learning through institutional collaborations with NPTEL-SWAYAM, COURSERA, OPEN P-TEVH,ICT ACADEMY, GREAT LEARNING
- Skill oriented courses in association with APSSDC, Industrial Training (BSNL, Candela Technologies, etc.)
- COURSES ON PRODUCING WEALTH OUT OF WASTE utilizing the volunteers of ECO-TECH CLUB
- CONDUCT COMPUTER TRAINING CLASSES IN SCHOOLS FOR THE UNDER PRIVILIGED THROUGH STUDENT VOLUNTEERS OF THE COLLEGE

SERVICE/SERVE in K-S-P

The SERVICE or SERVE motto in K-S-P is inculcated in the students and staff through NSS unit and Eco-Tech Club of the college. The various activities organized by the clubs help the society and environment giving a better world for the people to live in.

Some of the activities carried out are: -

1. Conduct of Blood Donation Camps
2. Conduct of Medical Camps/Special Camps in villages
3. Conduct tree plantation programs/participate in plantation programs conducted by the government
4. Participate in 'Swachh Bharat' campaign and participate/conduct programs such as Voter enrollment, Ban Plastic, Digital Literacy

5. PROVIDE WATER TO THE BIRDS ,CONDUCT BIODIVERSITY CAMPAIGN
6. DISTRIBUTION OF FRUITS/FOOD TO HOSPITAL INMATES
7. MAKE "WEALTH OUT OF WASTE" CAMPAIGN
8. CONDUCT AWARNESS ON PATENTS/HUMAN VALUES/ETHICS
9. PARTICIPATE IN BEACH CLEANING, CLEANING STREETS

PROVIDE in K-S-P

1. The college provides free transport to the people in surrounding villages for attending to some government programs.
2. The college provides free transport to health camps organized by voluntary organizations.
3. The college has a 'Student Sahakara Scheme' wherein the poor students earn while they learn.
4. The NSS students collect donations in the form of money, clothes, books and distribute them to the needy. For this they conduct "Daan Utsav", visit Old Age Homes,Homes for the Orphans and give donations/clothes.
5. The students/college sponsors books to the tribals in Paderu Village, Shanti Ashram.
6. Steps are initiated to make college, students make more to provide under K-S-P.

"The name and fame of the college, public opinion about discipline and conduct of students and successful career of students one testimonies for the distinctness of the institute".

File Description	Document
Link for appropriate web in the Institutional website	[View Document]()

5. CONCLUSION

Additional Information :

The college is committed to women empowerment with value based education. The institute has put in the best practices over the years to develop into an acclaimed centre of learning. Some of the credentials in recent years are :

Recently the ECE dept. has bagged a consultancy project from Electronics and Radar Development Establishment, DRDO, Bangalore.

A start-up e-RS retrofitting services floated by faculty of EEE Dept. has been selected by AP innovation society for funding under APS-Tide 2.0

A team of first year students from the new branch CSE(AIML) won a cash prize of Rs One Lakh in Accenture AI Hackathon 2021.

Under the CSR initiative DXC technolgies provided 16 Computers and Peripheral to College.

Concluding Remarks :

The institute is guided by the words of our Former President Dr.Abdul Kalam " Excellence happens not by accident. It is a process". The college is evolving and embravcing the best practices to ensure that the capacities of inquiry, creativity, entrepreneurial and moral attitude are built in the students. A steady progress towards realizing the vision of the institute through the planned mission is evident in the profile of the college.